



**MANAV RACHNA  
UNIVERSITY**

Declared as State Private University vide Haryana Act 26 of 2014

# **MANAV RACHNA UNIVERSITY**

(Established vide Haryana Act 26 of 2014)

## **MINUTES OF TWELFTH MEETING OF THE BOARD OF MANAGEMENT**

**Dated: 20.08.2019**

**MINUTES OF THE TWELFTH MEETING OF THE BOARD OF MANAGEMENT OF THE UNIVERSITY HELD ON TUESDAY, DATED 20.08.2019 AT 11.00 A.M IN THE BOARD ROOM, A BLOCK, MANAV RACHNA CAMPUS, FARIDABAD.**

Twelfth meeting of the Board of Management of Manav Rachna University was held on Tuesday, Dated 20.08.2019 at 11.00 A.M in the A Block, Board Room, Manav Rachna Campus, Faridabad to consider various administrative and academic matters. The following were present:

1. Dr. Amit Bhalla, Vice President, MREI
2. Prof. I.K. Bhat, Vice Chancellor; MRU in Chair
3. Dr. M.M. Kathuria, Trustee, UET
4. Prof. Sanjay Srivastava, Vice Chancellor, MRIIRS
5. Dr, Shalini Tuli, Associate Professor (Nominee of Govt. of Haryana),
6. Dr. Joshe P. Verghese, Professor Emeritus, Dept. of law
7. Sh. Rajiv Kapoor, ED; Group HR, Head, Uno Minda
8. Sh. Navdeep Chawla, Chairman / MD, Psychotropic India Ltd
9. Prof. Sangeeta Banga, Dean, Academic;
10. Prof. Pradeep K. Varshney, Dean, Research
11. Dr. Babita Parashar, Dean, Education
12. Prof. Versha Vahini, HOD, Law
13. Ms. Hanu Bhardwaj, HoD, CSE
14. Dr. Kameshwar Singh, Registrar/ Member Secretary

Dr. N.C. Wadhwa, DG-MREI (Special Invitee) and Prof. (Dr) Parul Jhalaria, Dean, Faculty of Management & Humanities could not attend the meeting due to their other professional engagements; they were granted leave of absence.

The following are the minutes of the meeting:

The meeting commenced with singing the National Anthem, followed by a brief the Registrar on agenda to be deliberated in the meeting. The Chairman was requested by the Registrar to open the meeting with his brief remarks.

### **12.1 Opening remarks by the Chairman**

Chairman, at the outset, greeted the members present in the meeting and apprised the Board of the following information.

- (i) That Times Engineering Survey- 2019 has ranked Manav Rachna University among the Top 3 emerging Engineering Institutes of the country. It also has ranked it the second most promising and emerging institute for Placement and Research Capabilities.



- (ii) that Admission process has been over for engineering discipline. For other programs under offer for the session 2019-20 it is still in progress. 571 admissions have been made in all the programs till August 19, 2019 which is higher than the last year admissions.
- (iii) that Orientation programme was conducted from July 8<sup>th</sup> to July 26<sup>th</sup> and congratulated the Dr. Shruti Vaishisht Dean, SW and her team members involved in organizing the orientation program for successfully conducting the same.
- (iv) that the University has entered into an MOU with Altair & Design Tech in the area of Design Analysis and Simulation. Under this MoU 11 faculty members of MREI have undergone phase 1 of training on these software's. The workstation on which it is to be run are still awaited.
- (v) that the launch of Center of Excellence on Alternate Dispute Resolution which was to be held in the first week of August is now postponed and may take place in last week of August / early September.
- (vi) that 2019 Batch placement is in progress, up till now, 72 Students from engineering streams got placed in different companies with an average package of 3.5 Lakh p.a. Placement process for Batch 2020 also has been initiated, 5 students have got placed with IBM for Security Analyst Intern position at the Package of 4.5 Lp.a.
- (vii) that a Centre of Innovation has been started under the supervision of Dean, Research and Dean, Students Welfare to coordinate innovation activities. The Centre shall work 24X7X365.
- (viii) that 19 Faculty Members have joined Manav Rachna family in the various departments this academic year
- (ix) that an interaction was held with all the students of the departments to motivate and encourage them to decide their goals for the future.
- (x) While informing about the achievements of MRU, Chairman informed the Board that MRU, as local chapter of SWAYAM-NPTEL got 92nd rank In India and 2nd Rank in Haryana with 17 National Toppers, 19 Gold, 52 Silver, 111 Elite and 156 participants who have successfully completed certificate courses and the University has been awarded with rating of 'A' based on performance for January-April 2019 quarter.
- (xi) that the University has received Gold Medal and appreciation certificate from Indian Red Cross Society for its valuable contribution in blood donation drive during 2018-19.



- (xii) three days FDP were organized in the month of June and July for all the Deans, Directors, HoDs and faculty members of MRU and some faculty members from MRIIRS on Teaching Pedagogy.
- (xiii) that the Department of Chemistry received grant of Rs. 1Lakh from DST (Science and Engineering Research Board) for the project "Theoretical and experimental assessment in developing the advanced thermoelectric materials and Peltier cooler module".

With these remarks he concluded and requested Registrar to take up the Agenda meant for deliberations. The Registrar took up the Agenda items one by one for deliberation.

### **12.2 Confirmation of the Minutes of the Eleventh Meeting of the Board of Management held on 07.05.2019.**

Minutes of the 11<sup>th</sup> Meeting of the Board of Management was placed before the Hon'ble Members with the request to confirm the same.

**Decision: Board confirmed the Minutes of the 11<sup>th</sup> Meeting of Board of Management.**

### **12.3 Action Taken Report on the Decisions taken in the Eleventh Meeting of the Board of Management.**

Action Taken Report on the decisions, taken in the Eleventh Meeting of the Board was submitted for perusal of the Hon'ble members.

**Decision: Board noted the action taken report. With regard to item no. 6 "Rewording of the Vision of the University" it was decided to take up it as an exclusive agenda in a special meeting to be called in the month of September.**

### **12.4 Matter for information**

Board was apprised on the following points for information and requested to take the information on record.

- (i) Matters considered by the Academic Council in its 11th Meeting held on 23.07.2019:
- (ii) Faculty joined / resigned
- (iii) Establishment of Centre of excellence by M/s Altair Engineering
- (iv) Reporting of ongoing admissions for the session 2019-20
- (v) Submission of application for starting 4 years ITEP – (Pre Primary to Primary) Program under Faculty of Education.
- (vi) Fee Refund Rule for the Academic Session 2020-21 onwards.
- (vii) Students / Faculty Achievements

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(viii) Road Map for next 3 Months

**Decision: Board took the above information on record.**

### 12.5 Matter for Ratification

Board was apprised with the decision taken by the University after the last meeting and requested to ratify the same.

- (i) Appointment of Faculty and Staff
- (ii) Shifting of Dept. of Humanities under Faculty of Education and renaming of the Faculties.
- (iii) Rounding off 0.5 & above in aggregate marks provided for eligibility prescribed for admission in the UG, PG Programs for the Academic Session 2019-20.
- (iv) Revision in the eligibility criterion for B. Tech., CSE, BBA (F&A) and B.Tech. M.E. with specialization in Smart Manufacturing & Automation
- (v) Revision of Fee Structure and Scholarship Policy for LLM Programs
- (vi) Approval of amount of seed money sanctioned by the Vice Chancellor to the faculty members for their Research Projects for the Year 2019-20

BOM considered the amount sanctioned for seed money to the faculty members to carry out their Research Projects by the Vice Chancellor and the proposal for the seed money of Rs. 23.21 Lakhs for 18 projects to 17 faculties and resolved to ratify the same. A copy of approved projects are annexed as Annexure-I

**Decision: Board ratified the action taken by the University on all the six points and ratified seed money sanctioned by the Vice Chancellor is annexed as Annexure -I.**

### 12.6 Approval of Intake of the UG/PG Programs to be offered during the Academic Session 2020-21.

Hon'ble Members of the Board was apprised that the following UG/.PG Programs will be offered with Intake as mentioned against the name of the programs as mentioned hereunder. The Academic Council in its 11<sup>th</sup> Meeting has already agreed for the same.

**TABLE INDICATING PROGRAMMES AND INTAKE**

FACULTY OF ENGINEERING		
S. No.	Name of the Program	Intake
<b>Bachelor of Technology</b>		
1	B. Tech. CSE & Specializations	240
2	B. Tech. Electronics & Computers Engineering	30

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3	B. Tech. in Mech. Eng. and Specializations	60
<b>Bachelor of Technology (Lateral Entry)</b>		
<b>S. No.</b>	<b>Name of the Program</b>	<b>Intake</b>
6	B. Tech. CSE & Specializations	12*
7	B. Tech. ME	3*
8	B. Tech. Electronics & Computer Engineering	2*
<b>Master of Technology</b>		
<b>S. No.</b>	<b>Name of the Program</b>	<b>Intake</b>
9	M. Tech. Computer Engineering	6
10	M. Tech. Electronics & Communication Engineering with specialization	6
11	M. Tech. Mechanical Engineering	6
<b>Faculty of Management &amp; Commerce</b>		
<b>S. No.</b>	<b>Name of the Program</b>	<b>Intake</b>
<b>Bachelor In Business Administration</b>		
1	BBA with specialization	90
<b>Faculty of Applied Science</b>		
<b>S. No.</b>	<b>Name of the Program</b>	<b>Intake</b>
1	B.Sc. (Hons.) Chemistry	15
2	B.Sc. (Hons.) Mathematics	15
3	B.Sc. (Hons.) Physics	15
<b>Master of Science</b>		
<b>S. No.</b>	<b>Name of the Program</b>	<b>Intake</b>
1	M.Sc. Chemistry	10
2	M.Sc. Mathematics	10
3	M.Sc. Physics	10
<b>Faculty of Education and Humanities</b>		
<b>S. No.</b>	<b>Name of Programme</b>	<b>Intake</b>
1	B.Ed.	50
2	*B.Ed. Special Education	10
3	B.A./B.Sc. B.Ed. Integrated	50
<b>Faculty of Law</b>		
<b>S.No.</b>	<b>Name Of Programme</b>	<b>Intake</b>
1	B.A. LLB (Hons.)	60
2	BBA LLB (Hons.)	60

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3	B.Com. LLB (Hons.)	60
4	LL.M (One year)	20

**Decision: Board approved the Intake of UG/PG Programs to be offered during the Academic Session 2020-21.**

### **12.7 Approval of MRU (Consultancy) Rules, 2019.**

MRU (Consultancy) Rule, 2019, which shall repeal the earlier Consultancy Rule, 2016 was placed before the Academic Council for consideration and the same was recommended by the Council for approval of the Board of Management. A copy of the MRU (Consultancy) Rules, 2019 was placed before the Board for consideration. Board considered the proposed MRU (Consultancy) Rules, 2019 & approved the same.

**Decision: Board approved the MRU (Consultancy) Rules, 2019.**

### **12.8 Approval of Scholarship Policy for 2020 -21**

It was submitted before the Board that University is offering Merit Scholarship, Merit Cum Mean Scholarship and Merit scholarship to branch toppers. The University also provides one time concession of Rs. 5000/- at the time of admission in any of the programs to the candidates passing out from any of the Manav Rachna Educational Institutions and wards or Faculty or Staff Member of any of the MREI since, its inception. It is felt that amount of concession offered by the University is quite less, hence, needs to be revised.

The University shall continue to follow the above policy during the Academic session 2020-21 with modifications which are detailed hereunder:

#### **(A) MERIT SCHOLARSHIPS:**

##### **UG Programmes other than B.Ed. Programme**

90.00% & above	100% Tuition Fee Waiver.
85.00% & above but below 90.00%	50% Tuition Fee Waiver
80.00% & above but below 85.00%	25% Tuition Fee Waiver

##### **PG Programmes other than LLM Programme**

80.00% & above	100% Tuition Fee Waiver
75.00% & above but below 80.00%	50% Tuition Fee Waiver
70.00% & above but below 75.00%	25% Tuition Fee Waiver

##### **LLM Programme**

75% and above	100% Tuition Fee Waiver
70% and above but below 75%	50% Tuition Fee Waiver

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65% and above but below 70%

25 % Tuition Fee Waiver

### **B.Ed. Programme :**

The criteria would be similar to “PG Programmes other than LLM”.

#### **Note:**

*The Candidates in all PG Programmes shall be associated with faculty members for proper grooming, mentorship and providing assistance to the Faculty as and when required.*

### **(B) MERIT CUM MEANS SCHOLARSHIP**

MRU offers Scholarship based on merit cum means, to the candidates admitted against the 25% seats earmarked for Haryana Domiciled Candidates. This Scholarship shall be applicable to all the Undergraduate and Post Graduate Programs. The candidates whose parents annual income from all sources does not exceed Rs. 2.80 Lac shall be eligible for this scholarship. Under the scholarship, the students are given fee waiver limited to the Tuition fee as per the following scale. Candidates are required to pay other fee as applicable to the programme concerned.

- One fifth of the twenty five percent shall be granted full tuition fee concession,
- Two fifth of the twenty five percent shall be granted fifty percent fee concession,
- The balance two fifth of the twenty five percent shall be granted twenty five percent fee concession.

**Conditions for Continuation of Scholarship in Subsequent Years shall be governed as per the policy notified in the Admission Brochure.**

#### **NOTE:**

- For purpose of Scholarship/tuition fee waiver, the marks will not be rounded off to the next higher figure and calculation of percentage of marks shall be made on the basis of eligibility in five subjects in the qualifying examination. The marks secured in additional subject (beyond five compulsory subjects), if any, shall not be taken into account for the calculation purpose.
- In addition, suitable free ship shall be provided to high achievers in the field of sports, persons suffering with Thalassaemia Major, sons / daughters of Army Personnel who have been killed in war/ terrorist attack, physically handicapped students etc. on case to case basis.

### **(C) FREESHIP/ SCHOLARSHIP POLICY FOR MANAV RACHNA EMPLOYEES & ALUMNI**





- **Wards/Siblings of MREI Employee:** 25% Tuition fee Waiver (limiting upto maximum of Rs. 25,000/-) shall be admissible to First Child. If the first child is already getting scholarship on the basis of Merit, the benefit of 25% tuition fee waiver would be passed to Second Child, if applicable.

If first child is already allowed the benefit of 25% tuition fee waiver for being the ward/Sibling of MREI Employee, the Second Child shall be allowed benefit of 15% Tuition Fee Waiver.

- **Siblings of Manav Rachna Student in the same HEI:** 10 % Tuition fee Waiver (limiting upto maximum of Rs.10,000/-) shall be allowed to the Sibling (brother/sister) of Student enrolled in any of the Programme at HEI.
- **Alumni of Manav Rachna Educational Institution:** An alumnus of any of the Manav Rachna Educational Institutions (Schools or HEI), shall be eligible for 10% Tuition fee waiver or maximum of Rs. 10000/-(whichever is less) while seeking admission to any programs offered by the MRU.

**Note:**

- **Proof of relationship is to be provided wherever applicable**
- **For continuity, University Scholarship policy would be applicable in the subsequent years.**

**(D) MERIT SCHOLARSHIP TO SEMESTER/BRANCH TOPPERS**

Board was apprised that the University shall continue with the above scholarship during the Academic Year 2020-21 and the criteria for awarding the scholarship shall be the same as was approved by the Board for the 2019-20.

**Decision: Board approved the criteria for award of Merit Scholarship, Merit Cum Means Scholarship and Merit scholarship to branch toppers to be given from the Academic Session 2020-21.**

**12.9 Consideration of relaxation in eligibility criteria to SC, ST & OBC Candidates**

It was submitted that the University has provided 5% relaxation to SC & ST candidates and 3% relaxation to OBC Candidates in eligibility criteria in all the UG, PG and Doctoral Program in analogy to the Govt. norms during the Academic Year 2019-20. It is proposed to continue this relaxation in eligibility criteria to SC, ST & OBC Candidates during the admission for 2020-21. It is also proposed that a relaxation 3% in eligibility criteria may also be provided to Persons with Physical Disabilities (PWD) in the year 2020-21.



Further, relaxation upto maximum of 5% in eligibility criteria shall also be considered for the candidates belonging to Single Girl Child, Sports, ward of Defense Personnel /Para Military Forces on case to case basis.

**Decision: Board approved the relaxation in eligibility criteria to SC, ST, OBC, PWD Candidates and candidates belonging to Single Girl Child, Sports, ward of Defense Personnel /Para Military Forces on case to case basis.**

#### **12.10 Consideration of HR Policy of the University concerning faculty & staff.**

Draft HR Policy of the University was tabled in the Meeting before the Members for kind consideration and approval. Board was apprised that proposal has been examined by the Central HR in consultation with sister University and some observation has been received on it which is decided to be further discussed and finalized in a joint meeting of the officers of the both the Universities. Therefore, It was decided to defer the matter.

**Decision: Board deferred the proposal.**

#### **12.11 Reporting of the Action taken by the University on feedbacks received from the various stakeholders i.e. Faculties of the Departments, Alumni and Employers during the Academic Year 2018-19.**

The Board was informed that University regularly collected feedback of different stakeholders viz. students, faculty members, alumni, employers and the departments which aimed to monitor, review and improve the overall quality of teaching learning process. The feedbacks conducted on curriculum design to strengthen and improve the academic system at University from various stakeholders were analyzed for taking an appropriate action on a regular basis for syllabus revisions, restructuring of the curriculum and quality improvement during the year 2018-19.

The feedback report was also hosted on the institutional website to maintain transparency. The Board was requested to take the Feedback Report and Action Taken thereon for records. It was widely applauded by the Members and accepted.

**Decision : Board of Management accepted Report regarding Action Taken on Feedback. Accepted Action Taken Report with feedback for the academic Year 2018-19 is annexed as Annexure No.-II.**

#### **12.12 Any other matter with the permission of Chair.**

##### **1. Revision of Fee for some of the UG Programs to be offered in 2020-21.**

It was submitted that in the year 2020, the MRU will be eligible for NAAC & NBA accreditations, which are now mandatory for every institution. It has also to participate in NIRF Ranking, this requires lab and other infrastructure of the University to be upgraded and strengthened further to satisfy the requirement of accreditation. Looking at the

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balance sheet of the University which has substantial short fall of fund, rise in expenses with the cost inflation and the cost of additional expenditure on laboratory equipments and buildings, it was felt necessary to appraise whether there is a scope of reducing the deficit during the financial year 2020-21. Accordingly, an exercise to review the fee structure which is the prime source of generating revenue was carried out at the level of the University. Therefore, resolved to consider increase in fee only in respect of B.Tech CSE Program and rationalize the fee for BBA Programs with different specialization. The following fee structure for the B.Tech. CSE and BBA programs is proposed:

S. No	Name of the Program	Current fee	Proposed fee
1	B.Tech, CSE	Rs.1,81,500/-	Rs. 1,91,500/-
2	BBA (HCM)	Rs. 1,61,000/-	Rs. 1,64,500/-
3	BBA (F&A)	Rs. 1,76,000/-	
4	BBA (EFB)	Rs. 1,76,000/-	
5	BBA (OM & SCM)	Rs. 1,61,000/-	

**Decision: Board approved the revision in the fee for above programs.**

## 2. Appointment of One Personal Assistant for Dean-SW & One office staff.

Board was apprised that one Personal Assistant and one Accounts Staff may be appointed in the University to provide support to Dean SW and the University Office respectively.

**Decision: Board deferred the proposal with advice to call a joint meeting of Registrars and Vice Chancellors of both the Universities shortly and consider the same.**

## 3. Consideration and approval of faculty positions for the academic year 2019-20

Board was apprised about the number of faculty requirements, prepared by the Dean Academics for the Departments as per the programs offered by them during the academic year 2019-20. The detailed faculty requirement cadre wise & departments wise mentioned in the table was presented for consideration:

S. No.	Faculty / Academic Unit		No of Post (Cadre wise)			
			Professor	Associate Professor	Assistant Professor	Total
1	Faculty of	Department of Computer Science and	2	6	27	35



	Engineering	Technology				
2		Department of Electronic and Communications	1	1	9	11
3		Department of Mechanical Engineering	1	3	9	13
4	Faculty of Applied Sciences	Department of Mathematics	0	3	7	10
5		Department of Physics	2	2	4	8
6		Department of Chemistry	2	4	5	11
7	Faculty of Management and Commerce	Department of Management and Commerce	1	6	3	10
8	Faculty of Law		2	4	16	22
9	Faculty of Education	Department of Education	1	3	19	23
10		Department of Humanities	0	0	3	3
	Total Faculty Sanctioned Post		146			

The proposed requirement of department wise teaching posts as presented above was deliberated and approved by the BoM.

**Decision: Board approved the faculty position required for the academic year 2019-20.**

Meeting ended with a vote of thanks to the Chair.



*K Singh*  
(Dr. K. Singh)  
Registrar

**F.NO. MRU / BoM (A&M) /Vol. IV /2017**

**Dated: 27.08.2019**

To,

1. PS to Chancellor for kind information of the Hon'ble Chancellor
2. PS to VC for kind information of the Hon'ble Vice Chancellor

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3. Additional Chief Secretary to Government, Haryana Higher Edu. Department, Room No. 403, 4th Floor, Mini Secretariat, Sector-17, Chandigarh.
4. PS to VP for kind information of the Hon'ble Vice President, MREI
5. Dr. M.M. Kathuria, Trustee, NIT Faridabad
6. Prof. Sanjay Srivastava, Vice Chancellor, MRIIRS, Faridabad (Special Invitee)
7. Dr. N.C. Wadhwa, Director General, MREI, Faridabad (Special Invitee)
8. Ms. Shalini Tuli, Associate Professor, (Nominee of the Govt)., Govt. College, Sector 16, Faridabad.
9. Sh. Rajiv Kapoor, ED & Group HR, Head, Uno Minda
10. Sh. Navdeep Chawla, Chairman / Managing Director, Psychotropic India Ltd. 214-216, Sector-15, Faridabad
11. Prof. Sangeeta Banga, Dean (Academics)
12. Prof. Parul Jhalaria, Dean, Faculty of Management & Humanities
13. Dr. Babita Parashar, Dean, Faculty of Education
14. Prof. Joshe P. Verghese, Professor Emeritus, Faculty of law
15. Prof. (Dr) Pradeep Varshney, Dean Research, MRU (Special Invitee)
16. Prof. Versha Vahini, HoD, Dept. of Law
17. Ms. Hanu Bhardwaj, HoD, Dept. of CSE



## Manav Rachna University, Faridabad.

## Research Projects undertaken by faculty and Seed Money given for the Projects

## Financial Year (2019-20)

S.No.	Name of Faculty Members	Department	Projects Name	Total
1	Dr. Prem Kishore Patnala	Chemistry	Production of Clean Water from Clay Mud Pot Filters	25500
2	Ms. Yogita Gupta	ECE	Microwave Sensing Device for Dielectric Characterization of Materials	27500
3	Dr. Jyoti Pruthi	CST	Gait Modelling for Asthma Prediction (GMAP) in Children using IOT & Evolutionary Algorithm Optimization	142500
4	Dr. Hardeo Kumar Thakur	CST	Machine Learning Approach for Hidden Community Detection from Security Perspective	154000
5	Dr. Sandeep Kumar	Physics	Development of Compact X-ray and THz (terahertz) sources for attosecond Science-A theoretical & simulation investigation	170400
6	Dr. A. Jayamani	Chemistry	Exploration of fibril squelching ability by ionic liquid immobilized magnetic nanoparticles for biomolecular interactions	163171
7	Dr. Yogendra Kumar Sharma	Mathematics	Mathematical Modeling of the Effect of Social Media on Society	155657
8	Dr. Arpit Sand Dr. Aparna Vyas	Chemistry Mathematics	Development of Biodegradable Advance Superabsorbent Polymers Materials for Sanitary Applications	151800
9	Dr. Pradeep K. Varshney Dr. A. Jayamani	Chemistry	Development of Revolutionary Reusable Antiviral Nano-coated Face Masks for reducing the SARS CoV-2 Virus effect	159500
10	Dr. Parul Jhajharia	Management	A Study of Antecedents of Employee Satisfaction And Its Linkages With Customer Delight In Select Indian Hospitality Industry	125618
11	Dr. Pooja Kapoor	Management	An Empirical Study on The Determinants of Usage and Adoption Intention and Behavior with Regard to Mobile Shopping Application in India	143500
12	Dr. Shruti Vashist	ECE	Routing in Smart Grids	142000
13	Dr. Rajat Gera	Management	A Study on the Relationship of Customer Attitude with Behavioral Intention in Green Food Product	136500
14	Dr. Sachin Lakra	CST	Automated Hate Speech Detection for user Comments on Online Platforms	143500



S.No.	Name of Faculty Members	Department	Projects Name	Total
15	Ms. Yogita Gupta	ECE	Analysis and Design of 5G Mobile Antennas to Improve IoT Cellular Communication Connectivity in Rural and Urban	<b>170000</b>
16	Dr. Haider Abbas	Physics	Study of the Interaction between Environmental pollutants and small sized metallic clusters using Density Functional Theory	<b>139854</b>
17	Dr. Hardeo Kumar Thakur	CST	Mining and Analysis of Evolving Patterns in Dynamic Graphs	<b>144500</b>
18	Ms. Priyanka Gupta Dr. Hardeo Kumar Thakur	CST	System and Method for Communal Violence detection using social networks based community detection	<b>25500</b>
<b>Total</b>				<b>2321000</b>



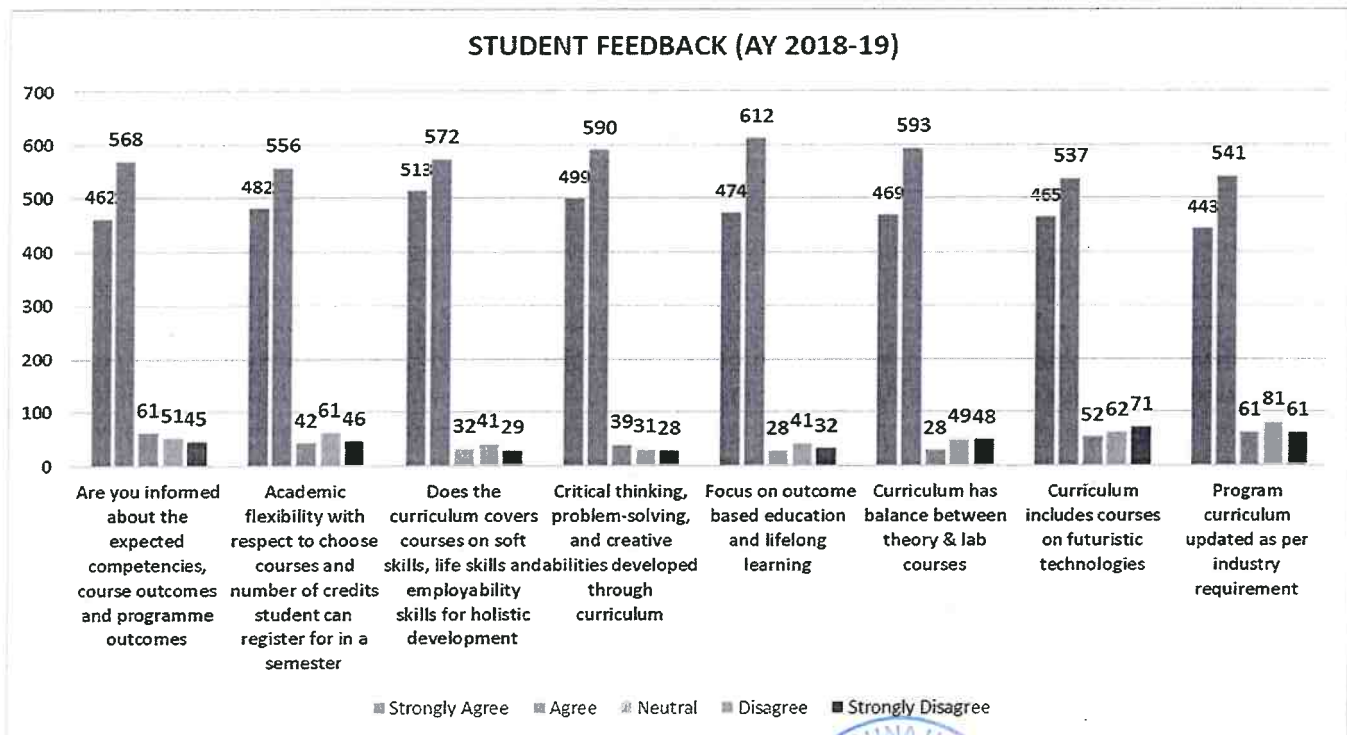


**Feedback Analysis of Stakeholders and Action Taken Report**

The purpose of feedback is to monitor, review, and improve the overall quality of the teaching and learning process at MRU. Feedback from various stakeholders, including students, faculty, alumni, and employers, is reflected in the design and development of curricula to strengthen and improve the academic system of Manav Rachna University. Once submitted, feedback from various stakeholders is collected and analyzed, and appropriate actions are taken periodically to revise the curriculum, restructure the curriculum, and improve quality. The full feedback report is hosted on the institution's website for transparency. The entire feedback process is conducted by a dedicated Feedback committee.

**A. Student**

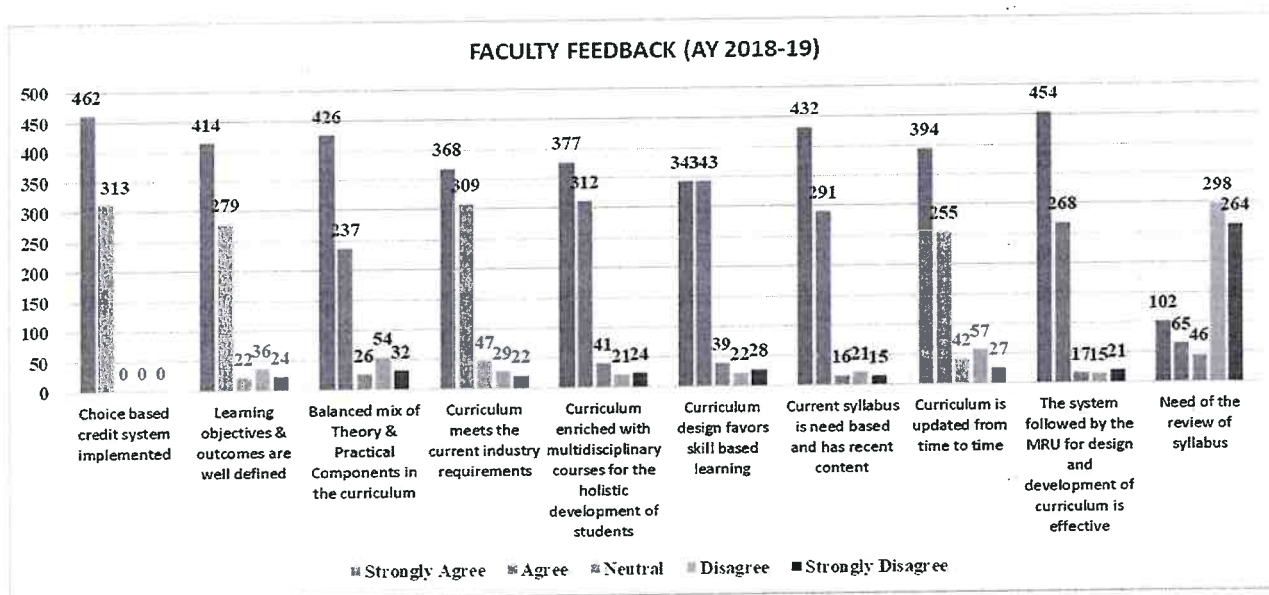
For learning to be effective and for students to have more positive learning experiences, feedback from other students is crucial. Students' engagement in the teaching and learning process is made easier by the feedback they provide. In the academic year 2018–19, feedback from students was gathered regarding course competencies, need for updating the program's curriculum to meet industry needs, balance between the theory and lab components, existence of academic flexibility in terms of course selection and emphasis on skill-based and multidisciplinary courses for overall development. Out of the 1187 respondents, 88% of the students responded favorably to the curriculum implemented, 4% were neutral and 8% showed discontent.





## B. Faculty

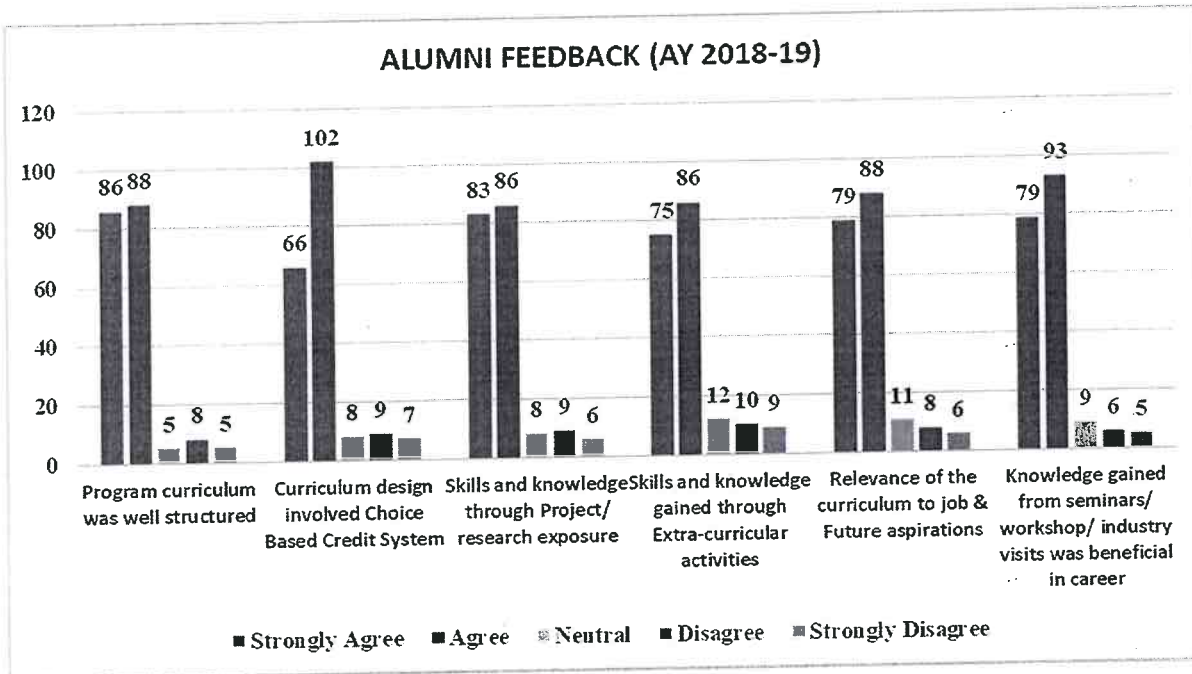
The goal of the curriculum faculty input process is to update or alter the curriculum to better meet the needs of students seeking higher education, entrepreneurship, or employment. In the academic year 2018–19, 775 courses received feedback from faculty on a variety of curriculum-related topics, including the effective implementation of CBCS, the balance between theoretical and practical curriculum components, the suitability of the curriculum to meet industry demands, the inclusion of skill-based and multidisciplinary courses, and the necessity of regular revision requirements. According to over 90% of answers, the university's approach for developing its curricula has been well received. 4% of the time, the professors' comments were neutral, and 6% of the time, they disagreed. The following statistics are provided in detail graphs to show the responses:



## C. Alumni

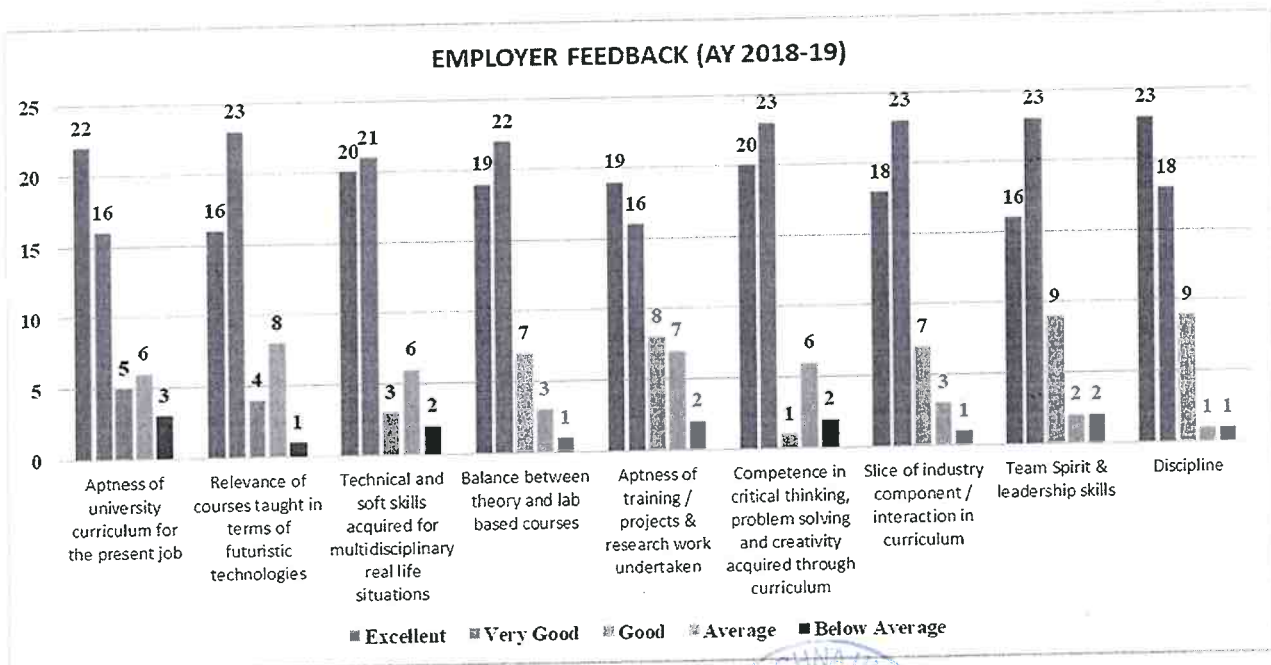
The academic climate in higher education can be improved with the help of alumni input. By examining the comments given by former students, it is feasible to assess how effectively the curriculum complies with market demands and trends. It assesses feedback from graduates and their satisfaction with the learning environment. In the Academic Year 2018-2019, we received feedback on a range of curriculum-related subjects, such as the curriculum's relevance to industry requirements and future aspirations, the balance between theoretical and practical components, the knowledge gained from seminars, workshops, and industry visits, and the accessibility of extracurricular and co-curricular activities (AY 2018–2019). Among the 192 respondents, 88% strongly agreed that the academic programme was effective, while 7% had a different viewpoint.





#### D. Employer

The Employer Feedback assesses the Applicability of Concepts, Tools, Activities, Training, and Case Studies given in the Curriculum for Graduates' Employability Skills. Employer feedback on factors like the university curriculum's suitability for the job market, the relevance of courses in terms of cutting-edge technologies, the harmony between theory and practice, the students' proficiency in critical thinking, problem solving, and creativity, as well as life skills like teamwork and discipline, was collected in the academic year 2018–19. 88% responded in favor of the university's curriculum design out of the 52 employers' responses. However, 12% of respondents commented about areas of further improvement.



### Action Taken Report

#### A. Student

S. No.	Feedback	Suggestions/Action Taken Report
1.	More Job opportunities should be provided.	ISHRAE Job Junction organized to give platform to the students for more job opportunities.
2.	Provisions to work on live projects to gain practical experience	Engineering Exploration training introduced to first year students to give exposure on live projects.
3.	For students in their second and third year, there ought to be the choice to pursue an industrial internship	Post 4 <sup>th</sup> & 6 <sup>th</sup> Semester, option given to students to go for industrial internship.
4.	We need more instruction on communication techniques	Sessions & Workshops on Communication skills will be organized
5.	Mock GD sessions should be set up to develop student's interpersonal skills and confidence.	Career resource center organizes GD & Interview sessions for pre final & final year students.
6.	Give weaker students additional attention to help them with their issues	Remedial classes organized and mentor-mentee sessions conducted on time to time.



**B. Faculty**

S. No.	Feedback	Recommendation/Action Taken Report
1.	Revision in Applied Sciences program required as per UGC model curriculum	UGC model curriculum was implemented in B.Sc.(H) & M.Sc. in Physics, Chemistry and Mathematics
2.	Requirement of research based courses in PG programs	Scientific Research-I & II introduced in M.Sc. Physics, Chemistry & Mathematics to built the research acumen of the students
3.	Course revisions required in BBA program	Syllabi Revisions were done in Behavioral sciences, Business taxation, Investment analysis & Portfolio management, Business statistics and Total Quality management
4.	Specialization in Physical Chemistry would increase the scope of the program	Specialization in Physical Chemistry introduced in M.Sc. Chemistry program
5.	Change in L-T-P mode in some of the core courses required in B.A. B.Ed. integrated program	L-T-P mode for Humanities changed from 3-0-2 to 4-0-0

**C. Alumni**

S. No.	Feedback	Suggestions/Action Taken Report
1.	Students should be made informed of current scenario taking place throughout the world.	Expert lecture from Industry & Industry visits are organized time to time
2.	The students' writing abilities need to be strengthened	Competitions like Essay writing, Blog writing conducted for the students by Student & Welfare committee.



3.	The graduate programs can benefit from the addition of skill-oriented courses	Summer training modules are already incorporated in the program structure. More workshops by departments in collaboration with Industry partners to be promoted
4.	As per market requirement, courses related to Agile software, Digital product engineering should be introduced.	Courses related to specialization like Agile technology, Digital product engineering introduced for B.Tech CST
5.	Encourage students to take part in national, and international competitions	Faculties provide details of the national & International events like Baha Vehicle Competition, Microsoft cup to the students
6.	The student must participate in academic activities besides studies, such as quizzes, seminars, and workshops.	On regular basis, department organizes the activities like quizzes, alumni lectures, technical events

#### D. Employer

S. No.	Feedback	Suggestions/Action Taken Report
1	Students exposure with latest technologies required	Expert lectures on latest technology trends conducted to keep students abreast with emerging technologies
2	Students should participate in national & international competitions	Students are motivated and asked to participate in Hackathons, Design competitions and coding competitions
3	Students fluency required in machine test , face to face interview	Aptitude test and other technical tests as a part of CDC are being offered to students. Mock interviews are organized to enhance their skills.
4	Basic Interpersonal coaching required to students	Interpersonal coaching is given time to time so that students clear their doubts, develop friendly relations with their classmates, develop teamwork and collaborative attitude.

