Manav Rachna University

(Formerly Manav Rachna College of Engineering)

Faridabad

MANAV RACHNA
vidyanotariksha

MANAV RACHNA
UNIVERSITY
Declared as State Private University vide Haryana Act 26 of 2014

MINUTES

OF SIXTEENTH MEETING

OF

ACADEMIC COUNCIL

Dated: 20.07.2021

MINUTES OF SIXTEENTH MEETING OF THE ACADEMIC COUNCIL OF MANAV RACHNA UNIVERSITY HELD ONLINE THROUGH MICROSOFT TEAM APPLICATION ON 20.07.2021 (TUESDAY) AT 11:00 AM.

A meeting of the Academic Council of Manav Rachna University was held on Tuesday, Dated 20.07.2021 at 11:00 AM to consider various academic matters.

The following were present:

1) Prof. I.K. Bhat, Vice Chancellor / Chairman
2) Prof. V.K. Ahuja, VC, NLU & Judicial Academy, Guwahati
3) Prof. S.K. Garg, Professor, DTU, Delhi
4) Prof. Anita Rastogi, Professor, JMI, New Delhi.
5) Prof. M.L. Singla, Professor, Faculty of Mgt. Studies, DU, Delhi
6) Prof. Vikram Goyal, Professor, CSE, IIIT-Delhi
7) Prof. Raj Senani, Prof. Emeritus & Former Director, NSIT now, NSUT, Dwarka
8) Prof. Kanupriya Sachdev, Professor, MNIT
9) Prof. Devender Kumar, Professor, DTU, Delhi
10) Prof. Sangeeta Banga, Dean,Academics
11) Prof Pradeep Kumar Varshney, Dean, Research
12) Prof. Parul Jhajharia, Dean, Management & Commerce
13) Prof. Shruti Vashisht, Dean, Students Welfare & HoD, ECE.
14) Prof.(Dr) Versha Vahini, Assoc. Dean & HoD, Law
15) Dr. Babita Parashar, Dean, Education
16) Ms. Hanu Bhardwaj, HoD, Computer Science & Technology
17) Prof. Sujata Nayak, HoD, Mechanical Engg.
18) Dr. Jai Prakash, HOD, Physics
19) Dr. Rashee Singh, HoD, Education.
20) Dr. Deepa Arora, HoD, Mathematics
21) Dr. S.K. Shukla, HOD, Chemistry ,
22) Dr. Paragati Chauhan, HoD, Mgt. & Com.
23) Dr. Megha Mittal, Assoc. Prof. Chemistry
24) Dr. S.K. Bose, Assoc. Prof. law
25) Dr. Hardeo Kumar Thakur, Assoc. CSE
26) Dr. Savita Sharma, Assistant Professor, Education
27) Dr. Subodh Saluja, Associate Professor, Mgt. & Com.
28) Dr. Joginder, Assoc. Professor, M.E
29) Dr. Charu Pathak, Assoc. Prof., ECE
30) Prof. Jyoti Pruthi, Professor, CSE
31) Prof. Geeta Thakur, Professor, Education & Head ASLI
32) Dr. K. Singh, Registrar/Member Secretary

Prof. Sangita Kansal, Professor & Expert Member could not attend the meeting due to her other professional engagements. She was granted leave of absence by the Chair:

Following are the minutes of the meeting:

The Registrar welcomed all the members present in the meeting and requested the Vice Chancellor to open the meeting with his brief remarks.

16.1 Opening Remarks by the Chairman

The Hon'ble Chairman, welcomed all the honourable members present in the meeting especially the new members nominated as experts after reconstitution of the Academic Council. He also thanked the ongoing members under whose supervision various academic decisions were taken. For information of the new members, the Chairman apprised about MRU, which came into existence in 2014 by the Act of Legislature of Haryana Government and since then has tried to move forward. Earlier it was an Institution affiliated with MDU Rohtak, offering limited number of courses but after becoming the University, it has added five faculties viz. Faculty of Engineering, Faculty of Management, Faculty of Applied Sciences, Faculty of Law and Faculty of Education. It is heartening to see that with the addition of faculties, University has been progressing well and good results have been achieved because of hard work done by the faculty and students of the University during the past six years of its establishment.

The Chairman also informed the respected members about some of the activities carried out by the university, since the last meeting of the Academic Council, some of which, are listed as below:

(1)   Manav Rachna Educational Institutions (MREI) have entered into its 25th year of academic journey and to commemorate the occasion, year-long silver jubilee celebrations started with a webinar on "THE MESSAGE OF THE BHAGVAD GITA" by Dr. Karan Singh on 8th July 2021.

(2)   As per Times Engineering survey 2021, Faculty of Engineering, MRU has been ranked as the 2nd top-most emerging institute and is top-most in terms of employability & research capabilities.

(3)   MRNAT phase 1 was conducted on 23rd & 24th May and MRNAT Phase II conducted on 10th & 11th July. Admission process for the session 2021-22 is in progress.

(4)   This year, Ph.D. admissions were shifted from Dec-Jan to July session, Ph.D entrance is scheduled on 24th July 2021 and it is expected to receive good response.

(5)   Dr. Babita Parashar got the opportunity to launch 3 weeks MOOC course under UNESCO Mentoring program on "Social Emotional Learning: Learning to be", which has been appreciated globally.

(6)   Faculty of Law in collaboration with Bar& Bench & Suveeksha Eduskills offered 10 weeks online certification course on Comparative competition law from 4th June 2021. There are 36 participants who have registered for the course.

(7) Center of Legislative Studies & Research, Faculty of Law in collaboration with Suveeksha Eduskills offered 4 days online certification course on "legislative drafting" in March 2021. 26 Candidates attended the course

(8) The Department of Electronics & Communication, Faculty of Engineering, Manav Rachna University organized in house workshop on MIT App Inventor and all the faculty members who participated and designed atleast one Android App for Arduino.

(9) Faculty of Law, Manav Rachna University organized Legal Vignette – Online Case Presentation Competition on 27th February 2021.

(10) Faculty of Law, in collaboration with Manav Rachna Centre for Peace and Sustainability organized a round table conference on "Achieving World Peace" through Equity and Social Justice on 24th February 2021.

(11) Prof. Pradeep K. Varshney was Invited as a speaker to deliver a talk on "Business Intelligence" at ED Cell and IIC of IIMT, Greater Noida on 16 June 2021. He was also Invited as a speaker to deliver a talk on "Alignment of Research and Innovation activities towards Sustainable Development Goals (SDGs)" in 3rd International Conference on Recent Trend on Science and Technology (ICRTST-2021) organized by Maa Shakumbari Trust Greater Noida from June 19-20, 2021.

(12) Dr. Mrinal Pandey, mentored a project under the use-case titled 'Real-time price discovery & volume management at e-marketplaces' and won AI grand challenge announced by CDAC and organised by Telangana government in Telangana AI Mission Agri.

(13) Dr. Manpreet Kaur, has been appointed as a reviewer in IJSI, IGI-Global in January 2021.

(14) Ms. Gaganjot Kaur, Dept of CST dept received Mentor certificate for the Jan-Dec 2020 semester for IOT course on 24th March 2021 from NPTEL.

(15) Dr. Manpreet Kaur, Dept of CST dept. has been elevated to "Senior Member" IEEE Award on 20th April by IEEE (USA) for her contribution and association with IEEE student activities.

(16) Dr. Sanjay Singh, chaired a session at "International Conference on Intelligent Technologies (CONIT 2021), 25 – 27 June 2021, IEEE 2021 The International Conference for Intelligent Technologies, Hubballi, Kartakata, India.

(17) IEEE Delhi section felicitated student branches from Delhi, Rajasthan, Punjab: Dr. Manpreet Kaur, past Chairperson Women in Engineering, has been felicitated with "Honorary WIE Recognition" award for her contribution as Chairperson, WIE Affinity Group, IEEE Delhi Section in 2020-2021.

(18) Ms. Chaitali Wadhwa, was invited to be an Arbitrator Judge in the Moot Shanghai from 8-12 March 2021.

(19) Dr. Jyoti Pruthi, received certificate in recognition of the review and contributed to the journal "The Editors of Neurocomputing" since March 2021.

(20) Dr. Megha Bansal, was Invited at National Council of Cement and Building Materials as a Guest of Honour in the International Women's Day celebrations at NCCBM to address the officials and staff of NCCBM

(21) Dr. Arpit Sand delivered a talk in one week Short term course on theme 'Advanced Materials For Aatmanirbhar Bharat' in organized by J C Bose University of Science and Technology

(22) Dr. Sujata Nayak chaired Session in 1st International conferences on Mechatronics and artificial Intelligence (ICMI) held on February 26th-27th Feb, 2021 organized by Association of Engineers and Technocrats, FoE, SGT University, Gurugram, Haryana, India.

(23) Dr. Sujata Nayak, Mr. Prashant Bhardwaj and Mr. Nazish successfully attended TEQIP Sponsored Online FDP on Renewable energy Sources and Future Energy Needs conducted by MIT, Gwalior from 15th Feb-19th Feb, 2021.

(24) Mr. Sanjay Taneja published an Article on "Blooming of Startup culture in India". Haryana Magzine.

(25) Mr. Sudhir Singh successfully completed 4 months certification program in different modules like Tableau, Python, ML, SQL

(26) Mr. Joginder Singh successfully completed the NPTEL Online Certification of "Processing of Polymers and Polymer Composites"with a consolidated score of 94%. He was in Toppers 5% and received the Gold Medal. This is an AICTE approved 8 weeks FDP course

(27) Mr. Piyush Mahendru & Mr. Sudhir Singh has successfully completed 5 days Faculty Development Program- Student Induction on UHV conducted online during 24 - 28 May 2021.

Other achievements in Research and Innovation Activities of Manav Rachna University

(1) Research papers published / presented by faculty members and students in Journals and Conferences which are published in Scopus and WoS databases journals and proceedings since the last AC meeting.

   - University h-index (Scopus) has increased from 23 to 25.
   - University Scopus publications increased from 320 to 345.
   - 3 Research Projects submitted by the faculty members,

(2) Dr. Pradeep K. Varshney & Dr. A. Jayamani, Department of chemistry on the title Development of Antimicrobial coatings using green synthesized nanoparticles for plummeting the effects of pathogens, SERB-DST on March 17, 2021.

(3) Dr. Aditya Sharma (Physics, MRU) & Dr. Alpa Gupta (MRDC), Department of Physics , MRU & MRDC, on the title Concentrated Growth Factor Incorporated Nanoparticles: A Novel Biodegradable Scaffold For Bone Tissue Regenerative Therapy by SERB-DST on March 02, 2021.

(4) Dr. Arpit Sand & Dr. Vinayak V. Pathak, Department of chemistry on the title, Synthesis and characterization of super adsorbent polymer (SAPs) for sanitary application and improvement of soil quality, Defence Research and Development Organization, DRDO On April 15, 2021.

Chairperson, apprised the members about the placements of students as reproduced hereunder:

(1) Placement process for the 2021 Batch is in progress. The department wise placement position is as follows:

- Harshit Aggarwal of CST got placed with Urvija AI at the package of 32 LPA
- Nandini Chauhan of CST has been selected for Fellowship with Teach for India and has also got admission at the Columbia Business School, New York.

(2) CSE – 99 students out of 156 eligible candidates placed with Highest Salary Package: 32 LPA offered by URVIJA AI), 7 students of Mechanical have also got placed in core companies

(3) MATHS – 1 BSC student out of 22 eligible candidates placed at package of 10 LPA by LIDO LEARNING

(4) CHEMISTRY - 4 MSC student out of 13 eligible candidates placed with highest salary package: 3.8 LPA offered by Infollion Research Services (Average Salary Package: 2.8 LPA)

(5) BBA - 5 students out of 49 eligible candidates placed with highest salary package: 4 LPA offered by LIDO LEARNING.

"Some major/ remarkable Student Achievements

(1) IEEE MRU Student Branch has been honored with prestigious awards for outstanding work in 2020, in IEEE Delhi Section Annual Award Ceremony 2021, organized virtually at Delhi Technological University, on 4th July.

(2) Mr. Rahul Thakur, student of B.Tech. CSE 8th Sem has been recognized as NPTEL Discipline Star for his Six MOOC Courses in Computer Science and Engineering Discipline where each course ranged between 8 to 12 weeks. The certificate of recognition has been awarded to him by SWAYAM-NPTEL (The National Programme on Technical Enhanced Learning).

(3) Mr. Parag Kumar Garg, student of B.Tech. CSE 8th Sem has been recognized as NPTEL Discipline Star. He completed Eight MOOC Courses in Computer Science & Engineering Discipline where each course ranged between 8 to 12 weeks. The certificate of recognition has been awarded to him by SWAYAM-NPTEL (The National Programme on Technical Enhanced Learning).

(4) Mayank Saxena, student of B.Tech. CSE with Data Science & Amp; Machine Learning 4th Semester got the opportunity of Internship in (Graphic Designer) with Xebia.

(5) An article entitled 'Why Entrepreneurship is a Solution for Unemployment' authored by Mr. Shrey Bisht, student of B.Sc.(H) Mathematics (2020 – 23) II semester, was published in the eighth edition of MERAKI, the official newsletter of Manav Rachna University Entrepreneurship Cell. It aims to spread awareness on Sustainable Development Goals (SGDs).

Activities carried out by the Department of Student Welfare:

(1) The Department of Student Welfare Manav Rcahna University organized a quiz on "Wetlands" on 7th February 2021. The quiz was held to test and amplify the knowledge of students about a very rare and important topic of "Wetlands" and to make them more aware of our environment.

(2) Under National Road Safety Month from 18th January 2021 to 17th February 2021 the Clan Forest Rhino in association with Department of Student welfare organized Road Safety Poster Making Competition on 9th of February 2021.

(3) On the occasion of International Women's day, Manav Rachna Peace and Sustainability Club in collaboration with The Department of Student Welfare and OP Bhalla Foundation organized a one week long celebration for International Women's day 'Adya' . Eight various events were conducted under this agenda like 'Know Your Rights', 'Law Dialogue', ,'Panel Discussion', 'Dare 2 Aspire',……..

(4) On the occasion of WATER DAY (22nd March) Manav Rachna Centre for Peace and Sustainability, MRU; Department of Student Welfare, MRU; Dr. O P Bhalla Foundation initiated 'CONSERVE WATER PLEDGE'.

(5) IQAC and Dean Student Welfare, MRU organized a one day Workshop on Diet Nutrition and Fitness, on 20th June 2021.

(6) IQAC and Dean Student Welfare, MRU organized Yoga Workshop on the occasion of international yoga day.

With these remarks, the Hon'ble Chairman, requested Registrar to take up agenda of the Meeting. The Registrar thanked the Chairperson and took the agenda of the meeting one by one as under:

16.2 Confirmation of the Minutes of the 15th Meeting of the Academic Council held on 14.01.2021.

Hon'ble Members of the Council were informed that Minutes of the 15th Meeting of the Academic Council, held on 14.01.2021, were circulated to all the members through email on 29.01.2021, no comments were received from any member. The Council was requested to confirm the Minutes.

Decision: Academic Council confirmed the minutes of last meeting of the Council.

16.3 Action Taken Report on the decisions taken in the 15th meeting of the Academic Council.

Registrar apprised the Members with the action taken report on the decisions of the last Meeting of the Academic Council and requested the Hon'ble Members to allow him to take the report on record.

Decision: Academic Council took the Action Taken Report on record.

16.4 Matter for information

Registrar informed the members that he would like to skip the points already covered by Vice Chancellor in his opening remarks for sake of repetition. He presented some of the matters for information of the hon'ble members as follows:

(a) Reconstitution of Academic Council, Board of Faculty and Board of Studies
(b) Achievements of Faculty and Students
(c) Events & Activities carried out by various Departments of the University
(d) Events organized by MRU-IIC units
(e) Research and Innovation
(f) Research Publications in Journals and Conferences,
(g) Virtual launch of Allurance E-magazine on World Environment Day
(h) Implementation of NISP policy in the University and Startups-in-progress
(i) Change of program from B. Tech. Electronics and Computer Engineering to B. Tech. Electronics and Communication Engineering
Hon'ble members were requested to allow for taking the above matter on record.

Decision: Academic Council took the above information on record.

16.5 Matter for ratification

(a) Approval of admission policy for the existing UG / PG Programs during the Academic Session 2021-22.

The Council was apprised that the University has started admissions in r/o UG/PG programs for the academic session 2021-22 with intake, eligibility and merit criteria as approved for them last year. A detail about it was presented for information of the members. One of the Hon'ble Members tried to ascertain the reason of keeping aggregate marks higher in comparision to other specialization in B.Tech CSE programs. The Dean, Academics clarified that it is done as per requirement of the knowledge partner. Academic Council after deliberation ratified the admission policy for the existing UG / PG Programs for the Academic Session 2021-22.

(b) Approval of format of Degree Certificate for Doctor of Philosophy (Ph.D.) and Honoris Causa (D.Sc.) awarded upto the January 2021.

The Academic Council was apprised that the University for the first time awarded the degree of Doctor of Philosophy to two candidate namely, Sh. Jaideep Singh & Ms. Neha Nandal who were enrolled with the Ph.D. Program of the University. Similarly, Honoris Causa, Doctor of Science (D.Sc.) was also awarded for the first time during the fourth convocation held on 21-Jan-2021 to Late (Dr.) Sri Kumar Banerji. The format of Degree used for award of Doctor of Science was kept the same as was approved by the Board in its 7th Meeting for Honoris Causa, Doctor of Philosophy. The copies of the Degree Format were presented before the AC for perusal with the request to ratify the same for consideration of the Board. The certificate formats are as per the requirement of DIGILOCKER.

Decision: The Academic Council ratified both the matters for further consideration by the Board of Management.

(c) Approval of revised syllabus for Ph.D. Course work courses and change in assessment methods for Ph.D. Programs from the academic session 2020-21 onwards.

Academic Council was informed that the university admitted first batch of Ph.D. scholars in Jan 2016 and as per UGC guidelines, all scholars attended classes in first semester for two mandatory courses and one area specific course as under:

(a) Research Methodology (MCH711) (4 credits)
(b) Quantitative Techniques (MCH712) (4 credits)
(c) Area specific Course (2 Credits)

The total credits of course work are 10.

In January 2020, UGC prescribed one additional course Research-and-Publication-Ethics as a mandatory course for all the scholars. Thus, University is currently offering courses as per following details:

(a)Research Methodology (MCH711) (4 credits)
(b)Quantitative Techniques (MCH712-B) (2 credits)
(All scholars except Law Department) / Comparative Constitutional Law (LWH801) (2 credits) (Scholars of Law Department only)
(c) Research-and-Publication-Ethics (2 credits).
(d) Area specific Course (2 Credits)

The total credits of course work are maintained 10.

BOS of the Departments have already been considered and concurred with the revised syllabus for the course work. The same was presented before the Academic Council for its ratification.

Decision: Academic Council ratified the above action of the University.

16.6 Consideration of Changes in Format of Degree for UG, PG & Ph.D. Programs and Honoris Causa, Ph.D & D.Sc.

Academic Council was apprised that University had initially adopted "Manav Rachna Vidyaantriksh" Logo on the Degree Certificates, which is now proposed to be replaced with University Logo in the degree formats approved for UG, PG, Ph.D Programs and Honoris Causa, Ph.D & DSC. Accordingly, necessary changes in the watermark of the Degree certificate will be made. Besides, some changes in the text of the degree formats are also proposed to be made. The sample of new degree formats for all the programs alongwith old ones were presented before the members of the Academic Council with request to kindly consider and recommend the same for approval of the Board of Management.

Degree formats approved for UG, PG, Ph.D Programs and Honoris Causa, Ph.D & DSC are annexed herewith as **Annexure-1.**

Decision: Academic Council recommend the same for approval of the Board of Management.

16.7 Consideration of Appendix to the Chapter 10 of MRU (Academic) Regulation, 2020.

Academic Council was informed that in order to bring uniformity in the processes and system, followed by all the Departments, for conduct of Meetings of SRC & DRC and to clarify some of the clause of chapter 10 of MRU (Academic) Regulation,2020, an Appendix to the Chapter 10 of the Regulation has been prepared and being presented

placed before the Members for consideration. The same is annexed herewith as **Annexure-2.**

Decision: Academic Council considered and recommended the same for approval of the Board of Management.

16.8   Introduction of 3 Year LLB Program and closing of 5 Year B.Com LLB (H) Programs from Academic Session 2022-23

Academic Council was apprised that Faculty of law with the concurrence of BOS of the Department has suggested to introduce 3-Years LLB program with one section of 60 from Academic Session 2022-23. The Faculty of law is of view that having a 3-years LLB program will complement the existing 5-years integrated law programs and will be helpful in many respects. Further, It will ensure optimum utilization of existing infrastructure of the Law Faculty. Further, it is proposed to discontinue the 5 Year B.Com LLB (H) Program from session 2022-23, as the program could not attract good number of students during the last five years.

The members were also apprised that the introduction of this program will also require approval from the Govt. of Haryana and Bar Council of India. A proposal in this regard will be submitted to the above authorities after the Council / Board of the University approve the proposal.

The Council considered the proposal of the Department recommended the same for approval of the Board.

Decision: Academic Council concurred with the proposal and recommended for placing before the Board of Management for its approval.

16.9   Consideration of revised program Structure, Syllabus and Scheme of Evaluation for the 5 Year Law (H) courses offered in the Ninth and Tenth Semester of the Programs

Academic Council was informed that the program Structure, Syllabus and Scheme of Evaluation for the 5 Year Law (H) courses offered in the Ninth and Tenth Semester of the Programs were approved by the Academic Council in its 14th Meeting held on 20.09.2020. The Department has now proposed some changes in the courses or their title & scope in the Program Structure for Ninth and Tenth Semester in addition to revision in Syllabus and Scheme of Evaluation in respect of 5 Year Law (H) Program with the approval of their Board of Studies.

Prof. Singla and Prof. V.K. Ahuja ji made observation that, the revision in the program Structure, Syllabus and Scheme of Evaluation, once notified before start of the session, can not be allowed to be changed during mid of the session. The Associate Dean, Law

clarified that the proposed changes are yet to be notified, moreover, the program Structure, Syllabus and Scheme of Evaluation have been got approved on a yearly basis and are to be notified for the 1st time. Hon'ble members were then satisfied and concurred with the same.

Decision: Academic Council approved the same.

16.10 Revision of Syllabus of selected courses being offered in 5 Year Law (H) and LLM program.

Academic Council was informed that the Department of law has proposed revision of Syllabus for the selected core and elective courses offered in UG programs as below;

Sr. No.	COURSE CODE	COURSE TITLE
1	LWH107	Legal Methods
2	LWH201	Constitutional Law-I
3	LWH202	Family Law – I
4	LWH203	Law of Crimes - I
5	LWH301	Administrative Law
6	LWH304	Law of Evidence
7	LWS311	Clinic – I (ADR)
8	LWH401	Land Laws
9	LWH405	Competition Law
10	LWH501	Public International Law and Human Rights
11	LWH502	Environmental Law
12	LWH503	Information Technology and Telecommunication Laws
13	LWH504 /LWH506	Banking and Insurance Law /Gender Justice
14	LWH505/ LWH507	Commercial Arbitration – Theory & Doctrines /International Humanitarian and Refugee Law
15	LWH512 /LWH514	Securities Law and Market Regulations / Cyber Crimes and Law/
16	LWH513	International Investment Law

It has also proposed revisions in the courses offered as electives in LLM program already approved by the Academic Council as below:

Sr. No.	COURSE CODE	COURSE TITLE
1	LWH602	Comparative Public Law/ Systems of Governance
2	LWH603	Law and Justice in a Globalizing World
3	LWH632	Corporate Finance
4	LWH633	Insolvency and Bankruptcy Law
5	LWH642	Criminal Justice Administration
6	LWH644	Socio-Economic Offences

The proposed revision suggested by Department for various courses is based on the feedback received from the Professionals and Faculty and are approved by BoS of the Department. The Council was requested to consider and approve the same.

After detailed deliberation, the Academic Council was requested to consider and approve the proposed revision of Syllabus of courses offered in UG programs and LLM program.

Decision: Academic Council approved the same for notification.

16.11 Revision of syllabus of selected courses being offered in B.Ed and integrated B.A B.Ed

Academic Council was informed that the Department of Education & Humanities has proposed revision of Syllabus for the courses in B.Ed. program as below;

	COURSE CODE	COURSE TITLE
1	EDH108-T	Pedagogy of Social Sciences
2	EDS103	Creating an Inclusive Classroom
3	EDW104	Reading and Reflecting on Texts
4	EDS107	Communicative English
5	EDH127-T	Pedagogy of School Subject-II (English)
6	EDH127-P	Pedagogy of School Subject-II(English)
7	EDW125	Drama and Arts in Education
8	EDH216	Knowledge and Curriculum

9	EDS227	School Organization & Management

It has also proposed revisions in the courses offered in B.A. B.Ed. program approved by the Academic Council as below:

Sr. no.	COURSE CODE	COURSE TITLE
1	EDH117-T	History I: Indian history till 1206 A.D.
2	EDH117-P	History I: Indian history till 1206 A.D.
3	EDH118-T	English I: An Introduction to English Literature
4	EDH 119-T	Economics: Microeconomics Theory and Application – I
5	EDH 119-P	Economics: Microeconomics Theory and Application – I
6	EDH 137-T	History: Indian history-1206 A.D. to 1761 A.D.
7	EDH 137-P	History: Indian history-1206 A.D. to 1761 A.D.
8	EDH 139-T	Economics: Microeconomics Theory and Application – II
9	EDH139-P	Economics: Microeconomics Theory and Application – II
10	EDS103	Creating An Inclusive Classroom
11	EDS 134	Communicative English-II
12	EDH 226-T	History: Ancient Western Civilization
13	EDH 226-P	History: Ancient Western Civilization
14	EDH 210-T	History: Indian History 1757 – 1857 A.D.
15	EDH 211-T	English: Romanticism and The Victorian Period
16	EDH 216-T	Knowledge and Curriculum
17	EDH 230-T	History: National movement (1857 – 1947 A.D)
18	EDH 230-P	History: National movement (1857 – 1947 A.D)
19	EDS227	School Organization & Management
20	MOOC-18E-EDS-204	Principles of Management/ PRINCIPLES OF MANAGEMENT (MOOC EDS 2010)/ Basics of

		Entrepreneurship
21	EDH 308-T	Economics: Indian Economy
22	EDH 308-P	Economics: Indian Economy
23	EDH 318-T	Economics: International Economy
24	EDH 318-P	Economics: International Economy
25	EDH108-T	Pedagogy-I (Social Sciences)
26	EDH 408-T	Economics: Money and Banking
27	EDH 408-P	Economics: Money and Banking
28	EDH127-T	Pedagogy-II (English)
29	EDH127-P	Pedagogy-II (English)
30	EDW104	Reading And Reflection On Texts

The proposed revision suggested by Department for various courses is based on the feedback received from the Professionals and Faculty and are approved by BoS of the Department. The Council was requested to consider and approve the same.

Decision : Academic Council has considered and approve the same.

16.12 Consideration of change in Program Structure, Syllabus and introduction of Open Electives for specializations of BBA Programs offered by the Dept. of Mgt. & Commerce.

Academic council was informed that the Departments of Management & Commerce has proposed some changes in Program Structure & Syllabus for BBA (EFB / FAA / OM / HCM Programs and also intends to introduce open electives in all the specializations of BBA programs from 2020-21 & 2021-22: The HoD Management made a brief submission on the proposal for information of the Members

The HoD, Mgt. & Commerce explained the changes as follows:

(i). Allied Electives such as **(Applied Psychology, Applied Sociology, Applied Philosophy, Peace & Sustainability, Intellectual property Rights, Cyber security)** in the V Sem. of BBA program to be introduced from Academic year 2021-22.

(ii). **Visual Basic Applied** is proposed to be replaced by **Website designing** in Sem V from Academic year 2021-22, as suggested by the Subject Experts.

(iii). Online courses were offered on platforms like Coursera / Udemy / NPTEL in lieu of internships that students are required to undertake in 4th & 6th Semesters of BBA

specialization during 2020-21 due to pandemic situation. The same is proposed to be offered again in 2021-22 depending upon the pandemic situation.

(iv). 10 months of internship offered to BBA (4th & 6th Sem.)(HCM/OM/EFB) students with 06 Credits for 4th Semester and 08 Credits for 6th semester from the academic year 2020-21 onwards.

(v). Minor changes in the syllabus and course delivery pedagogies of IT subjects (CIS, MIS, Advance Excel, RD-BMS & Google Suits) offered in BBA Courses.

(vi). Departments proposed the changes in the syllabus of 12 subjects offered in BBA specializations and course objectives have been revised. These have been approved by the BoS of the Faculty of Mgt. & Com.

(vii). Some subject have been rearranged within Semesters, introduced and combined as per the feedback from industry experts.

Academic Council was requested to consider and approve the same.

Decision: The Academic Council approved the same.

16.13 Approval of program structure & syllabus for 1st Semester of BBA Business Analytics program introduced from the Academic year 2021-22.

Academic Council was informed that, in its previous meeting, the council had approved the introduction of new specialization under BBA Program i.e. BBA Business Analytics with intake 30 from the academic session 2021-22. Now, the department has proposed the program structure for all the six semesters and syllabus of First semester, duly recommended by the BOS for consideration and approval of the Academic Council. A brief submission on it was made by the Dean, Management & Commerce. The members were requested to approve the proposal of the department.

Decision: Academic Council approved the program structure for all six semesters & syllabus for 1st Semester of BBA Business Analytics program.

16.14 Introduction of 4 Year BBA-MBA Program in Peace and Sustainability Management.

The Academic Council was informed that the Department of Management & Commerce has proposed to introduce 4 year BBA-MBA in Peace and Sustainability Management program with intake 30 from the Academic Session 2022-23.The Dean, Mgt. & Com. was requested to apprise the Members with the purpose and objective of this program, which is given as under:

The Program will be offered with intake 30 and shall have multiple Exit Options. The student shall have the option/choice to exist from the program. In case a student leaves the program, the Course Certificate will be will be awarded after completion of One

year, Diploma after completion of 2 Years, Bachelor Degree after Completion of 3 Year and Master's Degree after completion of the complete duration of the Program.

The program will cover the following broad areas:

> Sustainability challenges & opportunities (Regional Context)
> Leadership for Action & Inclusive Peace
> Regulatory Environment & International Policy towards Peace Goals
> Production & Consumption Goals towards Sustainability & Peace
> Design, Technology & Planning for Sustainability
> Communication & Marketing towards Sustainable Strategy, Peace & Profitability
> Allocation, Collaboration & Partnership towards Sustainability
> Rewriting your business approach for achieving peace & sustainability

Some of the Hon'ble members were of the view that duration of the program after plus two must be five years and hence, advised to have a relook and then finalize. The Dean, Academic, apprised that some private universities are offering such kind of integrated Master program with lesser duration. After detailed deliberation, the Members recommended the same for approval of the Board of Management with the above suggestion.

Decision: Academic Council recommended the proposal for approval of the Board with the advice to reconsider the duration of the program as per norms of the UGC for award of Master Degree.

16.15 Approval of Scheme and Syllabus for B. Tech Electronics and Communication Engineering up to Fourth Semester proposed to be offered from academic Session 2021-22.

Academic Council was informed that the University Started offering B. Tech Degree in Electronics & Computer Engineering from 2018, but looking at the interest of students in Core stream during admissions, the department has proposed to offer the Program B.Tech. Electronics & Communication Engineering. Accordingly, University applied for change of program to AICTE while seeking Extension of approval (EoA) for the academic year 2021-22.

The department has therefore, proposed some changes in the existing B. Tech program structure and has also revised its scheme. Presently, Scheme and syllabus for the first two years of the program submitted for considerqtion of AC with due concurrence of the Bos and BoF of the Faculty of Engineering..

The HoD, ECE briefed the Members about the proposed scheme and syllabus for first two years for B.Tech. Electronics & Communication Engineering. After detailed deliberation,Academic Council approved the same.

Decision: Academic Council approved the Scheme and Syllabus for B. Tech Electronics and Communication Engineering up to Fourth Semester, proposed to be offered from academic Session 2021-22.

16.16 Approval for the minor revisions in the course content of Wireless Sensor Network (Elective) Offered to students pursuing B. Tech Program.

It was informed to the Academic Council that the Department of ECE, which is offering the course to all B.tech students,while reviewing the syllabus of Wireless Sensor Network observed that many topics like Security requirements; Routing protocols, Power Energy-Management also required to be added. The list of practicals are also required to be redesigned as per the applications covered in the theory. Therefore, the Department proposed the revised syllabus of theory and lab for WSN, with the approval of their BoS & BoF for consideration of the Academic Council.

Decision: Academic Council approved the same.

16.17 Consideration of minor revisions in the course content of some of the Courses offered in B.Tech. Computer Science and Engineering Programme

Academic Council was informed that the Department of Computer Science and Technology has proposed some revision in course contents for some of the courses offered to B.Tech. & M.Tech. Programmes as per feedback received from Faculty members delivering the course, Alumni feedback obtained on curriculum and from Industry experts. The Dean, Faculty of Engineering presented a brief on it to the Academic Council for information as under:

B.TECH. CSE

(a) **Changes proposed in curriculum for both the specializations Artificial Intelligence & Machine Learning and Cloud DevOps & Automation of the Programs in consultation with knowledge partners:**

✓ The course **DevOps & Test Automation** to be renamed as **Version Control & Automation** for CDA Specialization offered in 5th Semester with some revision in the syllabus.

✓ The course **Internet of Things** to be replaced with **Continuous Integration and Continuous Delivery** for CDA Specialization offered in 7th Semester.

✓ **Course on Computer Vision & Data Visualization** already covers almost every topic of **Image Processing;** therefore, the course on **Image Processing is proposed to be replaced with Computer Graphics & Multimedia** for AIML specialization in 7th semester.

(b) **The Curriculum of following existing courses for 2019 Batch onwards have been updated based on the feedback received from faculty delivering the**

courses which are duly deliberated and approved by the BoS / BoF of the Faculty of Engineering.

✓ **Data Structures & Algorithms:** Euler graph, Hamiltonian graphs as already being covered in Discrete Mathematics Course have been deleted.

✓ **Green Computing:**

In **Section A, Online Content on the Carbon Footprint Calculator is added as it has** become an essential part of impact analysis of a product on the environment.

In **Section C,** topic on **Ethics of Green Computing in Daily Life is added to** understand the ethical and moral reason of why green computing is essential in today's life.

In **Section D, topics like, Green Computing in Ancient India, Balance of life in Indian villages with nature, use of biomass as fuel, no electricity; devices made of natural materials, absence of e-waste have been incorporated to** understand how ancient India and the people of India maintained a balance with nature in spite of using devices of various types.

Also topics on **Applications of Green Computing: Energy Efficiency of algorithms, Green Networks, Green Cloud Computing, Green Internet of Things, Green Artificial Intelligence, Relevance to Industry 4.0 have been added to** understand where and how green computing can be applied in real life and its relevance to current and future industries.

✓ **Data Visualization using Tableau**

Course has been proposed in workshop mode in Semester 6. This course will be offered in collaboration with Tableau and faculty will get proper training in Tableau from AICTE.

(c) **Based on feedback received from the Alumni, following courses have been introduced in elective basket:**

✓ Image Editing & Animation to be offered in workshop mode in 6th Semester

✓ Introduction to Blockchain Technology as a hard elective in 8th Sem for 2K18 batch and in 7th Sem for 2K19 batch onwards.

✓ Core Java and Advance Java course syllabi updated as per alumni suggestions.

(d) **New courses proposed to be introduced for 2019 Batch onwards, in 7th semester Electives Basket based on the feedback of existing students obtained on the curriculum:**

(i) Digital Marketing

(ii) E-Commerce
(iii) Entrepreneurial Finance for Engineers

(e) List of MOOCs to be offered in the elective basket of domain electives / allied electives in addition to existing courses in 5th & 7th Semester.

(f) Consideration of minor revisions in the course content of some of the Courses offered in M.Tech. Computer Engineering Program

The department has proposed to offer Data Science in 2nd Semester and Machine Learning in 3rd Semester of M.Tech. CE, Program which is currently in reversed order. Accordingly, Program structure was reoriented with minor changes in some of the topics. BoS / BoF have concurred with the proposal and recommended it to place before the Academic Council. After detailed deliberation, Academic Council approved the same.

Decision: Academic Council approved the proposal

16.18 Consideration of Assessment Parameters and its rubrics for introducing project based learning

Dean, Faculty of Engineering, apprised the Academic Council that the Faculty of Engineering is planning to offer few courses in Project Based Learning mode from the AY 2021-22. All the three Departments (CST, ME & ECE) under Faculty of Engineering will offer at least one course in every semester in **PBL mode**.

For such courses, there will be classroom delivery to cover the fundamental concepts related to course and students would be required to work on a project in a team comprising of 3-4 members. These projects would be based on the respective subject that is being offered in PBL mode and preferably on the current societal needs. While working on the project, students are expected to apply the knowledge of all the subjects they have studied till now or studying during that semester.

Course with L-T-P structure of 3-1-2 or 3-0-2 will be offered in PBL mode. Such courses will be evaluated in five stages as mentioned below:

Stage	Timeline	Weightage	Rubrics
Stage I: Ideation)	After 2 weeks from the commencement of Semester	10%	1. Presentation (5%): Introducing Problem statement, Objectives of Project Activity & Identification of Team members responsibility. 2. MCQ/Quiz/Group Discussion/Class Test based on modules covered till date (5%)
Stage II: Analysis	During 5th to 6th Week	15%	1. Presentation (10%): Literature review, Technology & tool identified

			for solving the problem, Knowledge acquired related to project. 2. MCQ/Quiz/Group Discussion/Class Test/Home assignment based on modules covered till date (5%)
Stage III: Design	During 10th to 11th Week	20%	1. Presentation (15%): Review the progress in project till design stage and their performance in the question answer session. 2. MCQ/Quiz/Group Discussion/Class Test/Home assignment based on modules covered till date (5%)
Stage IV: Development	During 15th to 16th Week	25%	1. Presentation (20%): Review the progress in project till development stage as per problem statement and their performance in the question answer session. 2. MCQ/Quiz/Group Discussion/Class Test/Home assignment based on modules covered till date (5%)
Stage V: Testing & Integration	End of Semester (During PT3)	30%	1. Presentation (20%): Review the realization of project as per problem statement. Evaluate the performance through its testing and integration. Evaluate the documentation & report submitted. Assess based on quality of work, its timely completion and their performance in the question answer session. 2. MCQ/Quiz/Group Discussion/Class Test/Home assignment based on modules covered till date (10%)
Total		**100%**	

Note:

(i). No student shall be awarded excellent grade **O** until or unless a candidate has cumulative score of approximately 80% in all the stages of project evaluation and his/her team has either filed provisional patent application or participated in national/ international project competition or participated in conference or the project covers the multidisciplinary aspect.

(ii). At every stage the team member would be asked to give feedback of co-team members based on their participation and attainment of project objectives as per pre allocated task.

Academic council was requested to approve the Assessment Scheme and its proposed rubrics for introducing project based learning.

Decision: The Academic Council approved the proposal of the Department.

16.19 Any other item with permission of Chair

(i). Passing criteria for courses registered on NPTEL

Dean, Academic informed the Members that as per NPTEL policy, a candidate will be evaluated for **final certification** of the course registered as per following guidelines:

— 25% weightage to the assignment scores which will be considered as average of the best 8 assignments out of the total 12 assignments given in the course.

— 75% weightage to the score of the proctored certification exam score out of 100

Candidate will receive the NPTEL certification only if he/she is scoring 40% marks in Assignment and exam score respectively. **If one of the 2 criteria is not met, candidate will not get the certificate even if the Final score ≥ 40/100.**
As per NPTEL regulations mentioned on page 10 in NPTEL booklet (regarding recommendation for credit transfer in universities), it has been suggested that university can keep its own cutoff of marks for NPTEL courses, which has been set higher.

Therefore, it has been proposed to keep 40% as the university cutoff for the marks obtained in NPTEL exam.

Decision: Academic Council approved the same.

(ii).Proposal of the Department of Mathematics.

The Dept. of Mathematics has introduced new courses Career Skills-I, Career Skills-II & Career Skills-III in IV, V & VI Semesters respectively in B.Sc. (H) Mathematics from the session January-2021. The objective is to enhance the employability skills and help students imbibe more practical skills.

The Department also proposed Syllabus of Ph.D. Area specific course Convexity and Operations Research (MAN804) and also minor revision in the syllabi of some of the Mathematics courses offered in B.Sc.(H) Mathematics program, M.Sc. Mathematics Program, B.Sc. B.Ed. Program & B. Tech. Program were done as per the feedback received from the faculty members. A detailed presentation about the changes was made before the Academic Council for its approval.

Following changes in courses were proposed:
B.Sc. (H) Mathematics Program

- **Ordinary Differential Equations (MAH112B)** – Topics were restructured in the syllabus.
- **Integral Transforms & Applications (MAH213B):** Applications of Fourier transforms added in Section C.
- **MATHS LAB –II (MAH114B)** : Statistics module added in lab exercises (25% change)

M.Sc. Mathematics Program

- **Complex Analysis (MAH508B):** The syllabus was restructured and few new topics were added in section A.
- **Coding Theory (MAH625B):** Topics are rearranged for proper progression of topics.
- **Operations Research (MAH604B):** Section A, B & D: Topics like OR model, Graphical method with cases, Degeneracy, Alternate optimal solution, Integer programming, Gomory's Fractional cut method, Mixed Integer programming, Graphical method for sequencing, Matrix method were included. Overall 25 % change.

- **Advanced Operations Research (MAH614B):** Topics like Dynamic programming, post optimal analysis, non – liner programming with KKT condition etc. for wide range of application in optimization techniques included across the syllabus. Overall 25% change.

B. Tech. Program

- **Mathematics – III (PDE, Numerical Methods, probability and Statistics)** – Section A: second order PDE removed and applications were specified. Section C & D were restructured. No new topics added.
- **Discrete Mathematics Lab (MAH104P):** Lab exercises modified and Mini Project introduced.

B.Sc. B.Ed. Program

- **Group Theory (MAH351T & P) in B.Sc. B.Ed.** : Group Theory Lab: Lab exercises redesigned. LaTeX included in the syllabus to help students in writing future project & research work.

Decision: Academic Council approved the same.

(iii) Consideration of Courses focusing on Employability/Entrepreneurship/Skill Development

Dean Academic MRU apprised to the Board about the myriad courses which equips students with Employability, entrepreneurship & other skills set required in today's globalized world, offered across all the programs which the University intends to introduce across all the programs offered by the Academic Departments. The Board deliberatively discussed the same unanimously approved the same.

Decision: Board approved the all the courses focusing on employability/Enterpreneurship/skill Development.

The meeting ended with a vote of thanks to the Chair

SD/-
(Dr. K. Singh)
Registrar/Member Secretary

F.NO. MRU / AC (A&M) / Vol. IV / 2018/

Dated 06.08.2021

Copy To,

(1)   PS to Chancellor for kind information to Hon'ble Chancellor

(2)   PS to VC for kind information to Hon'ble Vice Chancellor

(3)   PS to VP, MREI for kind information to Hon'ble Vice President

(4)   Prof. V.K. Ahuja, Vice Chancellor, NLU & Judicial Academy, Guwahati

(5)   Prof. S.K. Garg, HOD-ME., Delhi Technological University, Delhi

(6)   Prof. Raj Senani, Professor Emeritus & Former Director, NSIT now, Netaji Subhash University of Technology, Dwarka, Sector-3, New Delhi-110078.

(7)   Prof. Anita Rastogi, Professor, JMI University, Maulana Mohammad Ali Jauhar Marg, Ghaffar Manzil Colony, Jamia Nagar, Okhla, New Delhi, 110025.

(8)   Prof. Kanupriya Sachdeva, Professor, MNIT, , Jawahar Lal Nehru Marg, Jhalana Gram, Malviya Nagar, Jaipur, Rajasthan 302017.

(9)   Prof. Devender Kumar, Professor, Delhi Technological University, Bawana Rd, Delhi Technological University, Shahbad Daulatpur Village, Rohini, Delhi, 110042

(10)   Prof. M.L. Singla, Professor, Faculty of Management Studies, Delhi University

(11)   Prof. Vikram Goel, Professor, Comp. Sci. & Engg, IIIT-Delhi

(12)   Prof. Sangita Kansal, Professor, Department of Applied Mathematics, DTU

(13)   Prof. Sangita Banga, Dean Academics

(14)   Prof. Pradeep Kumar Varshney, Dean, Research & Applied Sciences

(15)   Prof. Parul Jhajharia, Dean, Management and Humanities

(16)   Prof. Shruti Vashisht, Dean Student Welfare & HoD, ECE.

(17)   Dr. Babita Parashar, Dean Education

(18)   Dr. Versha Vahini, Associate Dean & HoD, Law

(19)   Prof.(Dr) Geeta Thakur, Head, Academic Staff Leadership Institute(ASLI) Special Invitee

(20)   Ms. Hanu Bhardwaj, HoD, Computer Science & Engineering

(21)   Dr. Deepa Arora, HoD, Mathematics

(22)   Dr. Sujata Nayak, HoD, Mechanical Engg.

(23)   Dr. Rashee Singh, HoD, Education.

(24)   Dr. SK Shukla, HOD, Chemistry

(25)   Dr. Jai Praksh, HOD, Physics

(26)   Dr. Pragati Chauhan, HoD, Management

(27)   Prof. Jyoti Pruthi, Professor, CSE

(28)   Dr. Hardeo Thakur, Assoc. Professor, CSE

(29)   Dr. S.K. Bose, Assoc. Professor, Law

(30)   Dr. Subodh Saluja, Assoc Prof, Management

(31)   Dr. Megha Mittal, Assoc Prof., Chemistry

(32)   Dr. Charu Pathak, Assoc. Prof., ECE

(33)   Shri. Joginder Singh, Assoc. Professor, M.E.

(34)   Dr. Savita Sharma, Asst. Professor, Education

Serial No.: 17/FMC/BBA/063

Univ Regn No.: MRUMCUN012K170234

MANAV RACHNA
UNIVERSITY ↗

MANAV RACHNA
vidyanatariksha

Declared as State Private University vide Haryana Act 26 of 2014

प्रमाणित किया जाता है कि

आकाश कानन आत्मज्/आत्मजा वेंकटेश कानन

विद्यार्थी **फैकल्टी ऑफ़ मैनेजमेंट एंड कामर्स** को इस विश्वविद्यालय

द्वारा आयोजित तत्सम्बन्धी परीक्षा उत्तीर्ण कर लेने के उपरान्त

बैचलर ऑफ़ बिज़नस एडमिनिस्ट्रेशन (एंटरप्रेन्योरशिप फैमिली बिज़नेस)

की उपाधि प्रदान की जाती है।

उन्होनें 10–अंक परिमाण पर **6.33** का सी.जी.पी.ए. प्राप्त किया है।

श्रेणी : प्रथम

This is to certify that Akash Kannan

Son/Daughter of Venkatesh Kannan

a student of the Faculty of Management & Commerce is hereby awarded the degree of

Bachelor of Business Administration (Entrepreneurship & Family Business)

on having passed the Examination

for the said degree with

CGPA of 6.33 on 10 - point scale.

Class : First

(Given under the seal of the University)

कुलपति
Vice-Chancellor

कुलाधिपति
Chancellor

कुलसचिव
Registrar

फरीदाबाद (हरियाणा, भारत), 15 अप्रैल, 2021
Faridabad (Haryana, India), 15 April, 2021

Registrar
FARIDABAD

Prepared by _____

Checked by _____

MANAV RACHNA UNIVERSITY

MANAV RACHNA
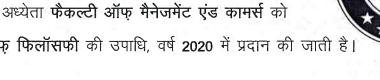*vidyanatariksha*

Declared as State Private University vide Haryana Act 26 of 2014

प्रमाणित किया जाता है कि

जयदीप सिंह आत्मज/आत्मजा दिवाकर सिंह

अध्येता **फैकल्टी ऑफ़ मैनेजमेंट एंड कामर्स** को

डॉक्टर ऑफ़ फिलॉसफी की उपाधि, वर्ष **2020** में प्रदान की जाती है।

शोध शीर्षक :

"ए स्टडी ऑफ एनटेसीडेंट्स ऑफ एंप्लॉयी सटिस्फैकन एंड इट्स लिंकेजस विद कस्टमर डिलाइट इन सेलेक्ट इंडियन हॉस्पिटालिटी इंडस्ट्री"

This is to certify that *Jaideep Singh*

Son/Daughter of *Diwakar Singh*

a student of the *Faculty of Management & Commerce* is hereby awarded the degree of

Doctor of Philosophy, in the year *2020*.

Thesis title:

" *A Study of Antecedents of Employee Satisfaction and its Linkages with Customer Delight in Select Indian Hospitality Industry* "

(Given under the seal of the University)

कुलपति
Vice-Chancellor

कुलसचिव
Registrar

फरीदाबाद (हरियाणा, भारत), 21 जनवरी, 2021
Faridabad (Haryana, India), 21.01.2021

कुलाधिपति
Chancellor

Prepared by _____

Checked by _____

MANAV RACHNA UNIVERSITY
MRU Campus: Sector-43, Delhi-Surajkund Road, Faridabad
E-mail: dycoe@mru.edu.in URL: www.mru.edu.in

MANAV RACHNA UNIVERSITY ↗

MANAV RACHNA Vidyanatariksha

Declared as State Private University vide Haryana Act 26 of 2014

With full honour confers upon

Shri Harvind Kumar Batra

The Degree of

Doctor of Philosophy (Ph.D.)

Honoris Causa

With all its rights and privileges, in witness whereof
the seal of the University is hereunto affixed
Given on this 21st day of January, 2021

(Given under the seal of the University)

कुलपति
Vice-Chancellor

कुलसचिव
Registrar

फरीदाबाद (हरियाणा, भारत),
Faridabad (Haryana, India),

कुलाधिपति
Chancellor

Prepared by _____

Checked by _____

APPENDIX OF CHAPTER 10 OF MRU (ACADEMIC) REGULATION, 2020.

In exercise of the power conferred vide section 34 of the Haryana Private Universities Act,2006 and amended from time to time, Board of Management of the University hereby makes the following provisions as appendix which shall constitute part of the Chapter 10 (Doctor of Philosophy, Ph.D.) - MRU (ACADEMIC), Regulation, 2020.

(1) Short Title, Application and Commencement

(a) This shall be called as appendix to Chapter 10 (Doctor of Philosophy, Ph.D.) of Manav Rachna University (Academic), Regulation, 2020

(b) This shall apply to all the students enrolled in Ph.D program of the University.

(c) This shall come in force from the date of approval of the Board of Management.

(2) Definition

Words and expressions used, but not defined, in these appendix shall have the meanings assigned to them in the Act, the Statutes, Ordinances and Academic Regulations of the University.

(3) Annotation of Clauses

(i). Para 1 of Clause 9: Comprehensive Review

On successful completion of the Course work, a candidate shall be required to present his/her short synopsis to SRC, which after being satisfied, will recommend the Research Proposal of the Candidate to DRC for consideration and approval.

(ii).Clause 15: Performance Monitoring

After approval of the short synopsis by DRC, the Research progress of the candidate shall be monitored by SRC and Performance Evaluation Report of SRC shall be submitted to the DRC in its meeting for acceptance/suggestions for improvement.

Note:

➢ The decisions, as above, will be required to be taken in meeting of SRC/DRC by inviting all the members (Internal & External) on a specified date and time.

➢ The suggestions / observations made by the members during the meeting need to be duly minuted in the minutes of the meeting, monitored in the next meetings while reviewing the research progress and based on it, SRC/DRC Chairperson may write their remarks on the research progress report submitted by the candidate, as prescribed and take further action as required.

➢ The minutes of the meeting of the committees (SRC/DRC), shall be required to be circulated to all the members of the committee irrespective their presence for their comments /observations and kept on record by the Chairperson of the SRC /DRC.

➢ Chairperson DRC, shall decide whether meeting of the Committee is to be convened for a day or two consecutive days, depending upon the number of candidates, who will be presenting their progress report for evaluation by the Committee with prior approval of the Competent Authority.

(iii). Clause 16: Pre-submission Seminar

    (a) Reference to publications in <u>refereed/ indexed journals</u> as required under above clause, the candidate should refer UGC-CARE research publications listed in **"Group-II i.e. Indexed Journal".**

    (b) Any research publication under the Category **"Group-I i.e. Non Indexed Journal"** shall require prior approval of the University.

(iv). Clause 17: Long Synopsis and Thesis Evaluation

    (a) <u>**Sub Clause (iii)**</u>

— In case, DRC, Chairperson or Members of the Committee is/are Supervisors/Co-Supervisor for Candidate(s) presenting their long synopsis then the Chairperson for the DRC will be nominated, by the Vice Chancellor on the recommendation of the Dean, Research, who will be informed by the DRC Chairperson.

— If any external expert is member of the DRC and Co-Supervisor for any candidate, who is presenting his/her long synopsis before the committee, such external expert shall be substituted with another expert member nominated by the Vice Chancellor for that particular meeting of DRC, on the recommendation of the Dean, Research, who will be informed by the DRC Chairperson.

— The above procedure will be followed in other similarly situated cases.

    (b) <u>**Sub Clause (iv) & (v) Panel of Examiners**</u>

— SRC, shall recommend the name of 8-10 experts who are holding the positions of Professor or Scientist (Scientist-F, Scientist-G) or Industry Person equivalent to Professor, from the relevant field to the DRC for preparing a panel of examiners comprising five members as prescribed under regulation.

For Manav Rachna University

SD-

Registrar