Manav Rachna University

(Formerly Manav Rachna College of Engineering)

Faridabad

MINUTES

OF ELEVENTH MEETING

OF

ACADEMIC COUNCIL

Dated: 23.07.2019

MINUTES OF ELEVENTH MEETING OF THE ACADEMIC COUNCIL OF MANAV RACHNA UNIVERSITY HELD ON TUESDAY, DATED 23.07.2019 AT 11:00 AM IN THE HG-14, H-BLOCK, MRU, SECTOR 43, DELHI SURAJKUND ROAD, FARIDABAD.

A meeting of the Academic Council was held on Tuesday, Dated 23.07.2019 in the Board Room, H- Block, MR Campus, Faridabad.

The following were present:

1)   Prof. (Dr.) I.K. Bhat, Hon'ble Vice Chancellor / Chairman.
2)   Prof. (Dr.) Anita Rastogi, Professor, JMI, New Delhi.
3)   Prof. (Dr.) Devender Kumar, Professor, Delhi Technological University, Delhi.
4)   Shri Pradeep Kumar, Head-Channel Sales, Altair Engineering
5)   Prof. (Dr.) Sangeeta Banga, Dean,Academics
6)   Prof. (Dr.) Shruti Vashisht, Dean, Students Welfare & HoD, ECE.
7)   Prof (Dr.) Pradeep Kumar Varshney, Dean, Research
8)   Prof. (Dr.) Parul Jhajharia, Dean, Management
9)   Dr. Babita Parashar, Dean, Education
10) Shri. Jaideep Singh, Director, Industry Interaction
11) Ms. Hanu Bhardwaj, HoD, Computer Science & Engineering
12) Prof. (Dr.) Sujata Nayak, HoD, Mechanical Engg.
13) Dr. Jai Prakash, HOD, Physics
14) Dr. S.K. Shukla, HOD, Chemistry
15) Dr. Rashee Singh, HoD, Education.
16) Dr. Deepa Arora, HoD, Mathematics
17) Prof. (Dr.) Versha Vahini, HoD, Law
18) Prof. (Dr.) A. K Gupta, Professor, Chemistry
19) Prof. (Dr.) D.K. Sharma, Professor, Physics
20) Prof. (Dr). Sushmita Ray, Professor, CSE
21) Ms. Meena Kapahi, Assoc. Professor, Chemistry
22) Dr. Jyoti Pruthi, Assoc. Professor, CSE.
23) Dr. Jai Prakash, Assoc. Professor, Physics
24)   Dr. K.Singh, Registrar/Member Secretary

Prof.(Dr.) S. K. Garg, Pro Vice Chancellor, Delhi Technological University, Delhi , Prof. (Dr).Reetesh Kumar Singh, Professor, Dept. of Com., Delhi School of Economics, Prof.(Dr.) Raj Senani, Professor Emeritus, Netaji Subhash University of Technology, Prof.(Dr.) G.S. Bajpayee, Professor & Registrar, National Law University, Delhi, Dr.S.K. Goel, Executive Director, Star wires (India) Ltd. Faridabad., Shri Ajay Kabra, Sr. Director - Agile Transformation, Xebia India, Prof. Kanupriya Sachdeva, Professor, MNIT, Jaipur, Dr. Pilli Emmmanuel Shubhakar, Associate Professor, MNIT, Jaipur, Dr. Pragati Chauhan, Assoc. Professor, Management and Prof. (Dr) Jose P. Varghese, Professor Emeritus, Dept. Of Law could

not attend the meeting due to their other professional engagements. They were granted leave of absence by the Chair.

The following are the minutes of the meeting:

Registrar welcomed the Members present in the meeting and requested them to rise for National Anthem. Meeting of the Council formally started after singing National Anthem

Registrar then, introduced Shri Predeep Kumar, Head-Channel Sales, Altair Engineering, who attended the meeting of the Academic Council for the first time, Prof. (Dr.) Anita Rastogi, Professor, JMI, New Delhi. and Prof. Devender Kumar, Professor, Delhi Technological University, Delhi and other members and requested the Vice Chancellor to open the meeting with his brief remarks.

11.1 Opening Remarks by the Chairman

The Chairman/Vice Chancellor, at the outset, greeted the members present in the meeting. He extended special welcome to Shri Pradeep Kumar, Head-Channel Sales, Altair Engineering and said his vast industry experience will enrich the Council and help in decision making.

The Chairman then informed that, as per Times Engineering Survey, 2019, Manav Rachna University is declared among the Top 3 emerging Engineering Institutes of the country. It is also the second most promising and emerging institute for Placement and Research Capabilities. He further said that admission process for the session 2019-20 is going on, 384 admissions have been made in all the programs till July 22, 2019. Three weeks induction program for the new entrants admitted in all the UG Programs was conducted by the University from July 08 to July 22, 2019. He congratulated the Dean, SW and the team of faculty members involved in organizing the orientation program for successfully conducting of the same and wishes the best in their Endeavour.

He then apprised the Council that University has signed an MoU with Altair Engg.and Design Tech.(Authorised partner of Altair Engg,) in the area of Design Analysis and simulation. Recently, 11 faculty members (8 from MRU and 3 from MRIIRS) have undergone training in Phase- I on this software. He further said that 19 faculty members in different disciplines (4 from CSE, 3 in Education, 1 in Humanities, 6 in Law and 5 in Management) have joined the University during the period of last three months. With the faculty additions in the above areas, the academic departments shall be further strengthen and would be able to boost their academics.

The Chairman then talked about the placement of the students which took place during the year 2019. He apprised that 49 students from CSE, 5 from ECE and 18 from Mechanical Engineering have been placed so far (salary package minimum 3.0 lakh per annum and maximum 12-1 lakh) The placement process for batch 2020 has also been

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initiated, 5 students have got placed with IBM as of Security Analyst Intern with package of 3 lakh per annum.

The Chairman further mentioned that a three days Faculty Development Program on Teaching Pedagogies was conducted for Deans & HoDs of the university during the period from 13th to 15th March, 2019. It included training on Role of faculty in building Quality University, Programme Objectives, Blooms taxonomy and setting of question paper, Active Learning including Cooperatives Learning, etc. With these words he concluded his remarks and requested Registrar to take up the Agenda for deliberation. The Registrar took up the Agenda one by one as under.

11.2 Confirmation of the Minutes of the Tenth Meeting of the Academic Council held on 22.04.2019.

Hon'ble Members of the Council were informed that Minutes of the Tenth Meeting of the Council, held on 22.04.2019, were circulated to all the members vide email dated 05.05.2019, no comments were received from any of the members. The Council was requested to confirm the Minutes.

Decision: Academic Council approved the Minutes of the Tenth Meeting.

11.3 Action Taken Report on the decisions taken in the Tenth Meeting of the Academic Council.

Action Taken Report on the decisions taken by the AC in the last meeting was reported for information of the Hon'ble members. Council was apprised about the following items pertaining to approval of program structure and syllabus taken as Agenda No. the 10th meeting held on 22.04.2019 and presented the approved program structure & syllabus of respective programs with the request to permit the same to be on record along with all others items.
Academic Council accepted the same and took on record.

a) Program structure for B.Sc. (Hons) and M.Sc. in Physics, Chemistry and Mathematics.
b) Program structure and syllabus for B. Tech. Electronics and Communication Engineering.

Decision: Academic Council took the Action Taken Report on record. A copy of the program structure/syllabus for the following programs/specialization are annexed as Annexure No-I

11.4 Matter for Information

Academic Council was apprised of the information/progress on the following poins and requested to take all the information on record.

(i) MOU Signed with M/s Altair Engineering Ltd. for establishing Altair Centre of Excellence and some major expected outcome.

(ii) Signing of MOUs with various Institution/Organisation for academic development.

    (a) MoU between Manav Rachna University and Foundation for Glocal Science Initiatives (FGSI).

    (b)MoU between Manav Rachna University and Atal Incubation Centre-Birla Institute of Management and Technology (BIMTECH), Greater Noida.

    (c) MOU between Manav Rachna University and Vivek International

    (D) MOU between Manav Rachna University and Sahai for IOT Lab.

(iii) Constitution of Institutional Student Grievance Committee (ISGC) and Departmental Student Grievance Redressal Committee (DSGRC) as per provisions under UGC Regulation, 2019.

(iv) Report on the Program Structure and Syllabus of Academic Departments decided to be approved by the Hon'ble VC in the last meeting.

(v) Report regarding ongoing admissions for the Academic Session 2019-20.

(vi) Students and Faculty achievements

(vii) Reconstitution of Board of Studies & Departmental Research Committees of the various departments of the University

Decision: Academic Council took the above information on record.

11.5 Matter of ratification

(i) **Shifting of the Dept. of Humanities under the Faculty of Education and renaming of the Faculties.**

Academic Council was apprised that the Dept of Humanities, which has only two faculty members, has been shifted from the Faculty of Management & Humanities to the Faculty of Education and both the Faculties have now been renamed as Faculty of Management and Commerce and Faculty of Education and Humanities respectively.

(ii)   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.

It was informed that University has permitted to round off 0.5 & above as 1 (one) in the aggregate marks, provided as an eligibility criteria for admission in the UG, PG Programs for the Academic Session 2019-20 with the approval of the Competent Authority.

(iii)   Revision in the eligibility criterion for B. Tech., CSE, BBA (F&A) and B.Tech. M.E. with specialization in Smart Manufacturing & Automation

It was apprised that the eligibility criteria for the above three programs were modified as follows to facilitate candidates to join the programs.

1. B. Tech (CSE) and BBA (F&A): 55% in aggregate.
2. B.Tech (ME) with specialization SM & A : 50% in aggregate.

(iv)   Relaxation to SC, ST & OBC Candidates

The Council was informed that University has provided 5% relaxation to SC, ST candidates and 3% relaxation to OBC Candidates as per Govt. Norms in admissions to all the UG, PG & Ph.D. Programs during the Academic Year 2019-20. The candidates belonging to Single Girl Child, Sports, Ward of Defense Personnel/Para Military Forces (if seats are available) are also considered for relaxation upto maximum of 5% on case to case basis. Academic Council was requested to ratify the above action of the University as mentioned from Point (I) to (iv).

Decision: Academic Council ratified the action taken by the University.

11.6 Approval of admission policy for the existing UG/PG Programs to be offered during the Academic Session 2020-21.

Academic Council was informed that University has been currently offering 19 UG & 07 PG Programs in different disciplines. These programs are continued to be offered in the Academic Year 2020-21 with minor modifications in the eligibility criteria and nomenclature of some of the programs. The details of all the UG, PG Programs, Intake, Eligibility Criteria and the Criteria for preparation of the merit list as mentioned below were presented before the Council for consideration and approval

TABLE INDICATING PROGRAMMES, INTAKE, ELIGIBILITY AND MERIT CRITERIA.

FACULTY OF ENGINEERING			
S.No.	**Name of the Program**	**Intake**	**Minimum Eligibility Criteria**
BACHELOR OF TECHNOLOGY			
1	B.Tech. CSE & Specializations	240	Pass in 10+2 examination with **at least 55%** marks in aggregate in 5 subjects and eligibility shall be determined on the basis of percentage of aggregate marks in (i) English, Physics & Mathematics and (ii) One subject out of Chemistry, Computer Science, Biology or Biotechnology and (iii) One subject with the highest score out of the remaining subjects.
2	B.Tech. Electronics & Computers Engineering	30	Pass in 10+2 examination with at least 50% marks in aggregate in 5 subjects and eligibility shall be determined on the basis of percentage of aggregate marks in (i) English, Physics & Mathematics and (ii) One subject out of Chemistry, Computer Science, Biology or Biotechnology and (iii) One subject with the highest score out of the remaining subjects.
3	B.Tech. in Mechanical Engineering with specialization in Smart Manufacturing & Automation.	60	Pass in 10+2 examination with at least 50% marks in aggregate in 5 subjects and eligibility shall be determined on the basis of percentage of aggregate marks in i. English, Physics & Mathematics and ii. One subject out of Chemistry, Computer Science, Biology or Biotechnology and iii. One subject with the highest score out of the remaining subjects
Criteria for Preparation of Merit List. : Merit preparation / short listing of candidates shall be on the basis of score in JEE Mains 2020/SAT/Uni Gauge E 2020/MRNAT 2020 / XII Qualifying Examination.			
BACHELOR OF TECHNOLOGY (LATERAL ENTRY)			
S.No.	**Name of the Program**	**Intake**	**Minimum Eligibility Criteria**

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S. No.	Name of the Program	Intake	Minimum Eligibility Criteria
6	B.Tech. CSE & Specializations	12*	50% marks in Diploma in Engineering in any branch/discipline of 3 year duration from State Board of Technical Education, Haryana or equivalent examination or B.Sc. Degree from a recognized University as Defined by UGC, with at least 50 % marks and passed XII standard with Mathematics as a subject
7	B.Tech. ME	3*	
8	B.Tech. Electronics & Computer Engineering.	2*	

*In addition to above, admissions shall also be made against the seats remaining vacant in 1st year of Academic Year 2019-20.

Criteria for Preparation of Merit List. : Merit preparation / short listing of candidates shall be on the basis of score in MRNAT 2020 / Diploma Qualifying Examination.

MASTER OF TECHNOLOGY

S. No.	Name of the Program	Intake	Minimum Eligibility Criteria
9	M.Tech. Computer Engineering	6	Minimum 50% Marks or equivalent CGPA in B.E./B.Tech. in Computer Science & Engineering /Computer Technology / Information Technology / MCA or equivalent.
10	M.Tech. Electronics & Communication Engineering with specialization in Embedded System & VLSI	6	Minimum 50% Marks or equivalent CGPA in B.E./B.Tech in Electronics & Communication Engg. / Telecommunication Engg. / Computer Science & Engineering / Instrumentation & Control Engg./ Electrical & Electronics Engineering / Electrical Engg./Power Electronics or /MCA or M.Sc.-Computer Science/Information Technology / Electronics / Physics / Mathematics as one of the subjects.
11	M.Tech. Mechanical Engineering	6	Minimum 50% Marks or equivalent CGPA in B.E./B.Tech in in any discipline.

Criteria for Preparation of Merit List: Merit preparation / short listing of candidates shall be on the basis of score in GATE/ Graduation Qualifying Examination.

FACULTY OF MANAGEMENT & COMMERCE

S. No.	Name of the Program	Intake	Minimum Eligibility Criteria
BACHELOR IN BUSINESS ADMINISTRATION			

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1	BBA with specialization	90	Pass in 10+2 examination with at least 50% marks in aggregate in 5 subjects. Should have qualified English as a subject.

Criteria for Preparation of Merit List: Merit preparation / short listing of candidates shall be on the basis of score in SAT/ MRNAT/ 10+2 Qualifying Examination.

FACULTY OF APPLIED SCIENCE

S.No.	Name of the Program	Intake	Minimum Eligibility Criteria
1	B.Sc. (Hons.) Chemistry	15	Pass in 10+2 Examination / Equivalent Examination with at least 50% marks in aggregate in 5 subjects out of which 3 subjects English, Physics & Chemistry are mandatory.
2	B.Sc. (Hons.) Mathematics	15	Pass in 10+2 Examination / Equivalent Examination with at least 50% marks in aggregate in 5 subjects out of which 4 subjects Physics, Chemistry, Mathematics and English are mandatory.
3	B.Sc. (Hons.) Physics	15	

Criteria for Preparation of Merit List: Merit preparation / short listing of candidates shall be on the basis of score in SAT/ MRNAT/ 10+2 Qualifying Examination.

MASTER OF SCIENCE

S. No.	Name of the Program	Intake	Minimum Eligibility Criteria
1	M.Sc. Chemistry	10	Pass in B.Sc. with 50% or more marks or B.Sc. (Hons) in relevant subject.
2	M.Sc. Mathematics	10	
3	M.Sc. Physics	10	

Criteria for Preparation of Merit List. : Merit preparation / short listing of candidates shall be on the basis of score in MRNAT / Graduation Qualifying Examination.

FACULTY OF EDUCATION AND HUMANITIES

S. No.	Name of Programme	Intake	Minimum Eligibility Criteria

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1	B.Ed.	50	Pass with 50% or more marks in aggregate in the in Bachelor's degree and/or in Master's Degree in Sciences/Social Sciences/ Humanities, Bachelor's in Engineering or Technology with specialization in Science and Mathematics with 55% marks or any other qualification equivalent thereto.
2	*B.Ed. Special Education	10	Pass with 60% or more marks in aggregate in the in Bachelor's degree and/or in Master's Degree in Sciences/Social Sciences/ Humanities, Bachelor's in Engineering or Technology with specialization in Science and Mathematics with 55% marks or any other qualification equivalent thereto.
3	B.A./B.Sc. B.Ed. Integrated	50	Pass in 10+2 with 50% or more marks in aggregate with English as a subject.

Criteria for Preparation of Merit List.

For B.Ed./B.Ed. (Special Education) : Merit preparation / short listing of candidates shall be on the basis of score in MRNAT 2020 / Graduation Qualifying Examination.

For BA/B.Sc. B.Ed. : Merit preparation / short listing of candidates shall be on the basis of score in SAT/MRNAT 2020 / 10+2 Qualifying Examination.

FACULTY OF LAW

S.No.	Name Of Programme	Intake	Minimum Eligibility Criteria
1	B.A. LLB (Hons.)	60	Pass in 10+2 examination with 50% or more marks in aggregate in 5 subjects. Should have qualified English as a subject.
2	BBA LLB (Hons.)	60	
3	B.Com. LLB (Hons.)	60	
4	LL.M (one year) Regular	20	Pass in LL.B or 5yr Integrated Law course with 50% or more marks in aggregate.

Criteria for Preparation of Merit List:

Integrated LLB (H) : Merit preparation / short listing of candidates shall be on the basis of score in SAT/CLAT/MRNAT 2020 / 10+2 Qualifying Examination.

LLM (One Year) : Merit preparation / short listing of candidates shall be on the basis of score in

MRNAT 2020 / LLB Qualifying Examination.
Note: **Eligibility of candidates (passed with six subjects in 10+2) shall be decided by considering five subjects (Compulsory and best of the remaining) in all the UG programs except B.Tech. Program.**

Academic Council deliberated over the proposal and opined as under:

➤ A new Program B.Tech. with specialization in Cyber Security may be started out of intake of B.Tech. CSE Program from 2020-21 as the demand for cyber security professional shall be more in the coming years.

➤ It was also opined that Mechanical Engineering Department may think of starting a B.Tech Mechanical Engineering with Specialization in E-Transportation or Design Programs which are more relevant and in demand from 2020-21.

➤ It was also opined that some more specialization in Master of Science be started under the Faculty of Applied Sciences. Dean Research was requested to consider and after discussing matter with the Faculty may come up with some new proposals.

Decision: Academic Council approved the Admission Policy of UG, PG Programs for the Academic Session 2020-21.

11.7 Approval of MRU (Consultancy) Rules, 2019.

Academic Council was apprised that the University has prepared MRU (Consultancy) Rules,2019, a fresh in consultation with Dean, Research which shall repeal the earlier Consultancy Rule, 2016 and was requested to consider and recommend the same for approval of the Board. AC after deliberation recommended the same for placing before the Board.

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

11.8 Approval for SWYAM MOOCs Courses to be offered in Odd Semester 2019-20.

Hon'ble Members of the Council were apprised that out of 368 Candidates appeared for MOOCs (Jan – April 2019 exam), 241 students opted the courses for credit transfer remaining appeared in the examination with the purpose of acquiring certificates.

MRU SWAYAM NPTEL Local Chapter secured 92nd Rank in top 100 Local chapters of India and 2nd Rank in Haryana for Jan-April 2019 session.

The Academic Departments have now, identified the MOOCs' to be offered during semester (July-Dec, 2019). The student have to choose them as an elective as prescribed for their Departments for credit transfer to the Examination. The MOOCs are offered as electives in three categories viz Domain, Allied areas and Workshops. The credit earned for these courses shall be integrated with end semester examination (July-Dec, 2019) of the University. List of all such MOOCs' Courses were placed before the council for consideration and approval.

Decision: Academic Council approved the SWYAM MOOCs Courses to be offered in Odd Semester 2019-20.

11.9 Road Map (for next three months).

Academic Council was informed that to prepare itself for accreditation from ABET/ NBA /NAAC as MRU will be eligible for NAAC Accreditation in the year 2020, University has prepared a road map showing the focus areas which will be taken up in two phases during the next three months.

Phase -1 (shall cover)

(i)Enhance Quality of Teaching Learning through Teaching Pedagogy:

- Course Planning & Delivery for outcome based learning latest teaching pedagogies like-
  - Active Learning   Co-operative Learning   Collaborative Teaching
- Preparation of course files:
  - Mapping of CO's with PO's.
  - Course plan must include the teaching pedagogy and assessment method to be used.
  - Regular review of course file.
  - Ensure quality of Q Paper, as per (Bloom's Taxonomy)
  - Feedback and its analysis.
- Students projects for Product Development on Altair System (assessed by Altair & Faculty jointly).

Phase 2 (shall cover)

- **Faculty Development programs on**
  - Faculty trainings on Agile Teaching Methodology
  - Project Based Learning.

- o Assessment through Project Based Learning in a few courses of Xebia programmes (Partial assessment on the basis of Project Based Learning),
  - o FDP on Rubric design and its implementation.
- Submission of Research Proposals to funding bodies.
- Faculty to take up joint research project with National and International collaborators.
- Publishing in quality Journals
- Consultancy
- Student exchange at Foreign Universities for summer school, cultural exchange, short term programs.
- Setting up IoT lab with the support of Altair and Advance Technology (Chandigarh)
- Setting up and upgradation of Labs for Smart Manufacturing & Automation Programme in the area of Micrprocessors, Robotics, Drones, Mechatronics, Advanced 3D printing.
- New UG/PG Programs being planned
  - o Energy and sustainability Cyber-Security, Eplore the possibility of program on E- Transportation-in collaboration with Maruti Suzuki & Metro.

Academic Council took a note of the above for record.

10.10 Any other matter with the permission of Chair.

No item were presented,
The Meeting ended by vote of thanks to the Chair.

F.NO. MRU / AC (A&M) / Vol. III/2018/   **Dated 07.08.2019**

To,
1)   PS to Chancellor for kind information to Hon'ble Chancellor
2)   PS to VP, MREI for kind information to Hon'ble Vice President
3)   PS to VC for kind information to Hon'ble Vice Chancellor, MRU
4)   Prof. (Dr.) Sangita Banga, Dean Academics, MRU
5)   Prof.(Dr.) S.K. Garg, Pro-V.C., Delhi Technological University, Delhi

6) Prof.(Dr.) R.K. Singh, Professor, Dept. of Com., Delhi School of Economics, N.D.
7) Prof.(Dr.) P.K. Bhatnagar, Prof. ECE Dept., University of Delhi, New Delhi.
8) Dr. Vandana Singh, Associate Professor, Dept. of Education, IGNOU, New Delhi
9) Dr. S. K. Goyal ,Executive Director, Star Wire(India) Ltd. & former President, FIA, 21/4 Mathura Road, Ballabhgarh-121004 (Haryana).
10) Prof. (Dr.) Kanwal DP Singh, Dean, Faculty of Law, GGSIP Univ., New Delhi.
11) Prof. (Dr) Shruti Vashisht, Dean Student Welfare & HOD Dept. of ECE.
12) Prof. (Dr.) Parul Jhajharia, Dean & HoD, Faculty of Management and Commerce
13) Dr. Babita Prashar, Dean Education.
14) Ms. Hanu Bhardwaj, HoD, Dept. of Comp. Sci. & Technology.
15) Dr. Sujata Nayak, HoD,Dept. of Mechanical Engg.
16) Dr. Jai Prakash, HOD, Dept. of Physics, MRU
17) Dr. S.K Shukla, HOD, Dept. of Chemistry, MRU
18) Prof. Jaideep Singh, HOD, Dept. of Humanities, MRU
19) Dr. Rashee Singh, HoD, Dept. of Education.
20) Dr. Deepa Arora, HoD, Dept. of Mathematics
21) Dr. Varsha Vahini, HoD, Dept. of Law MRU
22) Prof. (Dr.) A. K Gupta, Professor, Dept. Of Chemistry, MRU
23) Prof. (Dr.) D.K. Sharma, Professor, Dept. of Physics, MRU
24) Ms. Meena Kapahi, Associate Professor, MRU