# SRM INSTITUTE OF SCIENCE AND TECHNOLOGY INTERNAL QUALITY ASSURANCE CELL

#### STRUCTURED FEEDBACK FOR DESIGN AND REVIEW OF SYLLABUS 2020-21

AQAR clause 1.4.1 Structured feedback for design and review of syllabus –year wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of Syllabus

#### **ACADEMIC YEAR 2020-21**

#### 1. 1 STUDENTS- FACULTY OF ENGINEERING AND TECHNOLOGY

1.1 Faculty of Engineering and Technology – Questionnaire	Score in a Scale a of 4
1. Syllabus of Courses (subjects) have equipped me well and because of that I am confident enough to get employed if I apply in the job market.	2.804
2. Syllabus of Courses will help me to go for higher studies or research	2.946
3. There are contents in the curriculum which will enable me to become an entrepreneur if I choose to become one.	2.503
4. Course syllabus provides enough input for the students to help them crack government conducted competitive examinations	2.569
[5.1. I am able to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.]	2.973
[5.2. I am able to identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.]	2.965
[5.3. I am able to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.]	2.859
[5.4. I am able to Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems]	2.956

1.1 Faculty of Engineering and Technology – Questionnaire	Score in a Scale a of 4
[5.5. I am able to Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.]	2.888
[5.6. I am able to Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.]	2.951
[5.7. I am able to Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.]	2.955
[5.8. I am able to Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.]	3.050
[5.9. I am able to Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.]	3.092
[5.10. I am able to Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective]	3.035
[5.11. I am able to Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.]	3.037
[5.12. I am able to Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.]	3.044
My suggestions for changes in the syllabus are duly considered on their merit.	2.787

## 1.2 STUDENTS - FACULTY OF MANAGEMENT

1.2 STUDENTS – MANAGEMENT – Questionnaire	Score on a 4 Point Scale
1. Syllabus of Courses (subjects) have equipped me well and because of that I am confident enough to get employed if I apply in the job market.	3.176
2. Syllabus of Courses will help me to go for higher studies or research	3.048
3. There are contents in the curriculum which will enable me to become an entrepreneur/private practitioner if I choose to become one.	3.008
4. Course syllabus provides enough input for the students to help them crack government conducted competitive examinations	2.744
[5. The course contents have helped me to develop Critical Thinking ability]	3.048
[6. The course contents have enabled me to Effectively Communicate my ideas to others]	3.144
[7. After undergoing the study I am comfortable to interact with my friends, elders and other groups of people in the society]	3.200
[8. The courses have enabled me to be a better citizen understanding my rights and responsibilities]	3.016
[9. I am able to recognize different ethical value systems including my own, understand the moral dimensions of my decisions, and accept responsibility for them]	3.112
[10. Courses have helped me to Understand the issues of environmental contexts and sustainable development]	3.072
[11. I have been able to acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes]	3.048
12. My suggestions for changes in the syllabus are duly considered on their merit.	2.880

## 1.3 STUDENTS MEDICAL AND HEALTH SCIENCES

1.3 STUDENTS -MEDICAL AND HEALTH SCIENCES - Questionnaire	Score on a 4 Point Scale
1. Syllabus of Courses (subjects) have equipped me well and because of that I am confident enough to get employed if I apply in the job market.	3.497
2. Syllabus of Courses will help me to go for higher studies or research	3.516
3. There are contents in the curriculum which will enable me to become an entrepreneur/private practitioner if I choose to become one.	3.382
4. Course syllabus provides enough input for the students to help them crack government conducted competitive examinations	3.325
[5. The course contents have helped me to develop Critical Thinking ability]	3.446
[6. The course contents have enabled me to Effectively Communicate my ideas to others]	3.503
[7. After undergoing the study I am comfortable to interact with my friends, elders and other groups of people in the society]	3.522
[8. The courses have enabled me to be a better citizen understanding my rights and responsibilities]	3.497
[9. I am able to recognize different ethical value systems including my own, understand the moral dimensions of my decisions, and accept responsibility for them]	3.541
[10. Courses have helped me to Understand the issues of environmental contexts and sustainable development]	3.446
[11. I have been able to acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes]	3.497
12. My suggestions for changes in the syllabus are duly considered on their merit.	3.274

## 1.4 STUDENTS- SCIENCE AND HUMANITIES, LAW, AGRICULTURE

1.4 STUDENTS- SCIENCE AND HUMANITIES, LAW, AGRICULTURE – Questionnaire	Score on a 4 Point Scale
1. Syllabus of Courses (subjects) have equipped me well and because of that I am confident enough to get employed if I apply in the job market.	3.017
2. Syllabus of Courses will help me to go for higher studies or research	3.033
3. There are contents in the curriculum which will enable me to become an entrepreneur/private practitioner if I choose to become one.	2.67
4. Course syllabus provides enough input for the students to help them crack government conducted competitive examinations	2.742
[5. The course contents have helped me to develop Critical Thinking ability]	2.917
[6. The course contents have enabled me to Effectively Communicate my ideas to others]	2.883
[7. After undergoing the study I am comfortable to interact with my friends, elders and other groups of people in the society]	2.967
[8. The courses have enabled me to be a better citizen understanding my rights and responsibilities]	2.925
[9. I am able to recognize different ethical value systems including my own, understand the moral dimensions of my decisions, and accept responsibility for them]	3.000
[10. Courses have helped me to Understand the issues of environmental contexts and sustainable development]	3.017
[11. I have been able to acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes]	2.950
12. My suggestions for changes in the syllabus are duly considered on their merit.	2.733

### 2. 1 ALUMNI SURVEY – ENGINEERING AND TECHNOLOGY

Sl. No	2.1 ALUMNI SURVEY – ENGINEERING AND TECHNOLOGY -QUESTIONNAIRE	Score On A 4 Point Scale
1.	[Courses cover recent state of art trends and development]	3.007
2.	[Courses were appropriate in moulding the students towards nation building by inculcating ethical and professional responsibilities]	3.021
3.	[Courses were helpful in developing your skills and knowledge in your domain well in order to compete in employment related activities nationally as well as globally.]	3.007
4.	[Able to understand and appreciate the impact of domain knowledge in social and global contexts and apply the same successfully in arriving at the appropriate solutions.]	3.000
5.	[Aware of the current advancements and innovations in your field and the impact of Information Communication Technology Tools]	2.979
6.	[Knowledge imparted helped me to perform managerial and administrative functions with an ability to think independently and strategically and produce impactful results.]	2.986
7.	[Contents of Curriculum are helpful in organizing myself towards acquiring higher domain knowledge, pursuing research and entrepreneurial ventures]	3.041

### 2.2 ALUMNI SURVEY – SCIENCE AND HUMANITIES, LAW QUESTIONNAIRE

Sl. No	2.2 ALUMNI SURVEY – SCIENCE AND HUMANITIES, LAW QUESTIONNAIRE	Score on a 4 Point Scale
1.	[Courses cover recent state of art trends and development]	2.913
2	[Courses were appropriate in moulding the students towards nation	
2.	building by inculcating ethical and professional responsibilities]	3.000
	[Courses were helpful in developing your skills and knowledge in	
3.	your domain well in order to compete in employment related	
	activities nationally as well as globally.]	3.217
	Count of [Able to understand and appreciate the impact of domain	
4.	knowledge in social and global contexts and apply the same	
	successfully in arriving at the appropriate solutions.]	3.174

Sl. No	2.2 ALUMNI SURVEY – SCIENCE AND HUMANITIES, LAW QUESTIONNAIRE	Score on a 4 Point Scale
5.	[Aware of the current advancements and innovations in your field and the impact of Information Communication Technology Tools]	3.043
6.	[Knowledge imparted helped me to perform managerial and administrative functions with an ability to think independently and strategically and produce impactful results.]	3.043
7.	[Contents of Curriculum are helpful in organizing myself towards acquiring higher domain knowledge, pursuing research and entrepreneurial ventures]	3.087

### 2.3 ALUMNI SURVEY – MANAGEMENT

Sl. No	2.3 ALUMNI SURVEY – MANAGEMENT QUESTIONNAIRE	Score on a 4 Point Scale
1.	[Courses cover recent state of art trends and development]	2.750
2.	[Courses were appropriate in moulding the students towards nation	
2.	building by inculcating ethical and professional responsibilities]	2.000
	[Courses were helpful in developing your skills and knowledge in	
3.	your domain well in order to compete in employment related	
	activities nationally as well as globally.]2	2.500
	[Able to understand and appreciate the impact of domain	
4.	knowledge in social and global contexts and apply the same	
	successfully in arriving at the appropriate solutions.]	2.750
5.	[Aware of the current advancements and innovations in your field	
J.	and the impact of Information Communication Technology Tools]	2.500
	[Knowledge imparted helped me to perform managerial and	
6.	administrative functions with an ability to think independently and	
	strategically and produce impactful results. in a team]	2.750
	[Contents of Curriculum are helpful in organizing myself towards	
7.	acquiring higher domain knowledge, pursuing research and	
	entrepreneurial ventures ]	2.750

## 2.4 ALUMNI SURVEY – MEDICAL AND HEALTH SCIENCES

Sl. No	2.4 ALUMNI SURVEY – MEDICAL AND HEALTH SCIENCES QUESTIONNAIRE	Score on a 4 Point Scale
1.	[Courses prepared you for work in the recent state of art/varied	
1.	clinical settings]	3.333
2.	[Basic Science content objectives are made clear to us and had	
2.	sufficient illustrations of clinical relevance]	3.246
	[Courses and training were appropriate in moulding us in	
3.	contributing towards nation building by inculcating ethical and	
	professional responsibilities.]	3.316
	[Through specific activities like Clinical decision making and	
4	clinical care, Evidence-based medicine, Community-oriented	
4.	medicine, Practice of medicine, etc we were able to apply the	
	knowledge gained in practice.]	3.193
5.	[I am satisfied with the quality of my medical education. I feel that	
	my clinical training has prepared me to work independently as a	
	general practitioner.]	3.228

## 3.1 FACULTY SURVEY

1. Course syllabus is relevant to the present day requirements of industry and job market	Score on a 4 Point Scale
Agriculture	3.600
Engineering and Technology	3.439
Law	2.813
Management	3.341
Medical and Health Sciences	3.262
Science and Humanities	3.382
2. Course syllabus enables the students to pursue research or higher studies	Score on a 4 Point Scale
Agriculture	3.700
Engineering and Technology	3.486
Law	2.969
Management	3.268

Medical and Health Sciences	3.308
Science and Humanities	3.367
3. Course syllabus has contents which are helpful to the students to start entrepreneurial ventures	Score on a 4 Point Scale
Agriculture	3.400
Engineering and Technology	3.205
Law	2.625
Management	3.122
Medical and Health Sciences	3.007
Science and Humanities	3.171
4. Course syllabus provides enough input for the students to help them crack government conducted competitive examinations	Score on a 4 Point Scale
Agriculture	3.433
Engineering and Technology	3.333
Law	2.563
Management	2.829
Medical and Health Sciences	3.116
Science and Humanities	3.092
5. Courses help the students to develop strong sense of ethics, honesty, integrity and a strong value system	Score on a 4 Point Scale
Agriculture	3.433
Engineering and Technology	3.301
Law	2.844
Management	3.244
Medical and Health Sciences	3.182
Science and Humanities	3.283
6. My suggestions for changes in the syllabus are duly considered on their merit.	Score on a 4 Point Scale
Agriculture	3.067
Engineering and Technology	3.282
Law	3.094

Management	3.171
Medical and Health Sciences	3.060
Science and Humanities	3.100
7. The curriculum, in general, is helpful towards the attainment of Student Outcomes/Program Outcomes	Score on a 4 Point Scale
Agriculture	3.567
Engineering and Technology	3.493
Law	3.000
Management	3.305
Medical and Health Sciences	3.265
Science and Humanities	3.335
8. The evaluation system practiced is robust, it is fair and the marks scored/grades obtained, truly reflect the student's competence.	Score on a 4 Point Scale
Agriculture	3.267
Engineering and Technology	3.345
Law	2.594
Management	3.220
Medical and Health Sciences	3.050
Science and Humanities	3.199

## 4.1 PARENT SURVEY

Sl. No	4.1 PARENT SURVEY	Score on a 4 Point Scale
1.	I am satisfied that the education my ward is getting at SRM will help	
1.	him become a good professional	3.200
2	I am confident that the education at SRM will help my ward to	
2.	become a better citizen and contribute to the nation	3.202
2	I am sure that the education my ward is getting at SRM will make	
3.	him a better human being	3.209

## 5.1 EMPLOYER SURVEY

Sl. No	5.1 EMPLOYER SURVEY	Score on a 4 Point Scale
1.	Coding Skills (IT)	3.000
2.	Core Engineering (Subject Knowledge)	3.000
3.	Quantitative aptitude	3.500
4.	Verbal aptitude	3.286
5.	Oral and presentation skills	3.250
6.	General awareness	3.750

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# SRM Institute of Science and Technology (Deemed to be University u/s 3 of UGC Act, 1956)



#### Feedback Analysis and Action taken report (AY:2020-21)

Faculty Stake	ceholders	Specfic Questionnaire	Action Taken	ACM (46th,47th and 48th)
CET		Courses to become entrepreneur  Courses to help them crack goernment exams	New Professional elective courses are introduced  Skill enhancement courses are offered •20PDM501T - Career Advancement for Engineers - 1 •20PDM502T - Career Advancement for Engineers - 2 •20PDM601T - Career Advancement for Engineers - 3  SRM Innovation Centre offeres certification courses on Innovation and Entrepreneurship  One credit courses are offered to enchance their core skils in specific areas  Indutry run programs and courses are offered	Introduction of New Professional Electives under the UG Programme offered in collaboration with industry  • 18CSE303T Distributed Computing and System Design – in collaboration with Industry - Skill Vertex  • 18CSE304J Building Applications Using Open Source Augmented  • Reality And Virtual Reality SDKs - in collaboration with Industry, Auxo  • Labs  • 18CSE305T Artificial Intelligence in Agile systems - in Collaboration with Agile Practice, TEK System, Chennai  • 18CSE306T Artificial Intelligence in Genomics and Disease Diagnostics - in collaboration with Genetic Engg Dept.  • 18CSE307T Machine Learning in Drug Discovery - in collaboration with Genetic Engg Dept.  • 18CSE309T Design Principles of Smart Space Management – in collaboration with Architecture  • 18CSE309T Design Principles of Smart Space Management – in collaboration with Architecture  • 18CSE308T AWS Solution Architect - in collaboration with Verizon data services india pvt ltd, India  • 18CSE301J Information Visualization - in collaboration with Industry - Palo Alto Networks, CA, USA  • 18CSE301J Full Stack Development with MERN -in collaboration with Industry - Standard Chartered Bank.  1- credit course under the school of Computing  (i) 18CSE311T Probability and Computing - in collaboration with IIT Hyderabad.  New Programmes in offered/ to be offered in the forthcoming AY  • Diploma in Clinical Embryology  • Diploma in Psychological Counselling in Reproductive Medicine

Faculty	Stakeholders	Specfic Questionnaire	Action Taken	ACM (46th,47th and 48th)
	Alumni	Current advancements and Innovations  Perform manegaerial and administrative functions		<ul> <li>M.ScAudiologyandM.Sc.SpeechLanguagePathology programmes</li> <li>B.Sc. [Neuro Sciences Technology]</li> </ul>
	Faculty	Entrepreneurial ventures Training them for higher studies or career exams Sense of ethics, honestly, integrity and strong value system		<ul> <li>Certificate course in Psychological Counseling in Reproductive Medicine</li> <li>Post Graduate Diploma in Clinical Embryology</li> <li>Diploma in Health Inspector (HI) - 2 years Programme</li> <li>As per the syllabus of Tamil Nadu Government -</li> </ul>
Mgmt	Students	Courses to develop Critical Thinking  Content to help crack government conducted exams  Content to become entrepreneur/private practisioners  Current advancements and Innovations	There are courses introduced by Law offered to other discipline students on Human Rights Law, Media Law, etc  Value added courses are offered to enahaance their communication skills, managerial skills and competitive exam skills	Regulations 2022,  M.Sc. Renal Sciences and Dialysis Technology  M.Sc. Critical care technology  M.Sc. Clinical Nutrition  M.Sc. (Agriculture) in Genetics and Plant Breeding and M.Sc. (Horticulture) in Fruit Science  M.Sc. [Agriculture] in Agronomy  M.Tech in Automation and Robotics which is supported by Industry  B.Tech. CSE with Specialization in Data Science in Collaboration with Mu Sigma  M.Tech Big Data Analytics (Full Time) powered by
	Faculty  Alumni	Entrepreneurial ventures Training them for higher studies or career exams Perform manegaerial and		
	Alumin	administrative functions  Moulding towards nation building		<ul> <li>Great Learning</li> <li>B Tech Electric Vehicle Technology, B.Tech. Automotive Engineering, M.Tech - Automotive</li> </ul>
MHS	Students	Ethical courses to make a good citizen understanding our rights and responisibilities	New programs are introduced to increase the human resources towards a specific skill set requivered for growing India  a new centre Campus Life called "Centre for Rural Development and Technology (CRDT through which Sanitation programs are planned to be offered Introduction of CBCS or competency based programs to have flexibility and to help student take their	Technology These programmes are offered in collaboration with Automotive Research Association of India (ARAI), Pune Skill enhancement courses: POT16210 Advanced OT in Sensory Integration Therapy 18EI0136J PLC for Industrial Automation 18EI0138T Cyber Physical System 18MBE414T Essentials of Organizational Behaviour – Through High Radius 18MBE415T Business Essentials – Through High Radius
	Alumni	Understand the environment context and sustainability  Specific activities for enhancing	career path	18MB0416T Accounting and Order to Cash – Through High Radius Four Courses will be offered to Non-Law students of other
	Faculty	clinical decision and clinical care  Sense of ethics, honestly, integrity and strong value system		disciplines under the light of Choice Based Credit System [CBCS]:  A. Human Rights Law B. Law on Right to Information C. Introduction to IPR Laws D. Media Law

Faculty	Stakeholders	Specific Questionnaire	Action Taken	ACM (46th,47th and 48th)
		Training them for higher studies or career exams		To offer three Certificate Courses with 10-15 hrs.
Students	Confident to get employed  Move for higher studies  Develop Critical Thinking  Effective Communication	The UGC has recommended to design and to implement the Curriculum and Syllabus In compliance with the UGC recommendation, Curriculum and Syllabus have been designed to	A. Corporate Law and Governance     B. Procedure for patenting     C. Medical Jurisprudence	
CSH	Alumni	Perform manegaerial and administrative functions  Current advancements and Innovations  Moulding towards nation building	follow Learning Outcome based Curriculum Framework(LOCF).  The salient points to mention in the PG Regulation are categorization of courses in the curriculum, guidelines for Outcome Based Education (QBE) and Learning Assessment Procedure with assessments based on Revised Bloom's Taxonomy levels of thinking and learning have been included.  To offer a Fi strengthen Introduction [BOT] and programme FACULTY The UGC ha	To offer a Finishing School Programme for Law students to strengthen their skills. It is for about 20 hours. Introduction of CBCS for Bachelor of Occupational Therapy [BOT] and Master of Occupational Therapy [MOT] programme
	Faculty	Skills to compete in emplyment related activities		FACULTY OF SCIENCE AND HUMANITIES The UGC has recommended to design and to implement the
		Entrepreneurial ventures  Training them for higher studies or career exams	learning have been included.	Curriculum and Syllabus In compliance with the UGC recommendation, Curriculum and Syllabus have been designed to follow Learning Outcome based Curriculum Framework(LOCF).  The salient points to mention in the PG Regulation are categorization of courses in the curriculum, guidelines for Outcome Based Education (QBE) and Learning Assessment Procedure with assessments based on Revised Bloom's Taxonomy levels of thinking and learning have been included.  1. 18MAB301T Probability and Statistics is a prerequisite course in many foreign Universities for doing MS programme This course will be an additional course for few B.Tech. Mechanical Engineering students who want to pursue their higher studies in Foreign Universities.  1. Ph.D. Course work - Revision of Syllabus, Subject Code, Pattern of Examination with Question type applicable for Research Scholars joining in June
				2021 batch and onwards Students can register for courses offered by approved global MOOCs platforms or like NPTEL or Universities with which SRM partners specifically for MOOCs. MOOC Courses for Ph.D. Scholars approved The Full MOOCs course "Modelling Simulation and Analysis of Control Systems" Faculty of EIE and was launched on 18.02.2022 with Mobile-Tutors

Faculty	Stakeholders	Specfic Questionnaire	Action Taken	ACM (46th,47th and 48th)
				Inzroduction of NCC course as elective subject  • A new SRM Center of Journalism (SCJ) has been started at Kattankulathur Campus in association with the New Gen Media, Chennai.  • Proposal to set up the Centre for Research in Defence and International Studies (CRDiS)
				The CRDiS is a network by which, the MOU with leading research and Think Tank of India and in the world to take SRM 1ST to the next level.
		•		SRM Unnat Bharat Abhiyan The Directorate of Campus Life is planning to establish a new centre Campus Life called "Centre for Rural Development and Technology (CRDT)" under the College of Engineering and Technology. Four elective courses are planned to be offered
				<ul><li>a. Rural Energy and Technology</li><li>b. Rural Water Supply and sanitation</li><li>c. Rural Development Policies</li><li>d. Rural Entrepreneurship</li></ul>
				Proposal to start Center for Architectural Heritage: The proposed Centre aims to preserve the wealth of traditions, skills and talents displayed in the historic buildings in the form of arts, crafts and architecture.
				Opening the Cell by name "Cell for Intellectual Property"  Minor certification programme in "Design and Innovation".  a. Entrepreneurship and Design Innovation

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