

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University under section 3 of UGC Act 1956)

www.srmuniv.ac.in

The Annual Quality Assurance Report (AQAR) of the IQAC

2012-13

PART – A

1.Details of the Institution

1.1 Name of the Institution

SRM institute of Science and Technology

1.2 Address Line 1

SRM Nagar

Address Line 2

Kattankulathur, Kancheepuram District

City/Town

Chennai

State

Tamilnadu

Pin Code

603203

Institution e-mail address

registrar@srmuniv.ac.in

Contact Nos.

044-27452270

Name of the Head of the Institution:

Dr.M. Ponnaivaikko

Tel. No. with STD Code:

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID(For ex. MHC0GN 18879)

1.4 NAAC Executive Committee No. &Date:
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no.is available in the right corner-bottom
of your institution's Accreditation Certificate)

1.5 Website address:

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	NA	2006	5 years
2	2 nd Cycle	A	3.5	2013	5 years
3	3 rd Cycle	Not Applicable	Not Applicable	Not Applicable	Not Applicable
4	4 th Cycle	Not Applicable	Not Applicable	Not Applicable	Not Applicable

1.7 Date of Establishment of IQAC :

1.8 AQAR for the year (for example 2010-11)

2012-13

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

This is the first AQAR submitted after the latest assessment and accreditation

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (PhysEdu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

--

1.12 Name of the Affiliating University (for the Colleges)

Not Applicable

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	<input type="text" value="No"/>		
University with Potential for Excellence	<input type="text" value="No"/>	UGC-CPE	<input type="text" value="No"/>
DST Star Scheme	<input type="text" value="No"/>		
UGC-Special Assistance Programme DST-FIST	<input type="text" value="No"/>		<input type="text" value="Yes"/>
UGC-Innovative PG programmes	<input type="text" value="No"/>	Any other (<i>Specify</i>)	<input type="text" value="Nil"/>
UGC-COP Programmes	<input type="text" value="No"/>		

2.IQACComposition and Activities

2.1No. of Teachers	<input type="text" value="10"/>
2.2No. of Administrative/Technical staff	<input type="text" value="14"/>
2.3No. of students	<input type="text" value="3"/>
2.4No. of Management representatives	<input type="text" value="2"/>
2.5No. of Alumni	<input type="text" value="2"/>
2. 6No. of any other stakeholder and community representatives	<input type="text" value="1"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="1"/>
2.9 Total No. of members	<input type="text" value="34"/>
2.10No. of IQAC meetings held	

2.11 No. of meetings with various stakeholders: No. Faculty
 Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No
 If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

NAAC reaccreditation with 'A' Grade
 Accreditation of four programs by Engineering Accreditation Commission (EAC) and one program by Computing Accreditation Commission (CAC) of ABET, USA

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
NAAC reaccreditation	A grade
Accreditation of four programs by Engineering Accreditation Commission (EAC) and one program by Computing Accreditation Commission (CAC) of ABET, USA	Successful

Academic Calendar of the year attached as Annexure I

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

PART – B

CRITERION – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	In all disciplines	--	In all disciplines	In all disciplines
PG	123	3	126	126
UG	45	--	45	45
PG Diploma	4	--	4	4
Advanced Diploma	--	--	--	--
Diploma	6	--	6	6
Certificate	3	--	3	3
Others	1	--	1	1
Total	182	3	185	185
Interdisciplinary	55	--	55	55
Innovative	5	--	5	5

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	98
Trimester	--
Annual	87

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback: Online Manual Co-operating schools (for PEI) NA

Feedback analysis furnished in Annexure II. It is only a sample and similar analyses are made for different programs

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Need based revisions in tune with emerging areas effected

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Nil

CRITERION – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
2511	2117	113	281	45

2.2 No. of permanent faculty with Ph.D.

322

2.3 No. of Faculty Positions Recruited (R) and Vacant(V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
102	0	5	0	8	0	0	0	115	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

30 15 --

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	109	785	336
Presented papers	395	312	57
Resource Persons	32	188	68

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Digital Courseware
Active Learning laboratory
Online tests

2.7 Total No. of actual teaching days during this academic year

150

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development

6

4

5

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

2.11 Course/Programme wise distribution of pass percentage :

84.7

Sl. No.	Title of the Programme	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
UG programs, B.Tech/B.Arch, Engineering And Technology , Kattankulathur Campus							
1.	Civil Engineering	182	24	56	5	--	85
2.	Mechanical Engineering	228	16	52	14	--	82
3.	Computer Science and Engineering	270	31	54	3	--	88
4.	Electronics and Communication Engineering	323	20	52	7	--	79
5.	Electrical and Electronics Engineering	179	17	63	7	--	87
6.	Instrumentation and Control Engineering	106	18	61	7	--	86
7.	Chemical Engineering	87	16	66	7	--	89
8.	Information Technology	117	23	62	3	--	88
9.	Biotechnology	136	21	63	4	--	88
10.	Food and Process Engineering	55	20	60	5	--	85
11.	Automobile Engineering	83	19	57	10	--	86
12.	Bioinformatics	38	24	61	5	--	90
13.	Bio Medical Engineering	47	17	62	11	--	90
14.	Genetic Engineering	54	15	80	5	--	100
15.	Information and Telecommunication Engineering	73	26	62	--	--	88
16.	Electronics and Instrumentation Engineering	125	17	61	7	--	85
17.	Mechatronics	125	14	61	6	--	81
18.	Aerospace Engineering	110	18	62	2	--	82
19.	Software Engineering	60	23	53	3	--	79
20.	Nanotechnology	63	25	62	8	--	95
21.	Architectural Engineering	37	14	70	8	--	92
22.	Civil infrastructure Engineering	29	17	62	3	--	82
23.	Nuclear Engineering	5	40	60		--	100
24.	B.Arch	89	11	70	1	--	82
UG programs, B.Tech/B.Arch, Engineering And Technology , Ramapuram Campus							
25.	Civil Engineering	64	23	61	3	--	88
26.	Mechanical Engineering	81	16	58	15	--	89
27.	Computer Science and Engineering	78	31	62	--	--	92
28.	Electronics and Communication Engineering	90	26	67	1	--	93
29.	Electrical and Electronics and Engineering	53	34	66		--	100
UG programs, B.Tech/B.Arch, Engineering And Technology , Ramapuram (Part) Campus							
30.	Mechanical Engineering	196	20	65	5	--	90
31.	Computer Science and Engineering	69	12	74	12	--	98
32.	Electronics and Communication Engineering	289	19	68	5	--	92

Sl. No.	Title of the Programme	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
UG programs, B.Tech/B.Arch, Engineering And Technology , SRM Institute of Management and Technology, Modi Nagar Campus, Delhi							
33.	Civil Engineering	44	16	70	--	--	86
34.	Mechanical Engineering	106	8	83	4	--	95
35.	Computer Science and Engineering	153	5	91	3	--	99
36.	Electronics and Communication Engineering	151	6	85	4	--	95
37.	Electrical and Electronics Engineering	104	6	82	6	--	94
38.	Information Technology	59	8	75	2	--	85
PG programs, M.Tech/MS, Engineering And Technology , Kattankulathur Campus							
39.	Structural Engineering	62	27	73	--	--	100
40.	Construction Engineering & Management	47	36	57	--	--	94
41.	Computer Aided Design	30	13	83	--	--	97
42.	Computer Science and Engineering	144	39	59	1	--	99
43.	Software Engineering	32	34	66	--	--	100
44.	Communication Systems	53	19	72	--	--	93
45.	VLSI Design	71	24	62	6	--	92
46.	Chemical Engineering	11	36	64	--	--	100
47.	Embedded System & Technology	67	28	69	--	--	97
48.	Power Electronics & Devices	29	38	59	--	--	97
49.	Power Systems	41	34	66	--	--	100
50.	Information Technology	67	16	73	9	--	98
51.	Biotechnology	62	34	65	--	--	99
52.	RS & GIS	6	100		--	--	100
53.	Biomedical Engineering	35	34	63	--	--	96
54.	Computer Integrated Manufacturing	15	27	73	--	--	100
55.	Data Base Systems	34	29	71	--	--	100
56.	Electronics and Control Engineering	19	32	58	--	--	90
57.	Information Security and Computer Forensics	49	22	71	6	--	99
58.	Food and Nutritional Biotechnology	33	36	61		--	97
59.	Genetic Engineering	36	36	61	3	--	100
60.	Robotics	19	16	74	--	--	90
61.	Telecommunication Networks	27	52	48	--	--	100
62.	Bioinformatics	20	35	65	--	--	100
63.	M.Arch	7	43	43	--	--	86
64.	M.S Nano Science & Nano Technology	15	67	33	--	--	100
65.					--	--	
66.	Computer Science and	17	12	88	--	--	100

Sl. No.	Title of the Programme	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
	Engineering						
67.	VLSI Design	6	17	67	16	--	100
PG programs, M.Tech/MS , Engineering And Technology , SRM Institute of Management and Technology, Modi Nagar Campus, Delhi							
68.	Computer Science and Engineering	17	12	88	--	--	100
69.	VLSI Design	6	17	67	16	--	100
Management Programs, BBA							
70.	Kattankulthur	167	8	38	26	--	72
Management Programs, MBA							
71.	Kattankulathur	1067	13	82	0	--	96
72.	Ramapuram	101	16	60	16	--	92
73.	Ramapuram part	239	13	76	8	--	97
74.	Modinagar	69	1	75	18	--	94
UG programs, B.Sc/B.Com/BA/B.Ed, Faculty of Science and Humanities							
75.	B.Sc. Computer Science	52	12	40	21	--	73
76.	B.Sc Biotech & Bioinformatics	6	33	34	--	--	67
77.	B.Sc CST	8	38	62	--	--	100
78.	B.Sc Biotechnology	17	35	65	--	--	100
79.	B.Sc IT	17	6	65	12	--	83
80.	B.Sc ISM	37	14	14	8	--	36
81.	B.Sc Viscom	106	11	63	18	--	92
82.	B.Com	183	5	37	25	--	67
83.	BCA	93	10	31	10	--	51
84.	BA (Journalism and Mass Communications)	18	22	50	22	--	94
85.	B.Sc. Film Technology	39	10	82	5	--	97
86.	B.Sc. Hotel and Catering Management	130	23	66	3	--	92
87.	B.Ed	370		100		--	100
UG programs, M.Sc/M.Com, MA/M.Ed/M.Phil Faculty of Science and Humanities							
88.	M.Sc. Biotechnology	33	61	27	--	--	88
89.	M.Sc Biotech & Bioinformatics	6	67	17	--	--	84
90.	M.Sc. Information Technology	50	46	44	2	--	92
91.	M.Sc. Viscom	23	78	22	--	--	100
92.	M.Sc CST	1		100	--	--	100
93.	M.Sc CST - Integrated	9	33	56	--	--	89
94.	MA (Journalism and Mass Communications)	14	36	64	--	--	100
95.	MA (Public Administration)	15	80	20	--	--	100
96.	M.Ed	92		98	2	--	100
97.	M.Phil	18		100	--	--	100
98.	BPT	2		100	--	--	--
99.	B.Pharm	33	21	79	--	--	100
100.	B.Sc Nursing	40	10	90	--	--	100
101.	BOT	1		100	--	--	100

Sl. No.	Title of the Programme	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
102.	MPT-Obstetrics and Gynecology	2	--	50	50	--	100
103.	MPT - Neurology	8	--	88	13	--	100
104.	MPT- Sports Physiotherapy	5	--	20	80	--	100
105.	MPT - Cardiopulmonary Science	2	--	100	--	--	100
106.	MPT - Orthopaedics	10	--	80	--	--	100
107.	MPT - Bio Mechanics	2	--	--	100	--	100
108.	M.P.T. Paediatrics	1	100		--	--	100
109.	M.Pharm - Pharmaceutical Analysis	6	83	17	--	--	100
110.	M.Pharm - Pharmaceutical Chemistry	4	100	--	--	--	100
111.	M.Pharm - Pharmaceutics	19	47	53	--	--	100
112.	M.Pharm - Pharmacology	4	75	25	--	--	100
113.	M.Pharm - Pharmacognosy	2	100		--	--	100
114.	M. Pharm - Pharmacy Practice	9	11	78	11	--	--
115.	PBB.Sc - Nursing	9	11	89			100
116.	M.Sc.- Medical Surgical Nursing	4	25	75	--	--	100
117.	M.Sc - Obstetrics &Gynecology Nursing	2	100	--	--	--	100
118.	M.Sc Paediatric Nursing	2	50	50	--	--	100
119.	M.ScPsychiatric Nursing	2	50	50	--	--	100
120.	M.O.T. Neurology	1	--	--	--	--	100
121.	M.O.T - Paediatrics	2	--	--	50	--	--
122.		7	--	57	43	--	100
123.	MPH - Clinical Research	4		100	--	--	100
124.	MPH -Public Health Management	27	41	59	--	--	100
125.	MPH - Information Technology In Health Care	11	64	36	--	--	100
126.	M.ScBiostat	2	100		--	--	100
127.	M.S (Clinical Trail)	4		100	--	--	100
128.	M.Sc. - Medical (Micro Biology Specialization)	11	--	27	64	--	91
129.	M.Sc. - Medical Anatomy	10	--	70	30	--	100
130.	M.Sc. - Medical Physiology	4	--	75	25	--	100
131.	M.Sc. - Medical Biochemistry	9	11	89		--	100
132.	MDS- Oral and Maxillofacial Surgery	8	--	88	12	--	100
133.	MDS - Conservative Dentistry & Endodontic	8	--	13	75	--	88
134.	MDS - Periodontology	7	--	43	43	--	86
135.	MDS - Orthodontics and Dentofacial Orthopaedics	9	--	22	67	--	89
136.	MDS- Oral Pathology, Microbiology & Forensic	3	--	33	67	--	100

Sl. No.	Title of the Programme	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
137.	MDS - Prosthodontics and Crown and Bridge	8	--	38	62	--	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

IQAC organises meetings, reviews the implementation of resolutions of earlier meetings and proposes quality enhancement measures for the forthcoming academic year.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	159
UGC – Faculty Improvement Programme	53
HRD programmes	27
Orientation programmes	212
Faculty exchange programme	14
Staff training conducted by the university	57
Staff training conducted by other institutions	265
Summer / Winter schools, Workshops, etc.	424
Others	32

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	285	--	15	--
Technical Staff	785	--	32	--

CRITERION – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

1. Coordinated with the directorate of research in compiling the publication history of faculty members of the institute with affiliation to SRMIST. 2. Organisation of research day 3. Awards to faculty members on their publications

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	10	24	28	15
Outlay in Rs. Lakhs	453.17	1960.93	1264.60	1020

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	--	--	--
Outlay in Rs. Lakhs	0.89	--	--	--

3.4 Details on research publications

	International	National	Others
Peer Review Journals	148	139	--
Non-Peer Review Journals	102	--	--
e-Journals	408	--	--
Conference proceedings	395	369	--

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year 2012	Name of the funding Agency	Total grant Sanctioned Lakhs	Received
Major projects	21	CSIR,DST,DBT,INSA, CICT,TN,ICMR, SERB,UNICEF,DRDO,	595.92	362.23
Minor Projects	---	--	--	--
Interdisciplinary Projects	4	ICMR Life Sciences Research Board, DRDO	230.47	135.23
Industry sponsored	3	IGCAR, NEC-FUITSU-SONY	438.21	210.00
Projects sponsored by the	5	SRMIST	178.00	178.00

University/ College				
Students research projects <i>(other than compulsory by the University)</i>	25	SRMIST	25.89	25.89
Any other(Specify)	--	--	--	--
Total	58	--	1468.49	911.35

3.7 No. of books published i) With ISBN No Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds
DST (Others)

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Other (specify)

3.10 Revenue generated through consultancy

Level	International	National	State	University	College
Number	6	88	8	223	NA
Sponsoring agencies	IEEE, ISTE, CSI etc.	GLIM, IEEE, CSI, ISTE etc.	Genetics Associates USA, etc.	IHM NIMSME, etc.	NA

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	3
	Granted	2
International	Applied	5
	Granted	2
Commercialised	Applied	2
	Granted	2

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
124	15	17	7	85	--	NA

3.18 No. of faculty from the Institution who are Ph.D. Guides and students registered under them

288

[]

3.19 No. of Ph.D. awarded by faculty from the Institution

138

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF [12] SRF [14] Project Fellows [9] Any other [--]

3.21 No. of students Participated in NSS events:

University level State level [4500] [15]

National level International level [12] [--]

3.22 No. of students participated in NCC events:

University level State level [65] [7]

National level International level [2] [--]

3.23 No. of Awards won in NSS:

University level [7] State level [3]

National level International level [2] [--]

3.24 No. of Awards won in NCC:

University level [2] State level [1]

National level [1] International level [--]

3.25 No. of Extension activities organized

University forum	College forum	35	N	
NCCNSS	Any other	15	27	--

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Adoption of villages
- Adoption of government schools
- Admission of rural disadvantaged students free of cost
- Flood/Cyclone relief funds to students
- Working with AGARAM foundation in uplifting the economically poor students by providing higher education
- Organization of medical / health camps

CRITERION – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area in acres	200.95	--	Fees	200.95
Class rooms	680	48	Fees	728
Laboratories	255	12	Fees	267
Seminar Halls	25	2	Fees	27
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	3060	247	Fees	3307
Value of the equipment purchased during the year (Rs. in Lakhs)	1160	122	Fees	1282
Others	--	--	--	--

4.2 Computerization of administration and library

Fully automated

4.3 Library services:

	Existing as on 2012		Newly added		Total as on 2013	
	No	Value(Lac.)	No	Value(Lac.)	No	Value(Lac.)
Text books	165555	892.6	15746	117.92	181301	1010.52
Reference Books	26048	302.5	1081	15.36	27129	317.86
No.of Titles	70678	--	5339	--	76017	--
e-Books	16109	186	--	--	16109	186
National Journals	473	145.46	100	44.34	573	189.8
International Journals	193	20.19	73		266	20.19
e-Journals	4599	80.62	1500	44.4	6099	125.02
Digital database	3	2.63	1	3.56	4	6.19
CD&Video	8610	17.22	791	1.97	9401	19.19
Others(specify)	--	--	--	--	--	--
Magazines	189	3.39	19	0.34	208	3.73
Databases-Print and Online	2	3.93	--	--	2	3.93
Memberships	9	0.81	--	--	9	0.81

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	6250	102	1.09 Gbps	42	5	165	151	--
Added	150	7	0.22 Gbps	5	1	2	2	--
Total	6400	109	1.31Gbps	47	6	167	153	--

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Adequate computer access to faculty/staff/students
Training to faculty/staff/students on ICT
Wi-Fi enabled campus
Moving towards paperless office
e-varsity
e- management

4.6 Amount spent on maintenance in lakhs :

i) ICT	152
ii) Campus Infrastructure and facilities	4325
iii) Equipment's	1901
iv) Others	1971
Total :	8349

CRITERION – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Feedback mechanism put in place

Accreditation of programs by commissions of ABET, USA initiated and achieved.

5.2 Efforts made by the institution for tracking the progression

e- varsity, student info, parent info – all ICT based

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
28315	7851	659	--

(b) No. of students outside the state

24222

(c) No. of international students

717

Men

No	%
31670	86

Women

No	%
5155	14

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
16429	1618	166	15024	189	33426	16352	2312	221	17676	264	36825

Demand ratio 1:12 Dropout %1

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Curriculum itself covers the syllabus contents of competitive examinations.

Examination pattern includes MCQs

Training on aptitude/quantitative /communication aspects through mandatory personality developed courses embedded in the curriculum.

Comprehension courses mirroring the competitive examination syllabus

No. of students beneficiaries 25644

5.5 No. of students qualified in these examinations

NET 3 SET/SLET GATE 5 CAT 262 12

IAS/IPS etc 2 State PSC 4 UPSC 2

Others 2800
(GRE
etc.)

5.6 Details of student counselling and career guidance

A faculty counsellor is appointed for every 20-30 students

Placement coordinator for every department to carry out career counselling

Professional (Psychiatry) counselling by full time doctors

No. of students benefitted 3925

5.7 Details of campus placement

	<i>On campus</i>		<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
150	4352	3259	855

5.8 Details of gender sensitization programmes

Director of Student Affairs takes care of gender sensitizing issues by organizing series of programs.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	2060	Rs. 1600 lakhs
Financial support from government	--	--
Financial support from other sources	--	--
Number of students who received International/ National recognitions	--	--

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

22

5.13 Major grievances of students (if any) redressed: _____ Nil _____

CRITERION – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To emerge as a World - Class University in creating and disseminating knowledge, and providing students a unique learning experience in Science, Technology, Medicine, Management and other areas of scholarship that will best serve the world and betterment of mankind.

Mission

MOVE UP through international alliances and collaborative initiatives to achieve global excellence.

ACCOMPLISH A PROCESS to advance knowledge in a rigorous academic and research environment.

ATTRACT AND BUILD PEOPLE in a rewarding and inspiring environment by fostering freedom, empowerment, creativity and innovation.

6.2 Does the Institution has a management Information System

Yes, SRM Institute of Science and Technology has Management Information System.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Student feedback

Outcome Based Education.

External experts from Industry and Institutes in Board of studies.

Curriculum revision to meet the industry demands.

Input from Industrial advisory / International advisory boards.

6.3.2 Teaching and Learning

Digital courseware.

Mapping student outcomes / instructional objectives and program educational objectives.

Uploading lesson plan / question paper keys.

Active learning laboratories.

Use of Internet, ppt presentation during class room teaching.

6.3.3 Examination and Evaluation

Internal assessment: End-semester exam = 50:50.

Cycle tests/ Surprise tests/ Model examination/ Assignments/ term papers for internal assessment.

Record of internal assessment fully computerised.

Central valuation for end semester examinations.

Results processing fully computerised.

6.3.4 Research and Development

Ph.D programs in all disciplines.

Funded projects by industries / government departments/ industries.

Funded projects by the university.

Award/ filing of patents.

Publication in peer reviewed journals.

Incentives for faculty publishing papers / getting funded projects .

Special incentives for faculty holding Ph.D degrees.

Sponsorship to present papers in / attend international /national conferences.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Fully automated, well stocked, air-conditioned central library – 5 storey block.

Student records/ attendance/ internal marks/ fee payments/ fully computerised.

Entire correspondence through e-mails; moving towards paperless office.

Purchase / salary / leave records of faculty/ applying leave etc. fully computerised.

Wi-Fi enabled campus .

In-house facility to fabricate lab equipments.

Maintenance of lab equipment by university instrumentation centre under ITKM.

6.3.6 Human Resource Management

Dedicated directorate for HR.
Well laid policy for recruitment / upward mobility.
Dedicated directorate for faculty Development.
Organization of in-house faculty development programs.

6.3.7 Faculty and Staff recruitment

Well laid out policy and process.
Interview panel consisting of external / internal experts.
Advertisement in leading national dailies.
Online submission of resume.

6.3.8 Industry Interaction / Collaboration

A dedicated Institute Industry Interaction Cell (IIIC) headed by Dean.
Collaborative MoUs with 42 industries in India.

Through SRM Entrance Examination nationwide followed by counselling for engineering / MBBS programs :

6.4 Welfare schemes for

Teaching	Yes
Non teaching	Yes
Students	Yes

6.5 Total corpus fund generated

500 lakhs

6.6 Whether annual financial audit has been done Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	EAC/CAC of ABET, httpwww.abet.org.	No	No
Administrative	No	No	No	No

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Answer scripts review in the presence of student and faculty who has corrected them.
Result process fully computerised with foolproof security system in place.
Multiple Choice Questions.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Budget allocation to constituent colleges for their spending.
Decentralization of powers in personnel management

6.11 Activities and support from the Alumni Association

Exhaustive alumni database.
Alumni providing funds for infrastructure.
Alumni facilitating campus placement
Alumni delivering technical lectures
Alumni facilitating internship for students

Feedback on various processes
Collective efforts to reforming erring students
Parent occupying prestigious official / social positions helping the institute on various areas

6.13 Development programmes for support staff

ICT training

Incentives for higher studies

Absorption in teaching cadre once they acquire requisite qualification and if found suitable

Language training

Technical training

6.14 Initiatives taken by the institution to make the campus eco-friendly

Tree plantation

Minimizing water wastage

Deployment of solar heaters and lighting

Rainwater harvesting

LED lamps

Imbibing waste consciousness by training programs

Minimising use paper

CRITERION – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Exhaustive faculty appraisal system which imparted motivation to faculty members and enabled them to set goals and work towards the same

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

NAAC reaccreditation accomplished with 'A' grade.
Accreditations by commissions of ABET of 5 engineering programs of Kattankulathur campus.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. Title of the Practice I

This title should capture the keywords that describe the practice.

SEMESTER ABROAD PROGRAM (SAP) – a program meant for advanced learners

2. Objectives of the Practice

What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?

SRM University is recognized across the country for its high standards of education, exciting opportunities and excellent placement. To maintain its top position, the University is spearheading with Semester Abroad Program (SAP), a unique initiative providing its students an international exposure and global opportunities. This, we believe, is the first of its kind in India.

3. The Context

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?

Under the Semester Abroad Program the students are allowed to take-up a few courses and /or a Major project in reputed foreign universities for ONE semester. The credits earned in the foreign university through the SAP will be translated into SRM credits, by an approved conversion procedure, and taken for consideration for the award of the degree by SRM University. After the study period at a foreign university the students return to SRM University to continue with the degree program for which they were enrolled, and after fulfilling all the necessary conditions laid out in the regulations of SRM University, the student will become eligible for the award of the degree.

4. The Practice

Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?

Selection Criteria and procedure:

It is a transparent process giving adequate consideration to:

- Academic performance
- Ambition and excitement level
- Communication skills
- Family financial background to support
- Above all the recommendation of the department concerned
- An information session will be held in February and July every year in all campuses
- After the information session the interested students should register with OIR in the prescribed format with all supporting documents, before the deadline date.
- A one-to-one counselling session will be held to all registered students by a committee consisting of the Dean, Office of the International Relations, faculty Director / Associate Director, Director (Research) and the Head of the Department.
- The shortlisted students should submit 2 undertakings – one by the student and the other by the parent – and proceed with all the academic and non-academic requirements of SRM and the host university
- A separate one-to-one interview will be held for awarding few scholarships to select prestigious universities like MIT, Cornell, etc

	FALL TERM	SPRING TERM
Registration with OIR	January to till the interview date	July to till the interview date
Interview by SRM committee	End February	End August
Announcement of shortlisted names	Mid-March	Mid September
Last date for withdrawal	15 days from the date of announcement of shortlisted names	15 days from the date of announcement of shortlisted names
Last date for applying to foreign university	As per the dead lines of the foreign university – tentatively 15th May	As per the dead lines of the foreign university – tentatively 15th October
Expected admission letter	Mid -July	First week of December
Leave SRM	From 15th August	From first week of January

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.

- Provides an unique opportunity to gain international learning and living experience
- Brighten the career opportunities both in India and Overseas
- Get an opportunity to work with eminent professors of the universities and upon proving their mettle stand a good chance of getting direct admission to subsequent higher studies in that university or in other universities.
- Get an opportunity to work in cross-cultural, multi-national environment.
- Acquire or improve self-confidence and independency
- Fulfils one's life time ambition to stay ahead at the top

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources required to implement the practice (in about 150 words).

- To sign MoUs with top notch universities across the globe so that they become partners with SRM in implementing the program.
- Earmark funds for the students to meet their travel, boarding and tuition fee expenditure
- To put in place an unbiased selection process in place.
- Orient the meritorious students from rural background to become confident enough to make us of the program
- Adjustment of credits earned during the study abroad
- Arranging special classes for students to enable them undergo courses which they might have missed at SRM while studying a semester abroad.

7. Notes

Optional. Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).

--

Title of the Practice II

This title should capture the keywords that describe the practice.

COMPENSATORY CLASSES – a program meant for slow learners

1. Objectives of the Practice

What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?

To enable slow learners to complete the courses in their own pace and provide an opportunity to students who are unable to sit for the end semester examinations due to lack of attendance.

2. The Context

What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?

- Compensatory courses may be announced by a School/Department, by the Deans/HODs, with the approval of the Director (Engg&Tech). The course will be conducted during the regular academic session either during the weekends or in the evenings after the regular classes as decided by the Director (Engg&Tech) and the number of hours that will be conducted will be 75% of the hours specified in the curriculum for a course. Maximum two courses will be permitted to a student during the semester and the student has to have at least 75% attendance in these courses.

4. The Practice

Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?

- The evaluation process for compensatory courses consists of only end semester examinations and no internal assessment process. Student shall have to score the passing minimum in the end semester examination only and the marks scored in which will be given full weightage.
- Courses will be offered by the departments only to students detained for lack of attendance in those courses (Grade W, R.18.1). No student should register for more than two compensatory courses offered during a semester and totally not more than 8 courses in the normal duration of study.
- Compensatory courses will be announced after the publication of results of end semester examinations of odd/even semester and the conduct of these courses will not go beyond the last working day of the semester. A student will have to register within the time stipulated in the announcement by paying the prescribed fees.
- No student who has got 'W' grade, (that is, the student who has been detained for want of attendance in a particular course) can appear for end semester examinations for that course without undergoing the compensatory classes for that course.
- Withdrawal from Compensatory courses is not permitted.
- Student who has obtained U grade in a course shall not register for compensatory course for that course.

Comment [d1]: weightage

Comment [d2]: less than 75%

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.

- Students are able to achieve a pass percentage as near to the regular one
- Out of 7/8 courses in a semester, they can do 1 /2 under compensatory courses thereby lightening their burden according to their capacity during regular study
- Students who suffer from lack of attendance due to unfortunate circumstances like medical problems, loss of near and dear ones in the family make use of these courses

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources required to implement the practice (in about 150 words).

- Even some capable students sometimes opt for these courses practice of which is to be discouraged.
- Being a small group, faculty sometimes tend to be liberal in awarding marks in these courses

7. Notes

Optional. Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).

--

7.4Contribution to environmental awareness / protection

Tree plantation
Minimizing water wastage
Deployment of solar heaters and lighting
Rainwater harvesting
LED lamps
Imbibing waste consciousness by training programs
Minimising use paper

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strengths:

- Sprawling beautiful campuses in four places
- Great infrastructure facilities.
- Excellent student support with hostels, library, scholarships, health care etc
- Transparent admission policy
- Clearly defined Vision and Mission
- Wide number of UG, PG, M.Phil, Ph.D programs in Engineering, Medicine, Health Sciences, Management, Science and Humanities.
- Qualified and efficient faculty
- Updated curriculum and syllabi
- Effective Teaching-learning process with use of ICT.
- e-governance and e-varsity
- Semester scheme with continuous assessment.
- Methodical and transparent evaluation process
- Strong research culture with significant research output.
- Community oriented extension activities.
- Enviable placement record
- Networking with industries/institutions
- Scholarships and freeships
- Sports and cultural facilities
- Directorates for welfare and development of students and faculty
- SAP, FAP, TG, programs
- Guidance and counseling
- Personality and skill development programs

Weakness

- Ph.D qualified faculty
- Qualified faculty for appointment as Associate professors.
- Adjunct faculty to visit and teach specialized subjects.
- Faculty exchange with reputed universities
- Number of foreign professors and students.
- Sponsored projects and grants
- Paper publications, books and patents.

Challenges:

- To recruit Ph.D qualified and competent faculty
- To get specialized guest and visiting faculty
- To maximize ICT enabled pedagogy
- To computerize the remaining activities and to ensure e-governance
- To motivate the faculty to get Ph.D at the earliest.
- To attract more industries for placement, in plant training and project works.
- To inspire faculty towards purposeful research by getting research grants, publishing papers and claiming patents.
- To create the attitude and mindset among all stakeholders towards a feeling of ‘Ownership’ regarding the university.

8. Plans of institution for next year

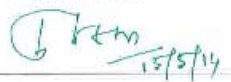
To revise the curriculum and syllabus for engineering programs in 2013-14

To set in place a policy and process for external communications

Name Prof.G. Augustine Maniraj Pandian

Name Dr.M. Ponnuswatha

Vice Chancellor



Signature of the Coordinator, IQAC

Signature of the Vice-Chancellor, IQAC

Prof. G.AUGUSTINE MANIRAJ PANDIAN
Principal Coordinator (IQAC)
SRM UNIVERSITY
SRM Nagar, Kattankulathur - 603 203,
Kancheepuram - Dist., Tamil Nadu

VICE CHANCELLOR
SRM UNIVERSITY
SRM Nagar, Kattankulathur - 603 203.
Kancheepuram - Dist.,
Tamil Nadu, India.

ACADEMIC CALENDAR

Annexure I

Odd Semester (All Programs)

	<u>UG</u>			<u>PG</u>	<u>PG</u>
	<u>Freshers</u>	<u>II and III B.Tech</u>	<u>IV B.Tech</u>	<u>Freshers</u>	<u>Others</u>
<u>Commencement of Odd Semester</u>	<u>15.07.2013 (KTR)</u> <u>19.07.2013 (RMP)</u> <u>22.07.2013 (NCR)</u> <u>24.07.2013 (VDP)</u>	<u>03.07.2013</u>	<u>19.06.2013</u>	<u>29.07.2013 (All Campus)</u>	<u>03.07.2013</u>
<u>Commencement of Cycle test – I</u>	<u>07.08.2013</u>	<u>29.07.2013</u>		<u>04.09.2013</u>	<u>19.08.2013</u>
<u>Commencement of Cycle test – II</u>	<u>04.09.2013</u>	<u>26.08.2013</u>		<u>NA</u>	<u>NA</u>
<u>Commencement of Model Exam</u>	<u>11.11.2013</u>	<u>23.10.2013</u>		<u>20.11.2013</u>	<u>23.10.2013</u>
<u>Last working day</u>	<u>20.11.2013</u>	<u>01.11.2013</u>		<u>27.11.2013</u>	<u>01.11.2013</u>
<u>Commencement of University Theory Examinations</u>	<u>29.11.2013</u>	<u>11.11.2013</u>		<u>06.12.2013</u>	<u>11.11.2013</u>
<u>Winter Vacation</u>	<u>06.11.2013 – 17.12.2013</u>				
<u>Reporting date for Faculty - EVEN semester</u>	<u>18.12.2013</u>				
<u>Reopening date for students - EVEN semester</u>	<u>23.12.2013</u>				

Even Semester (All Programs)

	<u>UG</u>	<u>PG</u>
<u>Commencement of EVEN semester</u>	<u>23.12.2013</u>	<u>23.12.2013</u>
<u>Commencement of Cycle test – I</u>	<u>05.02.2014</u>	<u>17.02.2014</u>
<u>Commencement of Cycle test – II</u>	<u>05.03.2014</u>	<u>NA</u>
<u>Commencement of Model Exam</u>	<u>15.04.2014</u>	<u>15.04.2014</u>
<u>Last working day</u>	<u>25.04.2014</u>	
<u>Commencement of University Theory Examinations</u>	<u>05.05.2014</u>	
<u>Summer Vacation</u>	<u>30.04.2014 – 24.06.2014</u>	
<u>Reporting date for Faculty – ODD Semester</u>	<u>25.06.2014</u>	
<u>Reopening date for students – ODD semester</u>	<u>02.07.2014</u>	

DEPARTMENT OF CIVIL ENGINEERING

Exit Feedback on student outcomes as given by the students
Program Name: B.Tech Civil Engineering – Kattankulathur Campus
Academic year 2012-13

TOTAL RESPONDENTS - 171

Sl. No	Student outcomes	Strongly agree	Agree	No opinion	Disagree	Strongly disagree
a)	an ability to apply knowledge of mathematics, science, and engineering	46	52	1	1	0
b)	an ability to design and conduct experiments, as well as to analyze and interpret data	35	53	10	1	1
c)	an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	45	42	8	2	3
d)	an ability to function on multidisciplinary teams	53	35	7	3	2
e)	an ability to identify, formulate, and solve engineering problems	38	43	6	11	2
f)	an understanding of professional and ethical responsibility	45	41	5	6	3
g)	an ability to communicate effectively	52	32	11	4	1
h)	the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context	48	42	7	2	1
i)	a recognition of the need for, and an ability to engage in life-long learning	32	47	14	4	3
j)	a knowledge of contemporary issues	35	29	32	3	1
k)	an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	50	25	9	9	7

(All figures in percentages)

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission
