# **Annual Quality Assurance Report**





# School of Life Sciences Manipal Academy of Higher Education, Manipal

(2017-18)



# **Annual Quality Assurance Report (AQAR)**in Accredited Institutions

(Revised in October 2013)



## राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

#### NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

#### The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

rait – A					
AQAR for the year (for example 2	2013-14)	2017-18			
I. Details of the Institution	1				
1.1 Name of the Institution	School of	Life Sciences			
1.2 Address Line 1	Planetarium Complex				
Address Line 2	Manipal A	Academy of Higher Education			
City/Town	MANIPAL	, UDUPI			
State	KARNATAKA				
Pin Code	576104				
Institution e-mail address	mlsc@manipal.edu				
Contact Nos.	+91 820 2	922058; +91 820 2922702			
Name of the Head of the Institution	K Satyamoorthy				
Tel. No. with STD Code:	+91 820 2	2571925			
Mobile:	+91 9845	718604			
Name of the IOAC Co-ordinator:	Dr. TG Vasudevan				

Name of the IQAC Co-ordinator:

Mobile:			+91 9741	]				
IQAC e-mail address: iqa				iqac.sols	@manipal.edu			
1.5 Website address:			https://n	https://manipal.edu/sls-manipal/about-sls/IQAC.html				
						7.2.10		
Web-link of the AQAR:				https://m	nanipal.edu/sls-m	nanipal/about-sls	i/IQAC.html	
		For ex. h	ttp://www	.ladykeane	ecollege.edu.in/	AQAR2012-13.	.doc	
1.6	Accredita	tion Details						
	Sl. No.	Cycle	Grade	CGPA	Year of	Validity		
-	1	•			Accreditation	Period		
_	2	1 <sup>st</sup> Cycle 2 <sup>nd</sup> Cycle	B+ A	3.30	2002	5 yrs		
L		- 3				,		
1.7 I	Date of Est	ablishment o	f IQAC :	I	DD/MM/YYYY	03/06/2013		
		-	-		ed to NAAC afte. 0-11submitted to			
	i. AQAR	2013-14		21/05/20	016	(DD/MM/YYYY	Y)	
		2014-15		21/05/20		(DD/MM/YYY)		
		2015-16 2016-17		05/01/2017 (DD/MM/YYYY) 03/01/2018 (DD/MM/YYYY)				
iv. AQAR_2016-17					. (= = , -, -, -, -, -, -, -, -, -, -, -, -, -	-,		
Ţ	University			State	Central	Deemed 🗸	Private	
	Affiliated (	College		Yes	No 🗸			
(	Constituen	t College		Yes 🗸	No			
A	utonomou	s college of V	UGC	Yes	No 🗸			
R	Regulatory	Agency appr	oved Instit	ution	Yes 🗸 N	lo 📗		
(e	g. AICTE,	BCI, MCI, I	PCI, NCI)					
Type of Institution Co-education    Men    Women								
		U	rban		Rural 🗸 T	ribal		
	Financial S	Status	Grant-in-a	id	UGC 2(f)	UGC 12B	]	
		G	rant-in-aid	+ Self Fina	ncing Tot	tally Self-financi	ng 🗸	

1.10 Type of Faculty/Programme						
Arts Science Commerce Daw PEI (Phys Edu)						
TEI (Edu) Engineering Hea	lth Science		Management			
Others (Specify)						
1.11 Name of the Affiliating University (for the Colleges)  Not applicable (NA)						
1.12 Special status conferred by Central/ State Government UGC/CSIR/DST/DBT/ICMR etc						
Autonomy by State/Central Govt. / University	NA					
University with Potential for Excellence	NA	UG	C-CPE	NA		
DST Star Scheme	NA	UG	C-CE	NA		
UGC-Special Assistance Programme	NA	DS	T-FIST	✓		
UGC-Innovative PG programmes	NA	Any	y other (Specify)	TIFAC-CORE		
UGC-COP Programmes	NA					
2. IQAC Composition and Activit	<u>ies</u>	1				
2.1 No. of Teachers	9					
2.2 No. of Administrative/Technical staff	2					
2.3 No. of students	1					
2.4 No. of Management representatives	1					
2.5 No. of Alumni	1					
2. 6 No. of any other stakeholder and	0					
community representatives						
2.7 No. of Employers/ Industrialists	0					
2.8 No. of other External Experts	0					
2.9 Total No. of members	14					

2.10 No. 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.
(ii) Themes
2.14 Significant Activities and contributions made by IQAC
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
* Attach the Academic Calendar of the year as Annexure.
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

#### I. 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	1	0	1	-
PG	4	0	4	-
UG	1	0	1	-
PG Diploma	1	0	1	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	1	0	1	-
Others	-	-	-	-
Total	8	0	8	-
Interdisciplinary	3	1	4	-
Innovative	-	-	-	-

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

Pattern	Number of programmes
Semester	6
Trimester	0
Annual	0

	Annual	0	
1.3 Feedback from stakeholders* (On all aspects)	Alumni Pare	nts Employers	Students
Mode of feedback :	Online Man	ual Co-operating scl	hools (for PEI)
*Please provide an analysis of the fee 1.4 Whether there is any revision/u		syllabi, if yes, mention their	r salient aspects.
<ol> <li>Approved integration of non-Cl B.Sc. Biotechnology course (BoS)</li> <li>Approved regulation and syllabuland revised regulations for MSc</li> <li>Approved modification in marks Diagnostics program, as per Kl regulations for M.Sc. Medical Biological Biological Program (Bos)</li> </ol>	, September 2017) us of Post-graduate Diplo by Research in Life Scien s distribution for second TS regulations, and inte	oma program in Cellular and N ces program (BoS, March 201 semester of PG Diploma in C gration of non-CBCS repeate	Molecular Diagnostics, 8) ellular and Molecular
1.5 Any naw Danartment/Centra in	stroduced during the ve	por If you give details	

#### Criterion - II

#### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
25	6	6	9	4

2.2 No. of permanent faculty with Ph.D.

21

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

Asst. Profes	reore	Associa Profess		Profes	sors	Others		Total	
R	V	R	V	R	V	R	V	R	V
1	0	0	0	0	0	0	0	1	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

0	14	0
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	8	6	
Presented papers	8	6	
Resource Persons	5	3	

- 2.6 Innovative processes adopted by the institution in Teaching and Learning:
  - Teacher guardian for first year students
  - Coaching for slow learners
- 2.7 Total No. of actual teaching days during this academic year

~285 (excluding examination days)

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

Digital examination for all degree courses

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

8 (BoS)	NA	NA
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2.10 Average percentage of attendance of students

~85

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students	Division				
	appeared	Distinction %	I %	II %	III %	Pass %
BSc Biotechnology	41	22	12	0	0	7
MSc Medical Biotechnology	13	5	7	0	0	1
MSc Mol. Biol. & Hum. Genet.	15	6	8	0	0	1
MSc Bioinformatics	7	4	2	0	0	1
PG Diploma (CMD)	NA	NA	NA	NA	NA	NA

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

Every subject has a teaching schedule drawn. Every class is registered through an online attendance. Students provide feedback on faculty and services. Every student is monitored and evaluated via internal assessment examinations, seminar presentations and assignments.

#### 2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	25
UGC – Faculty Improvement Programme	NA
HRD programmes	NA
Orientation programmes	0
Faculty exchange programme	0
Staff training conducted by the university	6
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	25
Others	0

#### 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	18	0	0	0
Technical Staff	23	0	0	0

#### Criterion - III

#### 3. Research, Consultancy and Extension

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

Faculty members encouraged to apply and procure research grants,

Results of research published in peer-reviewed, indexed journals.

Publishing faculty members rewarded as per the research policy of the University.

Every student undertakes a research project as part of the curriculum.

A new MSc program by research with 3 semesters of research work.

Researchers are encouraged to participate and present their work in conferences/symposia.

Infrastructure development to ensure research in contemporary areas

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	11	7	45
Outlay in Rs. Lakhs	71.10	382.51	115.20	1885

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil	7	3	7
Outlay in Rs. Lakhs	Nil	70.26	36.30	19.56

3.4 Details on research publications

	International	National	Others
Peer Review Journals	38	0	0
Non-Peer Review Journals	0	0	0
e-Journals			
Conference proceedings	0	0	0

3.5 Details on Impact factor of publications:

Range	1.3-27.9	Average	3.36	h-index	8	Nos. in SCOPUS	35
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3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Noture of the Project	Duration	Name of the	Total grant	Received
Nature of the Project	Year	funding Agency	sanctioned	
Major projects	3-5	DBT, DST, IGSTC	792.18	257.61
Minor Projects	1-3	ICMR, DST	120.82	60.40
Interdisciplinary Projects				
Industry sponsored			3.09	3.09
Projects sponsored by the				
University/ College				
Students research projects (other than compulsory by the University)				
Any other(Specify) (AGE)			·	
Total			916.09	321.10

3.7 No. of books published	l i) With ISE	BN No.	0	Chapte	ers in Edite	d Books 1	
3.8 No. of University Depa	ii) Without		Ľ			0	
	DDE _	0	CAS	0	DST-F DBT S	IST 1	
3.9 For colleges		0	CPE CE	0		tar Scheme C	
3.10 Revenue generated th	rough consult	ancy	1.41 la	akhs			
3.11 No. of conferences	Level	Intern	ational	National	State	University	College
organized by the Institution	Number Sponsorin agencies	g AIST DST,	, DBT, MU	DST, MU	SBC(I), MU	7 ThermoFisher, MU	0 NA
3.12 No. of faculty served	as experts, ch	airpersons	s or reso	arce person	ns 25	]	
3.13 No. of collaborations		nternation	al	Nationa	ıl	Any other	
3.14 No. of linkages create	ed during this	year					
3.15 Total budget for resear	arch for curren	it year in l	akhs:				
From Funding agency	321.10	From M	<b>1</b> anagem	ent of Uni	versity/Col	llege 959.96	
Total	1281.06	]					
2 16 No. of potents receive	ad this year			ı			
3.16 No. of patents receive	cu uns year	•	of Patent	Applie	d	Number 3	
		National		Grante Applie	d	0	
		Internation	onal	Grante	d	0	
		Commerc	cialised	Applie Grante		0	

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
ſ	33	19	4	3	7	0	

3.18 No. of faculty from the Institution who are Ph. D. Guides	14	
and students registered under them	51	
3.19 No. of Ph.D. awarded by faculty from the	Institu	tion

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

JRF	21	SRF 9	Project Fellows	18	Any other	1
3.21 No. of student	ts Participated	l in NSS events:				
			University level	0	State level	0
			National level	0	International level	0
3.22 No. of studen	ts participated	d in NCC events:	University level	0	State level	0
3.23 No. of Award	ds won in NSS	S:	National level	0	International level	0
			University level	0	State level	0
			National level	0	International level	0
3.24 No. of Award	ds won in NC	C:				
			University level	0	State level	0
			National level	0	International level	0
3.25 No. of Extens	ion activities	organized				

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

College forum

3

Any other

- Science Day residential program for a week, culminating in a science exhibition for public, including school students (Feb 2018)
- Student forum organised lectures on a range of topics by external experts

NSS

- Student Council visited and donated essentials to old age home and orphanage
- Workshops and demonstrations arranged for students from schools and colleges in the state
- Books donation and other activities, as part of Daan Utsav

University forum

NCC

#### Criterion - IV

#### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of	Total
			Fund	
Campus area	27500 sq.			27500 sq.
	ft.			ft.
Class rooms	5	0	Institutional	5
Laboratories	25	0		25
Seminar Halls	3	0		0
No. of important equipments purchased	> 472	8	Institutional	>480
$(\geq 1-0 \text{ lakh})$ during the current year.	> 472	0	mstrutionar	/ <del>1</del> 00
Value of the equipment purchased during		48.64		
the year (Rs. in Lakhs)		40.04		
Others				

#### 4.2 Computerization of administration and library

Faculty, staff and students have access to computer, internet and Wi-Fi facility throughout the premises. Library resources are easily accessible through intranet as well as internet, providing access to thousands of online journals, books, databases and other resources. Online attendance record is available for every student via secure login. Student feedback on faculty and services is administered online at the end of every term.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books						
Reference Books	435		15		450	
e-Books						
Journals						
e-Journals						
Digital Database						
CD & Video						
Others (specify)						

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
Existing	185	3	Yes	NA	NA	8	0	92
Added	05	-	Yes	NA	NA	0	0	02
Total	190	3	Yes	NA	NA	8	0	94

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

All teachers, students, researchers and staff have Wi-Fi and internet connectivity in the premises

4.6 Amount spent on maintenance in lakhs:

i) ICT 10.14

ii) Campus Infrastructure and facilities 49.23

iii) Equipments 108.68

iv) Others 8.76

> Total: 176.81

Criterion - V

#### 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Orientation program for new students of every batch, providing details about the various support services available at the University and the School

5.2 Efforts made by the institution for tracking the progression

Teacher-guardian for every student

Regular feedback to students and parents (during the program)

Faculty in touch with students regarding their progression

Alumni cell and coordinator, contact via emails (after graduation)

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
152	104	51	20

(b) No. of students outside the state

145

(c) No. of international students

18

Men

No	%	
101	32	Wom

nen

No	%
212	68

	General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
	244	06	0	12	0	262	185	1	2	56	0	295
Demand ratio 10:1 Dropout % 6												
5.4 Details of student support mechanism for coaching for competitive examinations (If any)												
	Nil											
	No. of stu	dents	bene	eficiari	es				_			
5.5 N	o. of stude	nts q	ualifi	ed in tl	nese examinati	ons						
N	NET	3		SET	SLET 1	GA	TE (	6	C	AT	NA	
L	AS/IPS etc		_	State	e PSC 2	J ] UP	SC [		O	thers		
		0			0			0				
5.6 D	etails of st	udent	cou	nselling	g and career gu	idance						
	Students	need	ding o	ounse	ling are referr	ed to th	e Student	: Affa	irs de	partm	ent of the U	Iniversit
	Teacher-	guard	dians	also m	onitor and cou	ınsel stu	idents on	a reg	gular	basis.		
•	No. of s	tuder	its be	nefitte	d	1						
5.7 D	etails of ca	ımpus	s plac	ement								
	On campus								Off Campus			
					пситриз					<i>Oj</i>	Cumpus	
	Numl Organi Vis			Nun	nber of Student Participated		Number of dents Plac		Nur		f Students P	laced
_	Organi	zatio		Nun	nber of Studen				Nur		<u> </u>	laced
5.0 D	Organi Vis	zation ited	ns	Nun	nber of Studen Participated	Stud			Nur		<u> </u>	laced
5.8 D	Organi Vis etails of ge	zation ited	ns	Nun	nber of Studen	Stud			Nur		<u> </u>	laced
5.8 D	Organi Vis	zation ited	ns	Nun	nber of Studen Participated	Stud			Nur		<u> </u>	laced
	Organi Vis etails of ge	zation	sens	Nun	nber of Studen Participated	Stud			Nur		<u> </u>	laced
5.9 S	Organi Vis etails of ge Nil tudents A	zation ited ender ctivi	sens	Nun	nber of Studen Participated	Stud	dents Plac	ced			<u> </u>	laced
5.9 S	Organi Vis etails of ge Nil tudents A 9.1 No.	zationited ender ctivited	sens	Nun	nber of Student Participated  n programmes	Stud	es and otl	ced	vents	mber o	<u> </u>	laced
5.9 S	Organi Vis etails of ge Nil tudents A 9.1 No. State	ender ctivi of stu	sens ties udent	Nun itizatio	nber of Student Participated  n programmes	ts, Gam	es and oth	ner ev	vents	mber o	f Students P	
5.9 S	Organi Vis  etails of ge Nil  tudents A  9.1 No. State No.	ender ctivi of stu	sens ties ident	Nun itizatio	nber of Student Participated  n programmes  cipated in Sport  of the student of t	ts, Gam	es and otl	ner ev	/ents	nber o	f Students P	
5.9 S	Organi Vis  etails of ge Nil  tudents A 9.1 No. State No. State	ender ctivi of stu e/ Un of stu	sens ties udent ivers	Nun itizatio	nber of Student Participated  n programmes  cipated in Sport  of the student of t	ts, Gam National Iral ever	es and other level tis	ner ev	vents I	nterna	f Students P	0
5.9 S 5.	Organi Vis  etails of ge Nil  tudents A 9.1 No. State No. State	ender  ctivi  of stu  e/ Un  of mo	sens ties udent ivers ivers	Nun itizatio s partic ity leve s partic ity leve /aware	nber of Student Participated  n programmes  cipated in Sport cipated in cultured  ds won by stud	ts, Gam National Iral ever	es and others level [Sports, Ga	ner ev	vents I and c	interna	f Students P	0

This Year

Last Year

#### 5.10 Scholarships and Financial Support

	Number of students	Amount (in lakhs)
Financial support from institution	36	19.61
Financial support from government	5	0.91
Financial support from other sources	1	0.5
Number of students who received International/ National recognitions		

5.11 Student organised / initiative	S					
Fairs : State/ University level	0	National level	0	International level	0	
Exhibition: State/ University level	1	National level	0	International level	0	
5.12 No. of social initiatives unde	3					
5.13 Major grievances of students (	.13 Major grievances of students (if any) redressed:					

#### Criterion - VI

#### 6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: To be the centre of excellence in basic and biomedical research, education and diagnostics

 $\label{eq:mission:missio:miss$ 

community in the field of human health

6.2 Does the Institution has a management Information System

Yes. The institution has an intranet portal and faculty and students can access the same. Circulars are emailed and uploaded on the site and students and staff can access it. Management makes use of the Microsoft software for leave approvals, purchase and inventory management. Student information portal provides marks, attendance and other academic information to students and parents.

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

#### 6.3.1 Curriculum Development

- Identify current areas of relevance and update the curriculum periodically
- Moved towards Choice-based credit system for all courses
- Introduction of new courses of futuristic relevance
  - 6.3.2 Teaching and Learning

Revised	Guidelines	of IOAC and	l submission	of AOAR
Neviseu	unincilles	טו וטהע מווע	ม อนเบเบเออเบบ	טו הטהוי

622	Examination	and Evaluation
h 1 1	Examination	i and Evaluation

- Examination via e-pads and online evaluation of answer scripts
- To enhance student graduation rate (target: 1% better than average of three previous batches)

#### 6.3.4 Research and Development

Set measurable targets for projects in cutting edge areas of science, improved publication record in indexed journals

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

Improve number of books procured in relevant areas of teaching and research

#### 6.3.6 Human Resource Management

#### 6.3.7 Faculty and Staff recruitment

Recruitment of employees is as per the university policy and guidelines, with publications and conference presentations requisite as a reflection of research capability. Every staff member receives Provident fund, Study leave, healthcare (Medicare, ESI etc.) benefits.

#### 6.3.8 Industry Interaction / Collaboration

Seek and promote industry collaborations

#### 6.3.9 Admission of Students

- Increase number of applications for every course, through active interactions
- Reduce attrition rate of students

#### 6.4 Welfare schemes for

Teaching	Provident fund, school fees for reimbursement, LTC, Housing allotment, MU interest subsidy on utility loan subsidy, Medicare facility, National Pension
	Scheme, Sodexo meal coupons, Scholarship on course fee of spouse, children,
	employees, support for attending conferences, publications.
	Provident fund, school fees reimbursement, Medicare facility, ESI scheme,
Non-teaching	scholarship for course fee for spouse, children and employees, Felicitation of
	employees, Best service award
	Medicare facilities, Anti-ragging committee, Counselling, Felicitation of
Students	students for co-curricular and academic activities, Support for attending
	conferences

6.5 Total corpus fund generated

6.6 Wh	ether annual financial	audit has been	done Yes	✓ No			
6.7 Wh	ether Academic and A	Administrative A	Audit (AAA) has	been done?			
	Audit Type	pe External		Internal			
		Yes/No	Agency	Yes/No	Authority		
	Academic	Yes	TUV	Yes	Self		
	Administrative	Yes	TUV	Yes	Self		
6.8 Doe	es the University/ Aut	onomous Colle	ge declares result	s within 30 days	?		
For UG Programmes Yes ✓ No							
	For	PG Programm	es Yes	V No			
6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?							
	<ul> <li>As part of University initiative introduced digital e-pads, replacing papers, for students to write their examinations</li> <li>Plans to introduce corrective examinations within a month of results declaration, for students to have a second chance at clearing examinations</li> </ul>						
6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?							
	NA						
6.11 Activities and support from the Alumni Association							
	Alumni are regularly updated about the activities of their alma mater and opportunities						
6.12 Activities and support from the Parent – Teacher Association							
Inputs from parents/guardians, where applicable, are incorporated to monitor the progress of students							
6.13 Development programmes for support staff							
	Undertaken at the University level						
6.14 Ini	itiatives taken by the i	nstitution to ma	ake the campus ec	co-friendly			
	Create awareness among students to reduce use of private vehicles inside the campus Reduce waste generation, energy consumption Segregated waste disposal system 'Swachh Bharath' campaigns initiated and held						

#### **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.
Choice based Credit System introduced for all UG and PG programs Digital Examinations for all courses High-end molecular diagnostic methods using NGS, MS
7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year
Not applicable
7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals)
<ul> <li>Research on contemporary topics of science</li> <li>Hands-on, live project for students at all levels</li> <li>Specialised diagnostics for public</li> </ul>
*Provide the details in annexure (annexure need to be numbered as i, ii,iii) 7.4 Contribution to environmental awareness / protection
<ul> <li>Institution has Environmental Management System (EMS) in place</li> <li>Students learn about sustainability science</li> <li>Students and employees participate in Swachh Bharath activities</li> </ul>
7.5 Whether environmental audit was conducted? Yes Vo
7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)
Nil
8. Plans of institution for next year
Sustain existing programs, excel in current academic and research programs, enhance student all round performance, provide coaching for competitive examinations, strive for national/international scholarships, increase outreach activities and programs for societal benefit.  Construction of new building (almost completed) and proposal for new programs – to be continued in 2018-19
Name <u>Dr. T.G. Vasudevan</u> Name <u>Dr. K Satyamoorthy</u>
Signature of the Coordinator, IQAC  ***  Signature of the Chairperson, IQAC  ***

#### **Annexure I**

#### **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

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