

Yearly Status Report - 2017-2018

Pa	rt A		
Data of the Institution			
1. Name of the Institution	Sathyabama Institute of Science and Technology		
Name of the head of the Institution	Dr. S. SUNDAR MANOHARAN		
Designation	Vice Chancellor		
Does the Institution function from own campus	Yes		
Phone no/Alternate Phone no.	04424503243		
Mobile no.	9444238423		
Registered Email	registrar@sathyabama.ac.in		
Alternate Email	vc@sathyabama.ac.in		
Address	Jeppiaar Nagar, Rajiv Gandhi Salai, Sholinganallur		
City/Town	Chennai-		
State/UT	Tamil Nadu		
Pincode	600119		

2. Institutional Sta	tus				
University			Deemed		
Type of Institution			Co-education	Co-education	
Location			Urban		
Financial Status			private	private	
Name of the IQAC of	o-ordinator/Directo	r	Dr. Anima Na	anda	
Phone no/Alternate	Phone no.		04424503153		
Mobile no.			9443786840		
Registered Email			iqac@sathyak	Dama.ac.in	
Alternate Email			vc@sathyabar	na.ac.in	
3. Website Addres	s				
Web-link of the AQAR: (Previous Academic Year)		<u>https://www.sathyabama.ac.in/academi</u> <u>cs/igac/agar</u>			
4. Whether Acader the year	nic Calendar pre	pared during	Yes		
if yes,whether it is u Weblink :	ploaded in the insti	tutional website:	<u>https://www.</u> igac	sathyabama.ac.	.in/academics,
5. Accrediation De	tails				
Cycle	Grade	CGPA	Year of	Vali	dity
			Accrediation	Period From	Period To
2	A	3.09	2017	14-Sep-2017	13-Sep-2022
6. Date of Establis	hment of IQAC		03-Jul-2007		
7. Internal Quality Assurance System					
	Quality initiatives	by IQAC during t	he year for promoti	ng quality culture	
			Duration	Number of particip	ants/ beneficiaries
Preparation for NAAC 10-Jun-2017 5000					

inspection.	90	
Stake Holder	06-Jun-2017 1	400
Review on teaching learning resources	08-Jun-2017 120	650
Review on teaching learning process	08-Jun-2017 120	1050
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Departmen t/Faculty	Scheme	Fundinç	g Agency	Year of award with duration	Amount
Centre of excellence for Energy Research	FAST	MH	IRD	2014 2190	40000000
Col.Dr. Jeppiaar Research Park	NSTEDB	D	ST	2013 1825	330000000
Department of Biotechnology	FIST	D	ST	2012 1825	8000000
Department of Computer Science	FIST	D	ST	2014 1825	2200000
Department of Physics	FIST	D	ST	2015 1825	7800000
Centre of Excellence for energy Research	FAST	MH	IRD	2014 2190	4000000
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. Whether compositio IAAC guidelines:	on of IQAC as per la	itest	Yes		
Jpload latest notification	of formation of IQAC		View	<u>File</u>	
10. Number of IQAC n /ear :	neetings held during	g the	5		
The minutes of IQAC me lecisions have been uplo vebsite			Yes		
Upload the minutes of m	leeting and action take	en report	View	<u>File</u>	
1. Whether IQAC rece	eived funding from :	anv of	No		

11. Whether IQAC received funding from any of	No
the funding agency to support its activities	
during the year?	

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Undergone NAAC reassessment in August 2017 and granted A Grade accreditation with a score of 3.09. 2. Participated in world Rankings and Ratings. The institution was ranked among 1449 institutions globally in Times Higher Education World Rankings 2017. QS has rated our institution with 4 star rating for overall excellence. 3. Skill development centre was established in association with Ministry of Skill Development and Entrepreneurship through which more skill development programs are conducted for all the students. 4. More international collaborations were initiated and conducted joint international conferences on different themes. Invited professors from the partnering institutions to handle part of our courses. Faculty exchange programme, student exchange program, semester abroad program, internship abroad program, research internship program were initiated. 5. In order to upskill the faculty members on ICT enabled innovative teaching learning pedagogy, workshops/FDP/Seminars were conducted which has increased the repository of more e resources at the institution.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes		
Proposal given to introduce new UG and PG programmes as per the industry and societal needs. The departments were instructed to design the curriculum for the newly proposed programmes.	New programmes introduced in the academic year 20172018 are: i) B.Sc Physics ii) B.Sc Chemistry iii) B.A English iv) M.E Embedded Systems and IoI v) M.Tech Industrial Systems and Biotechnology vii) M.E Thermal Engineering		
Motivate and encourage faculty members to do quality research and Development	Number of publications and projects has increased in terms of quality and quantity. Faculty members were rewarded and recognized based on their research contribution.		
Data collection and submission for NIRF Ranking - National Institutional Ranking Framework	National Institutional Ranking Framework (NIRF) has ranked Sathyabama in 44th position in the University category		
Participation in Global Ranking and Ratings	The institution has also been ranked 801+ among the Global Universities by Times Higher Education.		
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14. Whether AQAR was placed before statutory body ?	Yes		
Name of Statutory Body	Meeting Date		
Board of Management	03-Sep-2018		

pate of Visit	30-Aug-2017	
6. Whether institutional data submitted to ISHE:	Yes	
ear of Submission	2018	
ate of Submission	04-Mar-2018	
7. Does the Institution have Management nformation System ?	Yes	
yes, give a brief descripiton and a list of modules urrently operational (maximum 500 words)	The institution has a seamless, well integrated Management System with comprehensive integrated modules for both academics and administrative functions of the Institution. The modules of the Management Information System include the following. • Student Management System • Staff Management System • Admission Management • Online Fee Payments • Administration Management System • Library Management System • Learning Management System • Examination Management • Placement The solution has been built keeping in mind the requirements from the various departments. Regular feedback on the functionality of the Institution's Management Information System is sought from various stakeholders and periodical updates and upgrades are made to the system.	
Part B		

(RITERION I – CURRICULAR ASPECTS						
Ŀ	I.1 – Curriculum Design and Development						
	1.1.1 – Programmes for which syllabus revision was carried out during the Academic year						
	Name of Programme	Programme Code	Programme Specialization	Date of Revision			
	BE	18	Electronics and Instrumentation Engineering	04/11/2017			
	BE	13	Electronics and Communications Engineering	04/11/2017			
	Mtech	82	VLSI Design	04/11/2017			

ME	88	Embedded Systems	04/11/2017	
BE	14	Electronics and Electronics Engineering	04/11/2017	
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Aeronautical Engineering	05/06/2017	S26PT 1-Professional Training - 1	05/06/2017
BE	Aeronautical Engineering	05/06/2017	S26PT 2-Professional Training - 2	05/06/2017
BE	Aeronautical Engineering	05/06/2017	SAE1 302-Aircraft Propulsion	05/06/2017
BE	Aeronautical Engineering	05/06/2017	SAE1 403-Aviation Management	05/06/2017
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1.2 – Academic Flexibility

1.2.1 - New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction	
BE	SEC1316 CMOS VLSI design	05/06/2017	
BE	SCSX1061-PYTHON PROGRAMMING	05/06/2017	
MSc	Chemistry	06/01/2018	
ME	EMBEDDED AND IOT	05/06/2017	
BSc	COMPUTER SCIENCE	05/06/2017	
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
ME	EMBEDDED SYSTEMS	17/06/2017
ME	APPLIED ELECTRONICS	17/06/2017
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	17/06/2017
BE	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	17/06/2017
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	17/06/2017

BE	ELECTRONICS AND INSTRUMENTATION ENGINEERING	17/06/2017	
Mtech	VLSI DESIGN	17/06/2017	
ME	EMBEDDED AND IOT	17/06/2017	
BE	CSE	17/06/2017	
BTech	IT	17/06/2017	
MSc	PHYSICS	17/06/2017	
BE	Mechanical Engineering	17/06/2017	
BSc	Chemistry	17/06/2017	
MSc	Chemistry	17/06/2017	
BE	Mechanical & Production Engineering	17/06/2017	
BE	Civil Engineering	17/06/2017	
ME	Structural Engineering	17/06/2017	
BE	BIOINFORMATICS	07/06/2017	
BSc	PHYSICS	17/06/2017	
BE	Automobile Engineering	17/06/2017	
BArch	Architecture	17/06/2017	
.3 – Curriculum Enrichment			
1.3.1 – Value-added courses impartin	g transferable and life skills offered duri	ng the year	
Value Added Courses	Date of Introduction	Number of Students Enrolled	
AutoCAD	09/10/2017	172	
AutoCAD	23/10/2017	139	
AutoCAD	18/01/2018	112 125	
Basic Inventor	05/09/2017		
Basic Inventor	18/01/2018	82	
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L	der taken during the year		
Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships	
BE	Computer Science Engineering	420	
BE	Electronics and Communication Engineering	370	
BE	Electrical and Electronics Engineering	200	
BE	Electronics and Instrumentation Engineering	49	
BE	Electronics and Telecommunication Engineering	120	

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1.4 – Feedback System					
1.4.1 – Whether structured feedback received from all the stakeholders.					
Students Yes					
Yes					
Yes					
Yes					
Parents Yes					

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The feedback received from various stakeholders of the Institution viz. students, faculty, Alumni, Recruiters, collaborators, parents form a major part of input for the development of the Institution. The ideas, views and suggestions obtained are analyzed in detail and are considered for improving the quality of the Institution as a whole. This year significant change was incorporated to the curriculum based on the feedback received from the Industrial experts and Alumni. Credits are given under Non CGPA for Professional Development to the students. The credits are given for internship and semester abroad program undergone by the students at national and International level. Assignments, open ended problems, Quiz, Seminar, Presentation, and Case Studies pertaining to Complex Engineering Problems were introduced to students. The Students were provided access to all the research facilities in the Research Centres and encouraged to do the internships in the Centres too. Based on the feedback received from research collaborators a Research committee was formed, which regularly meet to discuss about the latest developments across the world in research. Such initiatives have facilitated the prevalence of research climate in the Institution. The board of research meets 6 months once to implement significant actions based on the feedback received. Joint Academic Programmes were offered to students in association with Virtusa, Infosys, IBM, Oracle and Cisco as a result of feedback received from the recruiters to enhance the employability skills of the students. The students were much benefited from the joint academic programmes and the initiative was an eye opener for the students to learn Industry oriented courses. Our teaching and learning strategies are based on the objective to make the students highly employable graduates. The various committees at the Institution viz. Board of Studies, Board of Management, Board of Research, Academic Council accepts constructive suggestions from the stakeholders and considers suggestions that contributes towards the betterment of the quality of the Institution.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Electronics and Instrumentation Engineering	60	1429	19
BE	Electronics	60	1629	21

	and Telecon cation Engineer:	ı –					
BE	and Electro	lectrical Electronics gineering		120		7954	99
BE	Electron and Communicat Engineer:	tion	600			29580	469
BE	Comput Science a Engineer:	and	4	100		44348	858
			<u>View</u>	v File			
2 – Catering to S	Student Diversity						
.2.1 – Student - Fu	ull time teacher ratio	o (curren	t year data)			
Year	Number of students enrolled in the institution (UG)	student in the i	nber of s enrolled nstitution PG)	Numbe fulltime tea available instituti teaching or course	achers in the on nly UG	Number of fulltime teacher available in the institution teaching only P courses	e teaching both UG and PG courses
2017	2483		433	47	5	362	837
-	of teachers using loetc. (current year da		fective tead	ching with L	earning	Management S	ystems (LMS), E-
-	-	ita) ICT T reso	ffective tead ools and ources iilable	Number o enable Classroo	of ICT ed	Management S Numberof sma classrooms	
arning resources e Number of	etc. (current year da Number of teachers using ICT (LMS, e-	ita) ICT T reso	ools and ources	Number o enable	of ICT ed oms	Numberof sma	rt E-resources and
Arning resources e Number of Teachers on Roll	Number of teachers using ICT (LMS, e- Resources) 837	ita) ICT T reso ava	ools and burces hilable 150	Number o enable Classroo	of ICT ed oms	Numberof sma classrooms 23	rt E-resources and techniques used
Arning resources e Number of Teachers on Roll	Number of teachers using ICT (LMS, e- Resources) 837	ICT T reso ava	ools and burces hilable 150 of ICT	Number o enable Classroo 11 Tools and	of ICT ed oms 0 d reso	Numberof sma classrooms 23	rt E-resources and techniques used
Arning resources of Number of Teachers on Roll 837 .3.2 – Students me	etc. (current year da Number of teachers using ICT (LMS, e- Resources) 837 <u>View</u> <u>View Fil</u> entoring system ava	ICT T reso ava <u>File</u> ailable in	ools and burces hilable 150 <u>of ICT</u> <u>E-resour</u> the institut	Number o enable Classroo 11 Tools and ces and t tion? Give d	of ICT ed oms 0 d reso techni etails. (Numberof sma classrooms 23 ources .ques_used maximum 500 w	rt E-resources and techniques used

academics. Top t	hree rank holde	ers rece	ive 30, 20 a	and 10 fee w	vaive in t	the conse	cutive	e academic year.
Number of students enrolled in the institution			Number of fulltime teachers N			М	Mentor : Mentee Ratio	
12948	3		8	337				1:15
2.4 – Teacher Profile a	and Quality							
2.4.1 – Number of full tir	me teachers ap	pointed	I during the	year				
No. of sanctioned positions	No. of filled po	sitions	Vacant p	ositions		ns filled de surrent ye	•	No. of faculty with Ph.D
837	831			6		6		362
2.4.2 – Honours and rec nternational level from G						gnition, fe	ellows	hips at State, National,
Year of Award	receivi state lev	ing awa	e teachers rds from onal level, Il level	Des	signatior)	fello	ame of the award, wship, received from rnment or recognized bodies
2018	Dr.M.	. Sunda	areswari	Pr	ofesso	or	Elected as felle of Academy of sciences,	
2018	JA	Dr D S YALAKSHMI		Assistant Professor		Young Achiever Award from Institute for exploring Advances in engineering		
2018	2018 Dr.		r.V.K.Bupesh Raja		Professor		Fei f: Div: U	verseas Research llowship (ORF) rom Materials ision, National Mniversity of ngapore (NUS), Singapore.
2018	R.I	Navas Professor Ins Authori Azad Four Affair		Professor A		General Inspection hority, Maulana zad Education Foundation, stry of Minorty fairs, Govt of Indis		
			<u>View</u>	<u>v File</u>				
2.5 – Evaluation Proce	ess and Refor	rms						
2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during ne year								
Programme Name	Programme (Code	Semest	er/ year	semest	ate of the ter-end/ y examinati	ear-	Date of declaration of results of semester- end/ year- end examination
BE	14			5	10	/01/20	18	31/01/2018
BE	13			5	10	/01/20	18	31/01/2018

	BSc	27			5	20)/11/2019	31/01/2018		
	BCom	74			5	27	7/11/2017	31/01/2018		
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	2.5.2 – Average percer he examinations during		compla	aints/grievar	nces about e	evaluati	on against total	number appeared in		
	Number of complaints about evalua	-	Total r	number of st in the exa		eared	Pe	ercentage		
	92			12	2680			0.72		
2	2.6 – Student Perform	.6 – Student Performance and Learning Outcomes								
	2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the nstitution are stated and displayed in website of the institution (to provide the weblink)									
	https://www.sathyabama.ac.in/academics/schools									
	2.6.2 – Pass percentag	je of students								
	Programme Code	Programme Name	-	gramme ialization	Numbe studen appeared final ye examina	its in the ear	Number of students passe in final year examination			
	11	BE	Sc	omputer iecne neering	42	0	401	95.48		
	13	BE	and C at	tronics Communic tion neering	37	6	356	94.68		
	14	BE	Elect	ectrical and tronics neering	20	0	190	95		
	18	BE	and I nta	tronics instrume ation neering	49)	45	85.71		
				<u>View</u>	<u>r File</u>					
2	2.7 – Student Satisfa	ction Survey								
	2.7.1 – Student Satisfa questionnaire) (results a	• •	,		•	ormance	e (Institution ma	y design the		
		<u>https:/</u>	/www.s	sathyabam	a.ac.in/	acade	mics/igac			
(CRITERION III – RE	SEARCH, INI	NOVA	TIONS AN	D EXTEN	SION				
3	3.1 – Promotion of Re	esearch and F	acilities	S						
,	3.1.1 – Teachers award	ded National/Inte	ernation	al fellowshi	p for advan	ced stud	lies/ research d	uring the year		
	Туре	Name of the te awarded th fellowshi	ne	Name of t	he award	Dat	e of award	Awarding agency		

National	Ms.V.Am Rani	ala	Topper in NPTEL online certification	1'	7/10/2017	NPTEL	
International	Brijitt	a J	Postdoctoral Fellowship	0:	L/09/2017	Lund University, Sweden	
International	Brijitt	a J	Travel Grant (Large Scale Facilities)	0,	7/02/2018	Institut Laue Langevin, Grenoble, France	
			<u>View File</u>				
3.1.2 – Number of JRFs enrolled during the year	s, SRFs, Post D	octoral	Fellows, Research Asso	ociates	and other fellow	vs in the Institution	
Name of Research	fellowship	D	ouration of the fellowship)	Func	ling Agency	
Junior Res Fellowsh			365		-	ma Institute of nd Technology.	
Junior Res Fellowsh			1095			ma Institute of nd Technology.	
National Post Fellowsh			365			DST	
Junior Res Fellowsh			547		CVRDE,	RDE, DRDO, Chennai.	
			<u>View File</u>				
.2 – Resource Mobili							
3.2.1 – Research funds	sanctioned and	receiv	ed from various agencie	es, indu	stry and other c		
Nature of the Project	Duration		Name of the funding agency		otal grant anctioned	Amount received during the year	
Major Projects	1825		DST-FIST		2200000	0	
Major Projects	1825		Department of Science and Technology (DST)-FIST		2200000	0	
Major Projects	1825		DST-FIST	ST 5600000		2500000	
			<u>View File</u>				
3.3 – Innovation Ecos	ystem						
3.3.1 – Workshops/Sem practices during the year		ed on In	tellectual Property Righ	ts (IPR) and Industry-A	cademia Innovative	
Title of workshop	/seminar		Name of the Dept.			Date	
Workshop or Designir	-				//06/2017		
Business Inte in Real Wo			Engineering Computer Science 07/07/2017 Engineering			//07/2017	

Computer Science

Engineering

31/07/2017

Applications

FDP on Computer Vision

A Short ter Deep Learr Computer	formatio	n Techno	logy	05	05/03/2018		
IoT with Ra	aspberry Pi	In	Information Technology 2			20/07/2017	
			<u>View</u>	<u>r File</u>			
3.3.2 – Awards for In	novation won by l	nstitutio	n/Teachers	Research s	cholars	/Students durin	g the year
Title of the innovation	on Name of Awa	ardee	Awarding	Agency	Dat	e of award	Category
2 Topper in NPTEL online certification course on Powe System Analysi	r	vitha	NPTEI	, IIT gpur	06	5/07/2017	Elite Topper in Power System Analysis
Top Performing Mentor for the NPTEL Online Course of Powe System Analysi	r		NPTEI Khary	gpur	06	5/07/2017	Top Performing Mentor
5 Topper in NPTEL online certification course		itha	NPTEI	, IIT gpur	03	3/01/2018	Elite Topper in Research Writng
Top 2 in NPTEL online certification course - Research Writing	Dr.D.Sus	itra	NPTEI	, IIT gpur	03	3/01/2018	Elite Topper in Research Writng
Project Competition	Mr.Samy Sreyash	-	IIT,	Mumbai	10)/06/2017	Student
			<u>View</u>	<u>r File</u>			
3.3.3 – No. of Incuba	tion centre create	d, start-	ups incubat	ed on camp	ous durir	ng the year	
Incubation Center	Name	Spon	sered By	Name of Start-u		Nature of Star up	rt- Date of Commencement
TBI (DST- NSTDEB)	Mr. Partha sarathy C		DST	Dot2G	lobe	SAAS	18/07/2017
TBI (DST- NSTDEB)	Mr. Jeyakumar		DST	JS] Desig		Patent Drafting	01/03/2018
			No file	uploaded	ι.		•
3.4 – Research Pub	lications and Av	wards					
3.4.1 – Ph. Ds award	led during the yea	r					
Nam	Name of the Department					nber of PhD's A	warded
	Physics					3	
Co	omputer Scien	ce				1	
	Life Sciences	3				3	
Computer S	Science and E	ngine	ering			36	

Electronics	18					
Electrical	б					
Mechanical	11					
Bio Engineering	4					
Civil Engineering	2					
Business Administration	8					
English	1					
Maths	3					
342 - Research Publications in the Journals potified of	1.2 – Research Publications in the Journals notified on LIGC website during the year					

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Туре	Department	Number of Publication	Average Impact Factor (if any)			
International	Computer Science Engineering	13	0.3			
National	Information Technology	3	0.4			
International	Information Technology	39	0.9			
International	Electronics and Communication Engineering	22	1.4			
International	Electrical and Electronics Engineering	35	1.6			
<u>View File</u>						

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Biomedical Engineering	4
Electronics and Telecommunication Engineering	3
Electrical and Electronics Engineering	7
Electronics and Communication Engineering	38
Information Technology	3
View	v File

3.4.4 - Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
A device which indicates ground water leve and avoids damage to motor	Filed	201741026170	24/07/2017
Electronic time table planner kit	Published	201741043407	04/12/2017

for Juveniles			
Dynamic Control of Street Lights with Human Mobility, Illumination	Filed	201741042771	29/11/2017
Autonomous Fuzzy Based Robot for Agri Activities	Published	R20184011656	18/04/2018
Exclusive Acute Bags for Striplings	Published	201741043409	04/12/2017
	View	<u>/File</u>	

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A new species of Lysmata Risso, 1816 (Crus tacea, Decapoda, Lysmatidae) from the Gulf of Mexico	Prakash, S., Baeza, J.A.	Zootaxa	2017	12	Sathyabama Institute of Science and Technology	12
Automated Guided Vehicle for Phsically Handicappe d People - A Cost Effective Approach	Arun Kumar, G., Sivasubram aniam, A.	IOP Conference Series: Materials Science and Engine ering	2017	Nill	Sathyabama Institute of Science and Technology	Nill
Performa nce, Combu stion, and Emission Analysis of Neat Palm Oil Biodiesel and Higher Alcohol Blends in a Diesel Engine	Devarajan, Y., Munuswamy, D.B., Maha lingam, A., Nagappan, B.	Energy and Fuels	2017	70	Sathyabama Institute of Science and Technology	70

						-
Effect of chevron on the decay char acteristic s of compr essible round jet	Senthil Velavan, S., Vijaya raja, K.	Internat ional Journal of Mechanical and Production Engineerin g Research and Develo pment	2017	Nill	Sathyabama Institute of Science and Technology	Nill
Engine p erformance and emission c haracteris tics of 1-octanol blended bio-diesel in a single cylinder diesel engine	Sriram, V., Jeevahan, J., Magesh waran, G., Brittojose ph, G., Durairaj, R.B.	Internat ional Journal of Mechanical and Production Engineerin g Research and Develo pment	2017	6	Sathyabama Institute of Science and Technology	6
			<u>View File</u>			
3.4.6 – h-Index o	f the Institutiona	Publications du	ring the year. (ba	ised on Scopus/	Web of science)
Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Emissions analysis on diesel engine fueled with palm oil biodiesel and pentanol blends	Radhakri shnan, S., Devarajan, Y., Mahali ngam, A., Nagappan, B.	Journal of Oil Palm Research	2017	22	1	Sathyabama Institute of Science and Technology
Isolation of fucoidan from Sargassum polycystum brown algae: Structural characteri zation, in vitro anti	Palanisa my, S., Vinosha, M., Marudh upandi, T., Rajasekar, P., Prabhu, N.M.	Internat ional Journal of Biological Macromolec ules	2017	128	Nill	Sathyabama Institute of Science and Technology

oxidant and anticancer activity										
Automated risk ident ification using NLP in cloud based deve lopment en vironments	mar,	ayaku K., 1, C.	Journal of Ambient Intelligen ce and Humanized Computing	1	017	41	Ni	11	Sathyabama Institute of Science and Technology	
Emission analysis on the effect of nanopartic les on neat biodiesel in unmodified diesel engine	A.K., krisl R.B Devar	dian, Rama hnan, .B., rajan,	Environm ental Science and Pollution Research		2017 113		1		Sathyabama Institute of Science and Technology	
Performa nce, Combu stion, and Emission Analysis of Neat Palm Oil Biodiesel and Higher Alcohol Blends in a Diesel Engine	Y Munus D.B., ling A Nagaj	ajan, ., Wamy, Maha gam, ., opan, 	Energy and Fuels	2	017	38	Ni	11	Sathyabama Institute of Science and Technology	
				View	<u>v File</u>					
3.4.7 – Faculty p	articipat	ion in Se	minars/Confer	ences and	Sympos	sia during the ye	ar			
Number of Fac	culty	Inter	national	Natio	onal	State	e		Local	
Attended/ nars/Worksh			190	2	230	76	5		68	
Present papers	ed	67		4	£07	35	5		510	
Resourc		56			66	12	2		25	
			N	o file	upload	led.				
8.5 – Consultan	-									
3.5.1 – Revenue	-		· ·			ultipa/Coorseries		01/010	o gonoroto -l	
Name of the Co departm			Name of consu project	nancy	Const	ulting/Sponsoring Agency			e generated t in rupees)	

Mr.B.Padmanabl	han	Theoretic practical so for vari industrial p	olutions .ous	Theoretical and practical solutions for various industrial problems			200000
Computer Scien Engineering	nce	product	Online based production management system		Different Hair Pvt Ltd,Chennai		500000
Dr.A.Sivasanga Dr.P.Ajitha	Dr.A.Sivasangari, Dr.P.Ajitha m		Bulk milk cooler monitoring system		ar milk pvt ltd		100000
Electronics a Communication Engineering		Energe Conservation LED Applia	n using	JS	IP DESIGN		47000
Mr.Senthil Nayagam.V		Energy man and audi		Tec! Solutic	edamrit hnology ons Private d, Chennai		320000
			<u>View</u>	<u>r File</u>			
3.5.2 – Revenue genera	ated fr	om Corporate Tra	aining by th	e institution	during the year		
Name of the Consultan(s) department	Consultan(s) programme		Agency seeking / training		Revenue generated (amount in rupees)		Number of trainees
Dr. R. Aroul Canessane,CSE		ontent Model evelopment	BITS PILANI- WIPRO Technologies		169500		100
Dr. G. Mathivanan and Mrs. V. Vijeya Kaveri	PG	(MS) level course	Wipro Techno ogies,employee of Chennai		50000		30
Mr.Senthil Nayagam.V		Energy agement and auditing	Ved Techn Solut Priv limi Cher	ions vate ted,	50000		4
Electronics Instrumentation	Cir	Electronic cuit Design ng Simulink	TEK	IKNOW	75000		15
Centre for Nanoscience and Nanotechnology	e	Thin Film ing Charact risation echniques	S	Self 1470			47
			<u>View</u>	<u>r File</u>			
3.6 – Extension Activi 3.6.1 – Number of exter Non- Government Organ	nsion						
Title of the activitie	Title of the activities Organising unit collaborating a			agency/ Number of teachers		Number of students participated in such activities	
Vayu Sainik Ca -Training, Pond		NCC AIR	WING		2		1

Inter Group Competition, Trichy	NCC AIR WING	1	3
Annual Training Camp, VTMT, Avadi	NCC AIR WING	2	23
Combined Annual Training Camp conducted by 1(TN) Medical Unit NCC	NCC Army Wing	2	4
Combined Annual Training Camp conducted by 1(TN) Medical Unit NCC, Sai ram Inst of Science Tech , Chennai Combined Annual Training Camp conducted by 1(TN) Medical Unit NCC Annual Training Camp, VTMT, Avadi	NCC Army Wing	1	17
	View	<u>/File</u>	
3.6.2 – Awards and recognitio during the year	on received for extension acti	ivities from Government and	other recognized bodies
Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Outstanding Contribution in the field of TeaOutstanding	Best Faculty Award	Cognizant Technology Solutions	1

Contribution in the field of Teaching and researchching and research Top 12 women

Transforming India

under Education

Category One among the 100

women achievers in

India in the fireld

of education

Research and Publication Excellence in

Research and

Publication

Excellence in

<u>View File</u>

NITI aayog in

Ministry of Women

and Child

Development in

association with Facebook

IIFS Award

IIFS

association with My

Gov and UN in India

12

1

4

1

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Women

100 women

Rashtria Gaurav

Bharat Jyothi

Award

achievers in India

transforming India

award

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of t	he activity	Number of teach participated in su activites		such
Blessed to Bleed Campaign - Ladies Police Station, Mylapore	Student Development Cell	Bleed -	nth)Give	2	25	
School Visit - Panchayat Union Middle school at Nallambakkam	Commuinity Development Club	about H fighte the lux	iven lecture 3 out Freedom Ighters and e luxury of Free India		10	
Voter ID campaign	NSS	A vo campai been co by stude	nducted NSS	3	10	
Blood Donation Camp	NSS	353 has dona blood blood d ca	in the onation	3	25	
Blessed to Bleed Campaign for Women in Policing @ Sathyabama	Student Development Cell	Bleed aware progra using frie	ssed to 2 d - An ceness amme on g eco- endly s (Given		25	
		<u>Viev</u>	<u>v File</u>			
7 – Collaborations						
.7.1 – Number of Colla	aborative activities for	esearch, fao	culty exchar	nge, student excha	ange during the year	
Nature of activity	Particip	ant	Source of	inancial support	Duration	
Research Mobil Programme	Lity Mr.Mat	han N	Inst Scie	thyabama itute of ence and hnology	117	
Student Excha	nge Moha Nawasud	ldin Inst		thyabama itute of Technology	180	
Research	Dr.J Pre	emkumar	Inst	thyabama itute of Technology	4	
Collaborativ Research	Collaborative Departme Research Microbiology Medical Co Then:		Inst	thyabama itute of Technology	72	
		Viev	<u>v File</u>			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Soft skill development	ProDev	Innovative, Vistamind	29/01/2018	03/02/2018	91
Coding skill development	CodeGene	Ebox, CCC, Ethnus	17/08/2017	22/08/2017	91
Aptitude Development	AptiCracker	Innovative ,Time, Vistamind	19/06/2017	28/06/2017	91
Training	Training on Cloud server installation	DST FIST cloud Computing lab	12/03/2018	15/03/2018	20

<u>View File</u>

3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
RedHat Center of Excellence	18/01/2018	RHCSA RHCSE	65
IBM Center of Excellence	17/10/2017	Cybersecurity Data Analytics	45
Red Hat Linux	18/01/2018	Linux Certification	40
CDAC, Pune	07/07/2017	Develop skilled manpower on specialized manpower, Joint research, placement	13

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
5000000	55040072
4.1.2 – Details of augmentation in infrastructure facilities of	luring the year

Seminar ha	Labora lls wit Class	tories h ICT facilit:	ies			wly Added				
		ch ICT facilit:	ies							
4.2 – Library as a L	Class			Newly Added						
4.2 – Library as a L						Newly Added				
4.2 – Library as a L		No	file	uploaded.						
	earning I	Resource								
4.2.1 – Library is auto	omated {Ir	ntegrated Library Ma	anagem	ent Syst	em (ILMS)}					
Name of the ILM software	Name of the ILMS Nature of software or				Version	Year of	automation			
Autolib)	Fully			8.2		2006			
4.2.2 – Library Servic	ces					-				
Library Service Type	E	xisting		Newly	Added	Тс	otal			
Text Books	251992	150415025	6	997	258989	258989	150674014			
Reference Books	13520	9340496	1	026	1058500	14546	10398996			
e-Books	10926	23500	N	i11	Nill	10926	23500			
Journals	138	306380		42	620847	180	927227			
e- Journals	19149	8736823		9	410644	19158	9147467			
Digital Database	9	Nill	1		Nill	10	Nill			
CD & Video	1993	Nill	632		Nill	2625	Nill			
Library Automation	Nill	397600	Nill		Nill	Nill	397600			
Others(s pecify)	Nill	1200000	N	Nill 1300000		Nill	2500000			
			<u>View</u>	<u>r File</u>						
4.2.3 – E-content dev Graduate) SWAYAM (Learning Manageme	other MO	OCs platform NPTE			•		•			
Name of the Tea	cher	Name of the Mod	lule		n on which modu s developed		launching e- ontent			
Dr.John Brit	Dr.John Britto Si PRI MAN PRO		THICS	Mood	ile	18/08/	18/08/2018			
Dr.John Britto SBA1101- PRINCIPLES OF MANAGEMENT AN PROFESSIONAL				Moodle		06/01/	06/01/2018			
Dr.John brit		SBAA1101 BUS COMMUNICATION	INESS	Mood	dle	19/09/	2018			
			View	/ File						

4.3 – IT Infr	astructure	ļ							
4.3.1 – Technology Upgradation (overall)									
Туре	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwidt h (MBPS/ GBPS)	Others
Existin g	2442	30	310	30	10	200	2242	310	25
Added	700	4	190	4	2	50	650	190	20
Total	3142	34	500	34	12	250	2892	500	45
4.3.2 – Band	dwidth avail	able of inter	net connec	tion in the l	nstitution (Le	eased line)			
				500 MB	PS/ GBPS				
4.3.3 – Faci	lity for e-cor	ntent							
Nam	e of the e-c	ontent deve	elopment fa	cility	Provide t		ne videos ar cording facil	nd media cei lity	ntre and
	Sathyak	oama Medi	a Centre	2	https://	www.satl	nyabama.a <u>re</u>	ac.in/Med	<u>ia Cent</u>
4.4 – Mainte	enance of	Campus Ir	frastructu	ire	•				
4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year									
Assigned Budget on academic facilities Expenditure incurred on maintenance of academic facilities Assigned budget on physical facilities Expenditure incurredon maintenance of physical facilities							physical		
4	9500000		48104	650	40	0500000		393583	350

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

• The maintenance office of the institution oversees the maintenance of buildings, classrooms and laboratories. • The maintenance office is headed by the Registrar who efficiently maintains the infrastructure of the institution ulletAdequate in - house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. Trash bins have been place on every floor and classroom. • The institution houses two research parks which runs real time research projects in various fields and has also been funded by many Government, international and national organizations. • The greenery of the institution is maintained by the gardeners of our institution. • Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by respective support staff . • The institution has trained electricians, plumbers and inhouse civil workers. • Lab assistants under the supervision of the System administrator maintain the efficiency of the college computers and accessories. • The campus maintenance is monitored through surveillance Cameras. • Every department maintains a stock register and maintenance register for periodic maintenance of the equipments. • Pest control of library books and records is done every year by the maintenance department. • Well qualified and experienced Doctors and medical attendants are always available in terms of emergencies. • Good facilities for inpatient, outpatient and emergency care are available. •

The institution has University has Sports Cell, NSS Cell, Cultural, Literary

and other Committees to promote students interest in sports and other activities. • The sports department has a separate gym in the hostel which can be utilized by the students and faculty members. Apart from this we have an indoor basketball stadium. • There are also outdoor game fields and grounds for the maintaining the fitness of the staff and students.

https://www.sathyabama.ac.in/academics/iqac

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 - Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees	
Financial Support from institution	Anbu Scholarship scheme	831	121330400	
Financial Support from Other Sources				
a) National	Nill	Nill	Nill	
b)International	Nill	Nill	Nill	
View File				

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved		
Commune	05/02/2018	1874	Ebek, Vistamind, Stride, Innovative		
CodeGene	05/03/2018	3267	SixPhrase, Face, CCC, Guvi		
AptiCracker	03/07/2017	3267	IMS, Vistamind, Innovative, FACE, Time		
Challenger Tech talk series	04/10/2017	350	Capgemini, Chennai		

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2017	Challenger Tech talk series	Nill	350	Nill	250
2017	AptiCracker	Nill	3267	Nill	2388
2017	CodeGene	Nill	3267	Nill	2388
	No file uploaded.				

5.1.4 - Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

	Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal	
	50	49	2	
5.2 – Student Progression				
5.2.1 – Details of campus placement during the year				

On campus Off campus Nameof Number of Number of Nameof Number of Number of organizations students stduents placed organizations students stduents placed visited participated visited participated 291 1532 23 190 1319

View File

61

5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2017	1	Sathyabama Institute of Science and Technology	DEPARTMENT OF AERONAUTICAL	R M I T University	MS AEROSPACE
2017	1	Sathyabama Institute of Science and Technology	DEPARTMENT OF AERONAUTICAL	Caltech University	AEROSPACE ENGINEERING
2017	1	Sathyabama Institute of Science and Technology	DEPARTMENT OF AERONAUTICAL	MS	MS MECHANICAL

5.2.3 - Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying	
GATE	11	
Any Other	2	
Any Other	212	
GRE	71	
TOFEL	4	
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No IIIe uproaded.

5.2.4 - Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Oratorical Contest	National	1
Tooth carving	State	1

Rangoli	State	1
Face painting	State	1
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2017	SRI RAGAVENDRA TROPHY - Basketball	National	1	Nill	Nill	University Basket Ball Team
2017	PEGASUS - Basketball	National	1	Nill	Nill	University Basket Ball Team
	<u>View File</u>					

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

A group of ignited minds clustered together to provide regular inputs for the complete development of a student. The Student Development Cell (SDC) is to identify the potential of each student and to facilitate them in achieving their academic goals through various clubs and participate in the various academic activities. Student's feedback has taken for preparing the syllabus on CBCS systems. Every department there is student ambassador for representing the students of the department to share the academic and general issues to the higher officials. They also take part in organizing the seminar, conferences, workshops', cultural, club activities and societal activities.AtSathyabama, we have 21 clubs which play a vital part of every student life in Campus. Open to all students, the clubs plan events and activities throughout the year. All the clubs together conduct an annual national level technical event called Technosummit. These clubs enrich the social, cultural and academic experience of students. This is a cognitive domain of knowledge sharing in various fields, which influence the larger student community and offers diverse learning practices. It provides an exclusive platform for different dimension of learning, networking and socializing outside of the classroom. SDC organizes a variety of events such as Workshops, Skill development courses, Power lecture series, Value added courses, Seminars and many more to mention.Student activities are initiated through various Clubs and Schemes like National Service Scheme (NSS), Youth Red Cross (YRC), Red Ribbon Club, Community Development Cell, Eco Club, Rotaract Club. These clubs and Centres are devoted to serve the society. Several Awareness Camps, Health Camps and Rallies are organized by these clubs.

5.4 – Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

With more than 40,000 alumni living, working, and innovating around the globe, Sathyabama alumni network is a hub of inspiration and opportunity. The Sathyabama Alumni Association was established by our Founder Chancellor Col. Dr. Jeppiaar in the year of 1992. Currently in its 29th year, it continues to foster meaningful relationships between Sathyabama alumni and the present Sathyabamites. The connections made in this program help prepare our students for a successful future and to develop synergistic plans to aid and improve our campus community. Our alumni facilitate the self-assessment and career exploration of our students to develop clear career goals and paths. They also provide their expertise on career guidance and promote their benefits among the students, alumni, faculty, staff and industry partners.

5.4.2 – No. of registered Alumni:

24845

5.4.3 – Alumni contribution during the year (in Rupees) :

2700000

5.4.4 - Meetings/activities organized by Alumni Association :

Alumni Talk 16.06.17 Mr. Prashanth Parthasarathy 2010 Corporate World - Reality and Virtuality Alumni Talk 14.07.17 Ashwini Kumar 2007 Training at GE
Healthcare Alumni Talk 14.07.17 Shaheen 2008 Training at GE Healthcare Alumni Meet 08.08.17 Er. Augustine Abraham 2011 Trending Industrial Advancement Aids in Civil Industry Alumni Meet 24.08.17 Er. Augustine Abraham 2011 Application of Softwares in Civil Engineering Alumni Talk 19.02.18 Ar.Binson ooman 2017 Architecture-Alumni talk Alumni Talk 09.03.18 Ms.Preethi 2011 Personality
Development Alumni Talk 15.03.18 Mr.Dharshan 2011 Television Production Alumni Talk 10.03.18 Saroj Kumar 2015 Setting Priority life Alumni Talk 17.03.18 Mr.Rajasekar 2012 New technology software in market Alumni Talk 07.06.18 Mr.Sree Thanu 2017 Current Trends in Industry Alumni Talk 10.08.18 Ms. Nancy Shyla 2012 Carreer as Radio Jocky Alumni Talk 21.08.18 Ar.Sabarish 2016 Architecture-Alumni talk Alumni Talk 03.10.18 Mr.Saroj Kumar 2015 How to Set Priority in Life

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Vice Chancellor is the Principal Executive Officer of the institution and exercises general supervision and control over the affairs of the institution and is mainly responsible for implementation of the decisions of all the authorities of the institution. The Vice Chancellor exercises all other powers as delegated by the Board of Management and has power to re-delegate some of the powers to any of his/her subordinate officers with the concurrence and approval of the Board of Management. Deans of Schools and Heads of the Departments have been delegated adequate powers by the Vice Chancellor to smoothly run the Institution. Committees and Cells To promote participative style of management in the administration various Cells are formed and faculty members are given opportunity to fairly represent in such committees. In order to give exposure to everyone to gain academic and professional development, the positions will be filled on rotation. 1. Institution innovation Cell • Institution innovation cell is one of the best practices to promote decentralization and participative management in the Institution. The Cell is managed centrally at the institution level and the structure itself is supported by a decentralized and well-coordinated structure at Departmental levels. Innovation promotion and funding at the institution level and the ideation, incubation are initiated at departmental levels. • Pre Incubation centres are established through this cell and all departments and research centres are inter connected and these centres facilitate the transformation of

ideas to products and services. • The cell provides mentoring services for patenting and commercialisation to the incubates. 2. Internal Examination Cell • Continuous internal Assessment system is practiced in the Institution to evaluate students' performance. • The Internal Examination Cell coordinates and conducts two Continuous Assessment Examinations (both Theory and Practical). • The Internal Examination Cell functions at Institution level and in each Department there is a Department Coordinator, who coordinates with the Internal Examination Cell for conducting the exams smoothly. The Department coordinator collects the question papers, allocates the faculty members for invigilation, coordinates the evaluation of papers and ensures the smooth conduct of the Internal Assessment Exams and publication of results on time. This is one best example of participative management at lower levels.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 - Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	 "SATHYABAMA ALL INDIA ENTRANCE EXAMINATION" an online entrance examination is conducted in all the major cities of the country. 2. The results are published online and students are given admission base don their entrance exam ranking. 3. Admission of Non Resident Indians and Foreign students are based on the Grade obtained in the qualifying examination. Students from developing countries may be allowed scholarships in the tuition fee charged for International students.
Industry Interaction / Collaboration	 Joint Academic Programmes are offered to students in association with Virtusa, Infosys, IBM, Oracle and Cisco. Research Centres of our Institution work in collaboration with industries and Centres of Excellence are established in association with industrial partners like GE healthcare, Vector Works etc Consultancy services are provided to Industries like, Renault Nissan, FL Smidth, India Pistons, Orchid Chemicals etc., Linkages with Industry have helped in the development of industry relevant academic courses.
Human Resource Management	 Faculty members along with their family members are sponsored for Holy visits. Financial support was provided to faculty members for up gradation of knowledge through Quality Improvement programmes, conferences, workshops and faculty development programmes. The Institution offers

	opportunity for Teaching and Research Staff members to participate in the Staff Mobility Programme with Foreign universities. They can spend 4-24 weeks in the Partner Institution The objective of this programme is to provide broader experience to faculty members by exposing them to different culture and work ethics. It provides opportunity for the faculty members to learn the best practices on curriculum and pedagogy from other countries.
Library, ICT and Physical Infrastructure / Instrumentation	 The Institution has established Earth Science Technology Cell sponsored by MoES in association with NIOT and CMLRE for Marine Biotechnological Studies. • Laboratories in Departments and Research Centres are upgraded with latest equipments. • Buildings are expanded and additional floors are constructed in some of the blocks. • More new computers and accessories are purchased • E Journals and E magazines are subscribed in addition to the existing resources.
Research and Development	 The Institution has a provision in place for providing Seed money for facilitating research and the conversion of innovative research and development ideas into products and services. Students are provided access to all the research facilities in the Research Centres and encouraged to do the internships in the Centres. Research committees are formed, which regularly meet to discuss about the latest developments across the world in research. Such initiatives have facilitated the prevalence of research climate in the Institution. The outcome of the research activities are propagated to the society and industry by way of publications, seminars, workshops, symposium and through other academic forums.
Examination and Evaluation	 Credits are given for professional training and development courses. Credits are given for internship and semester abroad program. Performance is assessed through Continuous Assessment Exams and End Semester Exams. Continuous evaluation system is further strengthened with 50-50 percentage weight-age system in place for internal and external Examinations. Assessment questions are aligned with course learning outcomes

	<pre>papers are set with questions of different difficulty levels to evaluate the different capabilities of students. • Assignments, open ended problems, Quiz, Seminar, Presentation, and Case Studies pertaining to Complex Engineering Problems are given to students.</pre>
Teaching and Learning	• Our teaching and learning strategies are based on the objective to make the students highly employable graduates. • International Visiting Professors visited the Institution to teach our students which enriched the learning environment and added international flavour. • Students are provided opportunity to study a part of their course at foreign universities under Semester Abroad Programmes and internship programmes. • Project Based Learning is practiced with the objective of promoting student engagement and addressing more complex, open-ended real-world problems. Group of 4-6 students are involved in solving complex engineering problems. Guidance provided by internal and external supervisor.
Curriculum Development	 The Institution focuses on research based education and students learn actively through research and enquiry. Students connect with researchers and with the institution's research. Students are given opportunities to engage in research within and beyond the formal curriculum. Academic curriculum is designed with more emphasis on corporate needs. Open electives are offered for the students. The students are offered subjects from all the streams, from which they could select any discipline to promote multidisciplinary learning.
6.2.2 – Implementation of e-governance in areas of oper	ations:
E-governace area	Details
Student Admission and Support	1. The entire admission process is done online. 2. The online fee payment portal enables students to make their payments online 3. Online counselling for seat allotment is done based on their entrance exam score.
Administration	1. Student and faculty attendance is

online and biometric based. 2. The entire Central library is automated to ensure that staff and students can

	access the library resources remotely.
Examination	1. The examination process is online.
	The exam time table, hall ticket
	generation, transcripts and migration
	certificates can be generated online.
	2. Certificate verification facility is
	available through Online Portal.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support		
2017	MASILAMANI SELVAM.M	recent trends in life science	Nill	3000		
2017	Mr.V.Balamuru gan	understanding nanotechnoogy	Nill	3000		
2017	Vedanarayanan.V	Nill	IEEE	5000		
2017	M.S.Godwin Premi	Nill	IEEE	6000		
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teachin staff)
2017	Workshop on Advance ment in Co nstruction	Nill	14/09/2017	14/09/2017	18	Nill
2017	Training Programme on Life sk illsTraini ng Programme on Life skills	Nill	03/04/2017	03/04/2017	100	Nill
2017	Nill	Training Programme on Life	03/05/2017	03/05/2017	Nill	120

Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From	Date	To date	Duration
5 Day COSMOL Multiphysics	1	15/0	5/2017	16/05/20	17 2
Indian Patenting Filing Procedures	4	19/08/2017		19/08/20	17 1
Research Challenges and Innovation on Solar Energy systems	1	04/08/2017		04/08/20	17 1
		View	<u>File</u>		
6.3.4 – Faculty and Sta	ff recruitment (no. for p	ermanent re	cruitment):		
		Non-teaching			
Permanent	Full Tim	е	Permanent		Full Time
837	837	,	1255		1255

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
• Teaching staff	• A 100 concession for	• Dr.Jeppiaar Remibai
member's children (who	the children of the non	Merit Scholarship is
get admission in our	teaching faculty whose	awarded to the toppers
university) provided 50	child scores very high	for an academic year. 30
concession on tuition	score in the qualifying	of the tuition fee is
fee. • Medical insurance	examination. • Medical	waived off for the first
(sum assured Rs.One	insurance (sum assured	rank holders, 20 for the
lakh/Head) for the staff	Rs.One lakh/Head) for the	second rank and 10 for
members is provided and	staff members is provided	the third rank holders
Premium paid by the	and Premium paid by the	accordingly. • 100 fee
management. • A maternity	management. • A maternity	waiver through the Anbu
leave of three months	leave of three months	Scholarship for the
with full pay can be	with full pay can be	students from
availed by the Female	availed by the Female	economically weaker
staff members (for two	staff members (for two	section of the society $ullet$
children). • The staff	children). • The staff	Outgoing Student
members who have been	members who have been	Excellence Award is
working in our university	working in our university	awarded to students with
for more than 5 years, in	for more than 5 years, in	100 attendance. • Funding
case of sudden demise,	case of sudden demise,	is provided for students
the family member may be	the family member may be	with publications in
granted an amount of 1	granted an amount of 1	reputed journals and
lakh. • Free Master	lakh. • Free Master	conferences and national
health checkup for our	health checkup for our	level projects. •
staff members above 35	staff members above 35	Institution has in-house
years will be provided $ullet$	years will be provided $ullet$	counsellors to offer
Free dental screening	Free dental screening	counselling service to
camp will be organized	camp will be organized	address the psychological
for all the staff members	for all the staff members	needs of the students. \bullet
every 6 months in our	every 6 months in our	Mentor-Mentee system to
I	l	I

university Dental hospital. • Summer camp is organized every year for the children of our staff members • One-week medical leave may be granted to the staff members (once in a year) for the staff members who have undergone surgery. • Day care facility is available for the children of our Staff members. • 50 of the registration fee will be provided for referred conferences and journals such as IEEE, ACM, ELSEVIER and SCOPUS INDEXED journal. A Staff can avail this facility once in a year. • Staff children who have finished 10th and 12th with highest mark will be honored with a cash award of Rs.10,000/- each (for first 3 toppers). • 50 TA will be granted for the foreign conference. A Staff can avail this facility once in 3 years. This facility can be availed by the staff members who are working in our university for more than 10 Years • A grant of Rs.10,000/- may be sanctioned for each faculty to conduct FDP once in a year • Staff orientation program will be conducted for all the new staff members joining in our university. • Staff members showing good publication will be rewarded with a cash prize and certificate. • Staff member doing sponsored research projects will be rewarded after completing the project successfully.

university Dental hospital. • Summer camp is organized every year for the children of our staff members • One-week medical leave may be granted to the staff members (once in a year) for the staff members who have undergone surgery. • Day care facility is available for the children of our Staff members.

ensure students' overall development • Fully equipped medical Facility is available for the students at the Sathyabama General Hospital • Transportation facility provided for all day scholars. • Mess facilities for all meals for both day scholars and hostel students. • Subsidized canteens and convenience store available inside the campus to cater to the students' needs. • Seed funding for students to encourage entrepreneurship and research. • Well-equipped gym and sports facilities in house • Student Development Cell with 23 active cells to enrich students' co-curricular and extra-curricular activities. • Technovation - An annual project exhibition to showcase technical skills of the students • The institution has a Book Bank Facility for all the students • Inter/Intra collegiate festivals for cultural and sports annually. • Free Coaching to the Indian Administrative Service examination aspirants through Jeppiaar IAS academy

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The Institute maintains the accountancy records as per the Accounting standards prescribed by Ministry of Finance, Government of India. As per these guidelines, all the receipts and payments are being recoded using Tally software. The accounts and the related records are being audited both internally and externally. Internal auditing takes place one in three months in which the Accounts Departments verifies all the records of receipts and payments of all the Administrative and Academic Departments. A separate Audit Team in place in order audit the Accounts relating to the sponsored projects from Governmental and Non-Governmental agencies. In addition to the periodical internal audit, mandatory external audit is carried by the External Agency, namely Ramakrishna and Associates, A chartered Accounting and Auditing Firm. This firm undertaken he total auditing and after the due consolidation, the Final accounts are submitted in the form of Final Accounts. The Final accounts are submitted to the income Tax Departments for filing the income Returns . In addition to this, periodical submission of GST payments are also being carried.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose			
NA	0	NA			
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6.4.3 - Total corpus fund generated

50000000

6.5 – Internal Quality Assurance System

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

Audit Type	Exte	rnal	Internal		
	Yes/No	Agency	Yes/No	Authority	
Academic	Yes	ISO DNV	Yes	Nill	
Administrative	Yes	ISO DNV	Yes	Nill	

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

NA

6.5.3 - Activities and support from the Parent - Teacher Association (at least three)

1. Parents are involved in the Department Advisory Committee and their inputs are considered for strengthening the department activities. Parents are also involved in the board of studies of few of the departments. 2. Welcome day is arranged for both parents and students of the first year on the opening day of the Institute. The Institute rules, policies, and regulations were briefed to both the parents and students. 3. All parents are invited to the Achievers day celebrations. 4. Feedback and suggestions are taken from parents for overall development of the Institution.

6.5.4 – Development programmes for support staff (at least three)

 A workshop on laboratory management and instrument operations was given to all lab in-charges. 2. Data Transfer and File Management training was given for all administration staff. 3. Training on the use of Mobile and Online Banking was given to all non-teaching staff. 4. The Department of Visual Communications organized a Desktop Publishing (DTP) program for all non-teaching staff. 5. Training program on 55 Methodology in the workplace was organized for all

		support staff.							
6.5.5 – Post Accre	ditation initiative(s) (mention at least thr	ee)						
 Reviews are conducted based on Accreditation peer teams report. Action taken initiatives are pursued for remedial action. New initiatives are pursued in Research, Curriculum and students progression. Labs with Advanced technologies are established. Programme wise Accreditation is initiated to improve the quality at programme level. Faculty were encouraged to pursue Ph.D and faculty who were in the near completion stage were provided leave support to complete their Ph.D 									
6.5.6 – Internal Qu	ality Assurance Sys	tem Details							
a) Submission of Data for AISHE portal Yes									
b)Participation in NIR	F		Yes					
	c)ISO certification			Yes					
d)NBA	A or any other quality	y audit		Yes					
6.5.7 – Number of	Quality Initiatives ur	dertaken during the	e year						
Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants				
2017	Preparation for NAAC inspection.	10/06/2017	10/06/2017	11/09/2017	5000				
2017	Stake Holder's Feedback on the curriculum is taken and improvements are incorpor ated. Feedback was also taken on the relevance and usefulness of the internships, professional training programs, and the projects.	06/06/2017	06/06/2017	06/06/2017	4000				
2018	coordinated the data collection process form the departments andsuccessfu lly	09/01/2018	09/01/2018	09/02/2018	15				

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants		
			Female	Male	
National Seminar on Gender Equality	09/10/2017	09/10/2018	93	54	
National Workshop on Gender based Violence	30/01/2018	30/01/2018	127	84	
National Conference on Women's health	12/02/2018	12/02/2018	81	94	
National Workshop on preventing and combating violence against women	23/03/2018	23/03/2018	63	75	

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Research was pursued and completed for development 0.1 W Perovskite Solar Cells .Apart from adopting the conventional means of feeding pigs, connecting with authorized recycler, solid waste especially food waste to be used Microbial Fuel Cells exclusively designed for power generation from food waste and waste water streams Continued Operation of 50 Litres pilot scale Biodiesel Production Unit with 45-48 litres production efficiency. Waste Cooking Oil biodiesel oxidation stability as improvised by blending with algal oil Battery operated vehicles (2 nos.) was procurred and used for shuttling services within campus The construction of STP was initiated and was executed for completion to handle 1.5 MLD effluent. The institution believes in promoting the research findings of the researchers, students and academicians trying to encourage translating their research outcomes into products and technologies. Enormous funding was diverted to encourage research activities pertaining to renewable and sustainable energy. Environmental and Energy Audits were performed and recommendations have been taken forth to maximum extent possible and have been implemented in the subsequent years.

7.1.3 - Differently abled (Divyangjan) friendliness

Item facil	litico			Vaa	No		NI	mbor of bonof	laiariaa
			Yes/No			Number of beneficiaries			
Physical fa			Yes				60		
Provision		t	Yes			10			
Ramp/R					es			10	
	Braille Software/facilities			Y	es			4	
Rest R	Rooms			Y	es			10	
Scribes for	examinat	tion		Y	es			4	
Special developmen differently studen	nt for y abled			Y	es			60	
Any other facili		r		Y	es			46	
7.1.4 – Inclusion and	Situatedne	ess							
initiati addu locat advan and di	ves to ir ress t tional en ntages isadva co ges	lumber nitiative taken to ngage w and ontribute local ommun	es o vith e to	Date	Duration		ame of tiative	Issues addressed	Number of participating students and staff
2017	1	Nil	1	12/06/2 017	2		shroom tivati on	Mushroom Cultivati on	15
2017 N	/ill	1		05/06/2 017	20		ommerc Bakin	To meet the challenge of skilling at scale with speed and standard (quality)	10
2017 N	ill	1		30/06/2 017	1		lessed Bleed	Awareness programme on sanitary napkin usage	50
	I			View	File			_	
7.1.5 – Human Values	s and Profe	essiona	l Ethic			ooks)	for variou	is stakeholder	5
Title									
Handbook o Values And Pro Ethic	on Human ofession			Date of pu	Dication		posit	ow up(max 100 Teachers m cive impact hers so tha	ade a : on our

learners will emerge as leaders or citizens who
will contribute towards a
better society. Teachers
have inculcated sound
human values within
themselves and are
successful in teaching
these human values to
their learners created an
effect on the minds of
students. Observational
learning has a
significant impact in the
teaching and learning
situation. It emphasizes
the role that teachers
and other figures of
authority may have on the
education of students
merely through the
process of observed
behaviour or modelled
behaviour.This drives
their will to learn
better and do well in
their academics.

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Capacity Building Training Programme on Communal Harmony	12/08/2017	12/08/2017	200
Learn to earn Programme on Righteous Conduct (Karpom Velovom)	06/10/2017	06/10/2017	150
One day Workshop on Equality and Self Defence	07/10/2017	07/10/2017	120
Capacity Building Training Programme for Social Cohesion	01/02/2018	01/02/2018	170
Mass cleaning Campaign fo	23/03/2018	23/03/2018	200
Training Programme on Yoga	05/10/2017	05/10/2017	185
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1.Utilisation of green energy sources 2. Paper free campus by digitizing most of our activities. 3. Waste water management by using recycled water for gardening 4. Battery operated cars used inside the institution 5. Clean Campus initiative 6. Plastic free Campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICES - I Title: FACULTY VISIT TO INTERNATIONAL UNIVERSITIES OBJECTIVES OF THE PRACTICE: • To create awareness to the faculty on the global scenario of education • To encourage interaction with international faculty and their research facilities • To identify new areas of research and work on collaborative projects • To explore new pedagogical initiatives in the teaching learning process THE CONTEXT Research and higher education curriculum does not get limited by geographical boundaries. More than 95 of the teaching and research faculty at Sathyabama had their education at India, which minimised their exposure to the global arena. To compete with global standards in research and academia, it is necessary that each faculty, visit few of their peer groups at other countries to learn, share and evolve through the practices in foreign institutions. THE PRACTICE • The practice of sending 2-3 faculty per year to Universities abroad was started in 2017. • The faculty selection process in this scheme was only based on individual interest, expertise in subject/research domain of the faculty, thrust/relevancy to student and research development and not on experience or cadre of the faculty. • Short visits spanning from 2-8 months, with full salary, travel and accommodation is provided by Sathyabama. • The faculty on return suggests and educates the peer group in the department and students on the best practices, research methodology, student engagement, pedagogical initiatives, novel research areas, research collaborations, laboratory development etc., Highlighted in yellow needs to be checked The mechanism involves (a) Giving a open call for applications for the international visit programme (b) Consolidate and scrutinise the applications and select 6 faculty applications based on research/academic thrust area (c) Interact online with suitable research/ academic departments at various international universities through International Relations Office. (d) Shortlist 2-3 faculty and proceed to travel procedures • (e) On return, the effectiveness of the visit is measured through faculty feedback, collaborative projects and papers, tools learned and knowledge transfer. OBSTACLES OBSERVED Difficulty were administrative in nature such as visa processing, assigning the faculty departmental roles to other faculty etc., Married women faculty had more inhibition to apply for this visit. The obstacles are more likely to get minimized when this practice matures. EVIDENCE OF SUCCESS Resulted in • Strengthening the relations with various international universities • Collaborative projects completed/ongoing are as follows (1) Dr. Brijitta project (Give title, year of going, lab and univ name etc) (2) Dr. Theerthagiri project • Collaborative research papers are as follows (1) Dr. Manigandan (aero) (2) Dr. Bupesh Raja (auto) (3) Ms. Adeline Sneha (EIE) (4) Ms. Jamuna Rani (EIE) • Initiation of new courses RESOURCES REQUIRED • Enthusiastic competing faculty willing to progress forward • Financial budget from the administrative end to provide this facility to a greater number of faculty • Subsequent initiatives to motivate and direct the faculty who already utilised the facility towards subsequent visits, interaction and development • Adequate manpower at the office capable of handling international relations BEST PRACTICE - II TITLE: INTRODUCTION OF BRIDGE COURSES OBJECTIVES OF THE PRACTICE: • Prepare the slow learners and learners from diversified boards of school education learn the essential concepts to ensure their smooth study of curriculum • Eliminating the language and skill barriers at the early level THE CONTEXT Every year students from diversified backgrounds and different boards of education across different states come for their higher education. The medium of instruction in their schools, if learnt in their mother tongue or native language becomes a potential barrier in pursuing their higher education smoothly. Soft skills, basic programming skills, basic mathematics are enhanced at the entry level of the course THE PRACTICE • Students who have scored below 70 in Mathematics in

their X and XII standard are required to learn the Fundamental Mathematics as the non credit bridge course at the entry point of the first semester. • Students learnt their school subjects in their native language/mother tongue need to undergo non creditFundamental English and Grammar course during the first year of their study • Basic programming skills and soft skills are included in the curriculum with minimum credits in the first year of study OBSTACLES OBSERVED Disinterest and reluctance is observed among the students towards the non-credit courses. EVIDENCE OF SUCCESS • Students from native medium of instruction were able to perform well in exams, seminars and interviews and the number of student drop out due to language barrier has considerably decreased. RESOURCES REQUIRED Unavailability of working slots to conduct these classes along with regular classes is a challenge.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

https://www.sathyabama.ac.in/academics/igac

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Sathyabama rightly believes that a society that has empowered women, and where equality exists, growth becomes inevitable. The students participate in Gender equality seminars, webinar and many other programs, but are also made to have hands on experience while they visit villages and the schools that we adopt. The institution has adopted nearly 9 villages in and around our campus and are sponsoring all sanitation facilities to them. The schools of those villages are provided with IT infrastructure and knowledge transfer through training programmes are given to students and teachers. The Institution offers opportunity for Teaching and Research Staff members to participate in the Staff Mobility Programme with Foreign universities. They can spend 4-24 weeks in the Partner Institution. The objective of this programme is to provide broader experience to faculty members by exposing them to different culture and work ethics. It provides opportunity for the faculty members to learn the best practices on curriculum and pedagogy from other countries. Our faculties have been provided opportunities to act as domain experts and Guest lecturers in various international Universities through our Faculty Exchange Programme. Our Institution has always looked for opportunities to serve the society. Research is focused on to improve water quality by reducing pollution, Energy research, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally. The Institution devised various Technology Solutions for Healthcare, Agriculture for better solutions to the society. Number of patents were filed and published on these topics. The Institution has established Earth Science Technology Cell sponsored by MoES in association with NIOT and CMLRE for Marine Biotechnological Studies. As a measure of sustainable development Vermi compost pits have been set up in the campuses for biodegradable waste. The institution initiated the Jeppiaar IAS Academy wherein the students are given training for Group 1 service exams free of cost. The training is provided by top notch professionals and practicing IAS officers. This initiative is the unique of its kind where the students are trained for leadership positions.

Provide the weblink of the institution

https://www.sathyabama.ac.in/academics/igac

8. Future Plans of Actions for Next Academic Year

2017-2018 - (2018-19 Plan) • Skill Development Centre: The Institution plans to establish a skill Development Centre in association with NSTI, MSDE, to offer skill based programmes to the students on different areas. Centre for Skill development will impart skill oriented training to our students to improve their employment prospects. The objective of the Centre will be upgrading the skills of the students to international standards through significant industry participation. • Earth Science Technology Cell: The Institution proposes to establish Earth Science Technology Cell sponsored by MoES in association with NIOT and CMLRE for Marine Biotechnological Studies. The aim of establishment of this Cell is to encourage and promote the potential of research in frontier areas of Marine Biotechnology in collaboration with industry and research centres at national and International level. It will conduct training programmes, seminars and workshops to disseminate information on the thrust area. • Establish School of Law: The Institution proposes to establish School of Law to offer 3 years Bachelor of Law Programme and 5 years Integrated Law Degree programmes, with the aim of becoming an internationally renowned Institution for teaching and research in law. This School will work to achieve excellence in educating legal professionals, serving the public and fostering justice. • Establish School of Pharmacy: Understanding the growth of Pharmaceutical industry and the career opportunities available for Pharmacists, the Institution proposes to establish School of Pharmacy to offer Diploma and Bachelor programmes in Pharmacy. This School will work towards developing pharmacists capable of competing at national and international levels who can bring forth positive health outcomes through the pharmacy profession and community service. • QS I- Gauge: Following the award of QS Stars, the Institution is planning to apply for QS I- Gauge Rating, a rating for Indian Universities by Quacquarelli Symonds. QS I- Gauge will evaluate the Institutions excellence in various parameters including Teaching and Learning, Research, Facilities, Entrepreneurship and Employability. Internationalization The Institution will work towards building an international profile to achieve international standards of excellence through appropriate internationalization strategies. The institution will focus on student and staff mobility programmes, international research collaborations and international study programmes. Research: Sathyabama will focus on collaborative/joint research in association with National and International Partners which will result in more publications, increased citations, New Technology Development, Technology Transfer, Joint Publications and Patents. Participation in Unnat Bharath Abhiyan Government's Initiatives: The Faculty members and the Research Scientists of the Institution will actively participate in Unnat Bharath Abhiyan, a Government of India initiative. The Mission of Unnat Bharat Abhiyan is to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. The Institution will also participate in any initiative as and when launched by the Indian Government with the objective of promoting quality education, research and nation building.