



Yearly Status Report - 2015-2016

Part A

Data of the Institution

1. Name of the Institution	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
Name of the head of the Institution	Dr. B. Sheela Rani
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 Status																			
University			Deemed																
Type of Institution			Co-education																
Location			Urban																
Financial Status			Self financed																
Name of the IQAC co-ordinator/Director			Dr. S. Sundareswari																
Phone no/Alternate Phone no.			04424503153																
Mobile no.			9840477004																
Registered Email			iqac@sathyabama.ac.in																
Alternate Email			vc@sathyabama.ac.in																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			https://www.sathyabama.ac.in/academics/iqac/aqar																
4. Whether Academic Calendar prepared during the year			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			https://www.sathyabama.ac.in/academics/iqac/calendar																
5. Accrediation Details																			
<table border="1"> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> <tr> <td>2</td> <td>B</td> <td>2.5</td> <td>2015</td> <td>15-Sep-2015</td> <td>14-Sep-2020</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	2	B	2.5	2015	15-Sep-2015	14-Sep-2020
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
2	B	2.5	2015	15-Sep-2015	14-Sep-2020														
6. Date of Establishment of IQAC			03-Jul-2007																
7. Internal Quality Assurance System																			
<table border="1"> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> <tr> <td colspan="3">No Data Entered/Not Applicable!!!</td> </tr> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries	No Data Entered/Not Applicable!!!							
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Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																	
No Data Entered/Not Applicable!!!																			

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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/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Department of Biotechnology	FIST	DST	2012 1825	8000000
Department of Computer Science	FIST	DST	2014 1825	2200000
Centre of Excellence for energy Research	FAST	DST	2014 2190	40000000
Department of Physics	FIST	DST	2015 1825	7800000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

5

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

1. Online Feedback System was implemented and feedback from all stakeholders were taken, analysed and necessary actions were taken. 2. The major curriculum revision was carried out and mandatory professional training, one at the end of the 4th semester and one at the end of the 6th semester were introduced. 3. Student handbooks, Code of Conduct and the admission policies were revised. 4. Awareness on the National Institutional Ranking Framework (NIRF) was conducted among all the stakeholders and supported in submitting the complete data for NIRF 2016. 5. Had frequent interaction with the SATHYABAMASAT development team and ensured that progress was being made and the requirements of ISRO was met accordingly.

No Files Uploaded !!!

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
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Board of Management	23-Jul-2016

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

27-Aug-2015

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2016

Date of Submission

15-Feb-2016

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

The various methods of the institutions information system benefit the students, staffs, parents and other applicants. This information system includes major in Staff information system and Student information system, Institute Communication System, Online fees Payment, Online counseling, Attendance Management System etc. ? Staff information system The details of our staff members are available in staff information system. It includes their personal details and official details. The department head is given with department login and password where he/she can update their staff's information such as academic publications, workshop

attended/conducted, faculty development program attended/conducted, national/international conferences attended/conducted and many more. ? Student information system Parent's / Students can login using the register number and Date of birth to view the academic performance. It includes the personal details and academic details. Any changes in the personal information such as change of address, phone number will done only through proper channel. Student's achievement, awards and publication will be available through this information system. ? Institute Communication System Our institute provides communication through message and email for our students, parents and staff members. Students will get the information's for online fee payment, examination timetable, results, holidays, events to be conducted and commencement of placement classes. ? Online fees Payment Our institute affords online payment for tuition fees, hostel fees, examination fees, arrear fees for students via online banking transaction using Net banking. ? Choice Based Staff Selection Students can select the staff members based on their willingness. Intra department selection is available for students. Students will have a wide knowledge for gathering information according to their academic expectations from various faculty members. ? Attendance Management System Faculty workload and timetable are collected from various schools and updated in the system. Every faculty is given with a username and password, through which the attendance for their respective class has to be uploaded. The student can view their attendance through student website.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – 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
No Data Entered/Not Applicable !!!			
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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
No Data Entered/Not Applicable !!!				
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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
No Data Entered/Not Applicable !!!		
View File		

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
Mtech	VLSI DESIGN	08/06/2015
ME	EMBEDDED SYSTEMS	08/06/2015
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	08/06/2015
BE	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	08/06/2015
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	08/06/2015
BE	ELECTRONICS AND INSTRUMENTATION ENGINEERING	08/06/2015
Mtech	VLSI DESIGN	08/06/2015
ME	EMBEDDED SYSTEMS	08/06/2015
ME	APPLIED ELECTRONICS	08/06/2015
MSc	PHYSICS(BIO PHYSICS)	08/06/2015
MSc	PHYSICS(NANO MATERIALS)	08/06/2015
BE	Mechanical Engineering	08/06/2015
BE	Mechanical Production Engineering	08/06/2015
MSc	Chemistry	08/06/2015
BE	Civil Engineering	08/06/2015
ME	Structural Engineering	08/06/2015
BTech	Information Technology	08/06/2016
BE	ECE, EEE, Mechanical , MechPro,	08/06/2015
BTech	Bio Technology, Bio Med, Bio info	08/06/2015
BE	CSE,IT,BIO INFO,EEE,ETCE,E&I,CHEM	08/06/2015

BE	CSE,IT,ETCE,CHEM	08/06/2015
MBA	General management	08/06/2015
BCom	General	08/06/2015
BBA	General	08/06/2015
BArch	Architectural Conservation SARX 1026	08/06/2015
BArch	Landscape Architecture SARX 1024	08/06/2015
BArch	Facilities Management SARX 1021	08/06/2015
BArch	Introduction to GIS and Remote sensing SARX 1022	08/06/2015
BArch	Architectural Journalism SARX 1030	08/06/2015
BArch	Contemporary process in Architecture SARX 1032	08/06/2015
BArch	Construction Management SARX 1027	08/06/2015
BArch	Advanced Construction Techniques SARX 1028	08/06/2015
BArch	Environment and Behaviour SARX 1019	08/06/2015
BArch	Sustainable Architecture SARX 1020	08/06/2015
BArch	Design for DisasterManagement SARX 1029	08/06/2015
MArch	Real Estate management SARX 5015	08/06/2015
MArch	Research methodologies in Architecture SARX 5021	08/06/2015
MArch	Quantitative Techniques SMTX 5004	08/06/2015
MArch	Functional Efficiency of buildings SARX 5018	08/06/2015
MArch	Green Building Rating Systems SAR 5622	08/06/2015
MArch	Sustainable Tourism SAR5623	08/06/2015
MArch	Sustainable Landscape Planning SAR 5624	08/06/2015

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	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
<p>• The students feedback of all the batches is given to each faculty member after being collated, statistically analyzed and tabulated, clarifying, if need be, for quality enhancement in teaching methodology. • Observations on general trends are also made. • The Principal intervenes and addresses possible areas of improvement. • The feedback is evaluated by each of the faculty members motivating her/him to look at specific areas where growth is needed. • Efforts are made to motivate parents to process feedback forms on the College. • Evaluation of all college programmes with the respective stake-holders is conducted. • An annual feedback is done with the out-going Students before they leave graduate The feedback collection process is Online. The feedback includes Five major criteria, Viz. 1) Academic (Teaching – Learning) 2) Facilities 3) Curriculum 4) Campus Placement and 5) General. Each criterion is evaluated on several sub factors. Feedback is also collected on Facilities, Curriculum, Campus Placement and General on a 5 point scale with the most positive response rated as 5 and most negative response rated as 1. I. Facility has 8 sub factors viz • Class Room Environment • Lab Facilities • Library Facility • Computing Facility • Transport Facility • Campus Cleanliness • Mess Facility • Student Help Desk II. Curriculum has 4 sub factors viz. • Course integrates theoretical concepts with practical applications • Course subjects enrich the knowledge component • Syllabus is meeting the industrial demands • Support and effectiveness of industrial internships/summer training III. Campus Placement has 4 sub factors viz (if applicable) • Level of training for Aptitude and Soft Skill Development • Level of training for Technical Skill Development • Number of companies visiting • Placement cell coordination with students IV. On General there are 4 attributes viz • Drinking water facility • Availability of fire extinguishers • Safety and security services • Effectiveness of grievance redressal mechanism • Average Percentage of students who participate: >80</p> <p>Specification on the feedback analysis process : The feedback collected from the students is summarized and the weighted score for each parameter is calculated. Based on the weighted score the parameters for which the score is less than average will be identified as the parameter that requires corrective action. The feedback analysis software was developed using PHP as the front end and MySQL as the backend. The tool has been deployed in the cloud portal and the link is included in the Sathyabama Web site. The students will be able to access the feedback portal by using their login. The summarized data of the faculty is being communicated to HODs and Deans of the schools to take the necessary actions.</p>

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
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2015	9202	598	413	207	620

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
620	240	12	25	10	4
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

• For every 20 students a faculty is appointed as a mentor. The mentors meet his/her students every fortnight and discuss the issues related to them. The mentor maintains the academic record of the students and keeps track of the attendance and overall progress of the students. The information is reported to Head of the department once in a month, along with necessary measures taken. The mentor counsels the students with respect to academic and personal issues. A comprehensive record of academic performance, Co-curricular, Extra Curricular activities and the details of parent interaction are maintained. Efficacy of the system • The comprehensive record of mentees has been effective in the analysis of student performance. The mentees' records are maintained using a mentoring card. • The close monitoring of students' progress helps in improving the academic performance • Any deviation in behavioral and academic aspects of a student will be provided as a feedback to the parent. Apart from the mentors, there is a student supporting system in place for assisting the student at various levels. Students shall reach out through email for any queries or assistance to the different supporting systems, like: Student Help Desk, Internal Examination Cell, Student Development Cell, Student Grievance Cell, Student counseling and psychological centre, Anti ragging Cell, Placement Cell, Women Empowerment Cell, Anti-Discrimination Cell, Centre for Skill Development. Students who maintain 100 attendance during their course of study are encouraged with the "100 attendance award" and Students based on curricular, co-curricular, extracurricular activities are given with "outgoing student excellence award" every year with the cash prize of Rs.10,000 each. "Dr. Jeppiaar Remibai Scholarship award" is given to meritorious students who excel in academics. Top three rank holders receive 30, 20 and 10 fee waive in the consecutive academic year.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
11269	620	1:18

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
620	563	57	57	245

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	15	8/4	11/06/2016	30/07/2016
BE	20	8/4	11/06/2016	30/07/2016
BE	25	8/4	11/06/2016	30/07/2016
BE	18	8/4	11/06/2016	30/07/2016
BE	17	8/4	11/06/2016	30/07/2016
BE	14	8/4	11/06/2016	30/07/2016
BE	13	8/4	11/06/2016	30/07/2016
BE	11	8/4	11/06/2016	30/07/2016
BE	26	8/4	11/06/2016	30/07/2016
BE	86	8/4	11/06/2016	30/07/2016
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
103	12456	0.83

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

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

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage
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			appeared in the final year examination	in final year examination	
No Data Entered/Not Applicable !!!					
View File					

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

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

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
No Data Entered/Not Applicable !!!		
View File		

3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
View File				

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		
View File		

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
View File				

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start- up	Date of Commencement

No Data Entered/Not Applicable !!!

[View File](#)

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Bio Engineering	4
Biotechnology	1
Computer Science and Engineering	8
IT	2
Electronics	13
Electrical	8
Mechanical Engineering	9
Physics	1
Chemistry	4
Mathematics	5
Civil	2
Life Sciences	12

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

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
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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
No Data Entered/Not Applicable !!!	
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!						
View File						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the	Name of	Title of journal	Year of	h-index	Number of	Institutional
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Paper	Author		publication		citations excluding self citation	affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
View File						

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	36	152	76	82
Presented papers	50	139	29	10
Resource persons	8	25	9	8
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
View File			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
View File				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
View File			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Flying Squadron	Best Flying Squadron	Tamil Nadu state level competition	5
View File			

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

Name of the scheme	Organising unit/Agen	Name of the activity	Number of teachers	Number of students
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	cy/collaborating agency		participated in such activities	participated in such activities
No Data Entered/Not Applicable !!!				
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!					
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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
No Data Entered/Not Applicable !!!			
View File			

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
140000000	131316162

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Newly Added
Seminar halls with ICT facilities	Newly Added
Seminar Halls	Newly Added
No file uploaded.	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AUTOLIB	Fully	8.2	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	243083	141454049	3311	4399707	246394	145853756
Reference Books	9391	7209046	1326	856495	10717	8065541
e-Books	Nill	Nill	10926	23500	10926	23500
Journals	144	339247	80	225705	224	564952
e-Journals	19149	5365640	Nill	Nill	19149	5365640
CD & Video	1285	Nill	100	Nill	1385	Nill
Library Automation	Nill	150000	Nill	Nill	Nill	150000
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(s pecify)	Nill	5000000	Nill	1200000	Nill	6200000
Digital Database	Nill	7	Nill	1	Nill	8
View File						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	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 – Bandwidth available of internet connection in the Institution (Leased line)

500 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and
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	recording facility
Sathyabama Media Centre	https://www.sathyabama.ac.in/media-centre

4.4 – Maintenance of Campus Infrastructure

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 incurred on maintenance of physical facilities
33000000	32689250	27000000	26745750

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)

<ul style="list-style-type: none"> • 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 • Adequate 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 placed on every floor and classroom. • The institution houses two research parks which run 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 in-house 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 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 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	442	55542500
Financial Support from Other Sources			
a) National	Nill	Nill	Nill
b) International	Nill	Nill	Nill

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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 implementation	Number of students enrolled	Agencies involved
Alumni Mentorship Program	05/03/2016	2181	Sathyabama Alumni
Need Based Training	06/07/2015	2076	IMS, Innovative
ProDev	01/02/2016	2181	Stride, Vistamind
CodeGene	07/03/2016	2183	Ebox, Digirati, CCC, Ethnus
Campus Connect	12/04/2016	1350	Infosys, Chennai
Campus to Corporate	27/04/2016	1300	Cognizant, Chennai
Commune	01/02/2016	1813	Stride, Vistamind, Innovative
BEC	04/03/2016	2181	Ebek, Stride, Talent Sprint
AptiCracker	06/07/2015	2183	Innovative, Vistamind, IMS

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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 passed in the comp. exam	Number of students placed
2015	Campus to Corporate	Nil	1300	Nil	1218
2015	Campus Connect	Nil	1350	Nil	1235
2015	AptiCracker	Nil	2183	Nil	1563
2015	CodeGene	Nil	2183	Nil	1563

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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
9	9	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
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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
GRE	200
TOFEL	24
Any Other	104
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2015	SA TROPHY -Basketball	National	1	Nil	Nil	University Basket Ball Team
2015	RAMAKRISHNA TROPHY -Basketball	National	1	Nil	Nil	University Basket Ball Team
2015	REVA TROPHY -Basketball	National	1	Nil	Nil	University Basket Ball Team
2015	Athletics-100m Run-Zonal Sports	National	1	Nil	Nil	University Basket Ball Team

	meet supported by NASA					
2015	Basketball- Zonal Sports meet supported by NASA	National	1	Nil	Nil	Akshaya

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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. At Sathyabama, 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:

17897

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

2500000

5.4.4 – Meetings/activities organized by Alumni Association :

ALUMNI ASSOCIATION : MoM – 2016 Date: 11.01.2016 Time: 10.00 AM Venue: Open space Auditorium, Sathyabama Institute of Science Technology Event: Alumni Annual Meeting Agenda: 1. To discuss about enhancing the learning ambience 2. To discuss about their role in Academic as well as Non-Academic activities 3. Increase the alumni connectivity/affinity and sense of pride 4. Contribution to Alma matter 5. Support for under privileged students Minutes of the meeting: The Annual meet of the Alumni started with the welcome address delivered by our Vice Chancellor Dr. K.V. Narayanan. Our Pro Chancellor Dr. Mariazeena Johnson gave the inaugural address. Vice President Dr. Marie Johnson felicitated the Best Performing Alumni with memento. The following are some of the key points discussed 1. To give more awareness to the students about start-ups 2. Faculty development and Faculty exchange, Alumni Talk series to be organized 3. To increase more alumni members and strengthen the association 4. Technical competitions were conducted by Siemens, Virtusa, TCS and Capgemini 5. Alumni promised to organize societal events and raise funds for under privileged students Mr. Boopathy (President, Sathyabama Alumni Association) gave Vote of Thanks and the meeting ended with sine die. ALUMNI ASSOCIATION : MoM – 2016 Date: 09.08.2016 Time: 4.00 PM Venue: Conference Hall- Placement cell, Sathyabama Institute of Science Technology Event: Alumni Executive Committee Meeting Agenda: 1. Supporting the club activities 2. Developments – Academic and Non academic 3. Creating more Internships and Projects opportunities 4. Support for signing MOUs with Foreign Universities 5. Centre of Excellence Labs 6. Faculty Enhancement Program Minutes of the meeting: 1. Recommendations for Syllabus revision to be carried out from the next semester 2. Developments were reviewed and proposed to create and establish Alumni endowments for granting scholarships, prizes and medals to the students showing high proficiency in their studies and honour former students of the University 3. Internships and Live projects were offered to students 4. To improve industry institute interaction, more of MOUS to be signed 5. Faculty Development Programs for on latest topics

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 Institution practices Decentralization and encourages Participative Management. The Institution promotes a participative culture and everyone work towards the achievement of the Institution's vision. Equal opportunity is provided to participate in decisions relating to the functioning of the Institution 1. Academic Departments organized under Schools with Autonomy All the Academic Departments are grouped under different Schools. The Schools are headed by Deans and the Departments under each School are headed by Heads of the Departments. Deans are delegated with adequate academic and administrative powers to look after the Departments, and the Department Heads, in turn are vested with adequate authority to take care of the functioning of their respective Departments. Deans of every School are responsible for the effective functioning of the departments under them. Academic Deans act as the facilitating link between the Departments, faculty members, staff, students, and the top management. All the Deans will function under the guidance and control of the Vice Chancellor of the Institution. Registrar is the Administrative Head. Authority and responsibilities of Deans Leading efforts toward achieving Institution's goals and coordinating the governance of the

Institution. Developing budget for the Departments. leading, and coordinating the School's strategic planning and curriculum development Supervising, evaluating, and supporting Departments/Schools in a manner that promotes excellence. Leading and coordinating the processes of selection, coordinating the professional development and responsible for the welfare of the faculty and staff and their retention. Evaluating the Departmental/School productivity in academics and research. Advising the top management on various policies and procedures, especially in the academic area Managing non-teaching staff members Leading, and encouraging the Schools/Departments to organize programmes for their development including societal outreach programmes. 2. Research Centres functioning with full autonomy Quality education and research are the twin objectives of the Institution that goes hand in hand. To address the global challenges with respect to social, economic and environmental issues, the Institution is involved in breakthrough research and innovation in the thrust areas of Science and Technology. Based on the area of the research, the Institution has established various Research Centres. The research centres carry out research on almost all the major areas of science and Technology. These centres include Centre for Nanoscience and Nanotechnology Centre for Energy Research Centre for Ocean Research Centre for Space Technology The Centre for Bioresource Research and Development Centre for Earth and Atmosphere Science Centre for Remote Sensing and Geoinformatics Centre for Robotics and Automation Centre for Quality Assurance and Non-Destructive Evaluation Centre for Waste Management Centre for Laboratory Animal Research Centre for Climate Change Studies Centre for Drug discovery and development The Research Centres work under the Vice chancellor and the Director-Research of the Institution. Centres function with the highest level of autonomy and are examples for decentralized set up and participative management. Every Centre has a Head who takes care of the functioning of the Centre with the powers delegated by the Vice Chancellor and Director-Research of the Institution.

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	<p>Merit Scholarship is provided to the students with scores above 90 in higher secondary examination. Assistance provided to students in securing educational loan through leading banks.</p> <ul style="list-style-type: none"> • 50 seats (both UG and PG) are allocated for candidates who excel in sports. Students given admission under Sports Quota are given full wavier of Tuition fee and Hostel Fee
Industry Interaction / Collaboration	<ul style="list-style-type: none"> • Partnership with Industries has resulted in Internship opportunities for our students in Industries, Skill Development Courses, Lecture series and Expert Talks by Industry people. • MOUs with several International Universities and industries like WIPRO, ACCENTURE, COGNIZANT, CSC, EMERSON, FL SMIDTH, VIRTUSA and INFOSYS for the purpose of enriching the technical education. •

Partnered with several premier training institutes to provide training to our students to prepare for various competitive examinations and to prepare them as industry ready graduates. • Students are placed in good organizations through campus interviews conducted, in collaboration with prominent industries.

Human Resource Management

• Faculty members are honoured by management with Research excellence award for their quality publications. • Measures to enhance the work life balance of the staff are taken. • Child care facility and lactation support programmes, Counselling for staff members for their personal issues are provided. • Staff members can avail consultation and medical treatment at the Institution's General Hospital and Dental Hospital. • Women Empowerment Cell conducts Health awareness programmes for female faculty members and organizes Health check up camp for women. • IQAC organizes development programmes for faculty members based on competency based skill matrix.

Library, ICT and Physical Infrastructure / Instrumentation

• The Institution regularly upgrades the ICT facilities in the campus. Around 100 Class rooms are equipped with ICT facilities and upgraded as Smart classrooms. • Power backup facilities for laboratories are enhanced based on the increased requirements of the departments. • Library resources are enhanced to meet the academic and research needs of faculty and students. Books are purchased in new titles and e-resources are subscribed largely. In addition to the Central library, the Department library is also strengthened by adding more books. • Equipments for Characterization are purchased for Centre for Nanoscience and Nanotechnology.

Research and Development

• The centre for waste management had initiated Research and Faculty members are guided to attend research calls of various Ministries and agencies and encouraged to convert their research outcomes into products or services and for subsequent patenting and commercialization. • The University has undertaken various sponsored and collaborative Research and Development projects funded by national

organizations such as ISRO, DST, DBT, IGCAR, DRDO, DAE, MoEF etc,. • Consultancy projects are undertaken to solve the needs of Industry and research organizations. • Research to discover the drug molecules for the diseaseslike AIDS, Tuberculosis, Cancer and Diabetes etc. utilizing various natural resources are undertaken by the Research Centres.

Examination and Evaluation

• We have implemented Continuous Assessment Examination Evaluation pattern. Students are continuously assessed based on their attendance and their participation in quizzes, presentations, seminars, assignments and other class activities. • Minimum of two Continuous Assessment Exams are conducted for each Theory course. Each Assessment Exam is conducted for a Maximum of 50 Marks. The percentage of attendance secured by the candidate in a course in a semester will carry a weightage of 5 Marks.

Teaching and Learning

• Student-centric learning environment is created through group discussions, project and group presentations. Class room activities were planned in such a way that it involves discussions, quizzes and presentations that improved the creative talents of the students. • Group activities are assigned to the students to encourage them to work together to understand the issues and solve as a team. • Opportunity to gain exposure outside the institution is facilitated by the Centre for Academic Partnerships and International Relations, which coordinates International study programmes. • Case study-based learning is being used for teaching, wherever it is possible. • Value added courses are provided to students.

Curriculum Development

• Curriculum designing is based on Bloom's Taxonomy. • Curriculum is enriched with courses that will enhance the employability of the students. • Inputs from Alumni working in Industries, prospective employers and Industry experts are considered with due weightage while designing or revising curriculum. • Views or feedback on curriculum are received from the stakeholders and the suggested improvements are incorporated in the

curriculum. • Students are encouraged to take social internships to make them aware of the social issues in the country like health, education, poverty alleviation etc. This exposure helped in developing empathy and leadership skills in students.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Finance and Accounts	? Finance and Accounts: e-portal facilitates online payment of every sort, including tuition fee, reimbursements etc:
Student Admission and Support	? Student Admission and Support: E-portal takes care of all the help desk activities for students, including promoting of daily alerts on curriculum based activities, appraisal of intimations/news and announcements, welfare schemes, student club activities etc.
Planning and Development	? Planning and Development: Campus management is in place. The student life cycle, progression and research portals are established and periodic review of the progression helps in future planning and development measures.
Administration	? Administration: E governance through Management information system - Maintaining human resource services, salary for staff, on line payments, student alert to parents are in place.
Examination	? Two Semester Examination pattern in a year is being followed for all the courses, except Dental Course. ? Continuous Evaluation system is being followed throughout Institution. Under this system, 80 weightage is given to pen and paper mode examination 15 for the Assignments, Seminars and 5 for the Attendance. ? For 80 weightage for pen and paper system, 50 weightage is given to End Semester Examination conducted once in a Semester and 50 weightage given to a Continuous Assessment Examination.

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	Name of the professional body for which membership	Amount of support
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		support provided	fee is provided	
No Data Entered/Not Applicable !!!				
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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-teaching staff)
No Data Entered/Not Applicable !!!						
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher 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
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
57	57	15	15

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> Teaching staff members children (who get admission in our university) provided 50 concession on tuition fee. Medical insurance (sum assured Rs.One lakh/Head) for the staff members is provided and Premium paid by the management. A maternity leave of three months with full pay can be availed by the Female staff members (for two children). The staff members who have been working in our university for more than 5 years, in case of sudden demise, the family member may be granted an amount of 1 	<ul style="list-style-type: none"> A 100 concession for the children for the non teaching faculty whose child scores very high score in the qualifying examination. Medical insurance (sum assured Rs.One lakh/Head) for the staff members is provided and Premium paid by the management. A maternity leave of three months with full pay can be availed by the Female staff members (for two children). The staff members who have been working in our university for more than 5 years, in case of sudden demise, the family member may be granted an amount of 1 	<ul style="list-style-type: none"> Institute provides 100 Fee waiving with food and accommodation for Person with Disability (PWD) student, acid attacked students and Economically Weaker Sections (EWS) and Sports students. Free health checkup for students Free dental screening camp will be organized for all the students every 6 months in our university Dental hospital.

lakh. • Free Master health checkup for our staff members above 35 years will be provided • Free dental screening camp will be organized for all the staff members every 6 months in our 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

lakh. • Free Master health checkup for our staff members above 35 years will be provided • Free dental screening camp will be organized for all the staff members every 6 months in our 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.

sponsored research projects will be rewarded after completing the project successfully

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	Not Available
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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	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO DNV	Yes	AUDITOR
Administrative	Yes	ISO DNV	Yes	AUDITOR

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)

Parents are involved in the Board of studies, and other committees. Feedback is collected from parents for curriculum revision. Feedback is received from parents on Infrastructure facilities. All parents were invited to the Graduation day celebrations. Feedback and suggestions are taken from parents.

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

Workshop on laboratory management and instrument operations was organized for all lab in-charges. Data Transfer and File Management training was given for

all administration staff. Training on the use of Mobile and Online Banking were given to all non-teaching staff. Desktop Publishing (DTP) program was organized for non-teaching staff.

6.5.5 – Post Accreditation initiative(s) (mention at least three)

1. Infrastructure Development 2. Improvement in Quality of Research 3. Academic flexibility was initiated 4. Choice based credit system

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
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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
Discussion on UN's theme of the year Planet 50-50 by 2030: Step It Up for Gender Equality	23/10/2015	23/10/2015	93	65
National Workshop on Gender Sensitization	29/01/2016	29/01/2016	78	89
National Conference on Gender and Sexuality	18/02/2016	18/02/2016	67	88
Faculty Development on Gender Sensitisation	21/03/2016	25/03/2016	64	35

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
With more than 10,000 inmates including the students, faculties, researchers and non-teaching staff the total energy consumption for the operation of all

electrical and electronic equipments in classrooms, laboratories, administrative buildings, seminar halls, auditoriums, conference rooms, library, gymnasiums, hostels, staff rooms, hospital, dental college etc., is 41,26,100 kVAh of the total 24,000kVA provided by TNEB. During this period the total energy was utilized from the Tamilnadu Electricity Board. It is during this period several research initiatives were converted into prototypes and tested so as to partially reduce the consumption of Energy from the TNEB. The

Centre of Excellence for Energy research established in October 2014, dedicatedly worked in developing renewable energy technologies. The team of researchers and academicians associated with the centre focussed keenly in developing low-cost, effective energy converting solar panels, nanomaterials for energy capture, potential waste to energy processes, hybrid energy systems. Photovoltaic devices have received great attention in recent years owing to the everlasting availability of the sun as the natural energy resource. First and second-generation solar cells based on silicon (Si) and inorganic thin films like CdTe, CuInS₂ etc., are either expensive or often causing environmental pollution. Whereas third generation solar cells depend on the usage of abundant natural resources. Understanding the significance of usage of solar cells in energy conversion, absorber materials including CZTS and CZTSe, NiO Thin Films, Transparent Zn-N Thin Films, Zn-Sn-N absorber material, solid state perovskite thin film solar cell have been developed using state of art technology like Reactive Radio Frequency Magnetron Sputtering. The institute being located close to the coastline and spread across a vast area has a large potential for tapping wind energy too. This was explored by the research team from the department of electrical and electronics engineering with the guidelines and inputs from the Centre for Wind Energy Technology leading to design and development of customized small windmills that cater to the electrical energy demand of small laboratories or rooms that demand low energy. Organic solid waste has immense potential to be converted into energy. The institution practices the most preferred waste management hierarchy of handing over the organic waste (food waste) for pig feeding. However the rate of food waste generation increasing year by year has necessitated the identification of alternate methodologies to handle the food waste. Research has been taken forth for the development of hydrogen production favoring fermentation route, wherein the food waste can be converted into clean hydrogen energy.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Scribes for examination	Yes	10
Special skill development for differently abled students	Yes	20

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2015	Nil	1	21/07/2015	40	Commercial Baking	Improved employability and	10

						productiv ity of workforce / Entrepr eneurship Developme nt	
2015	Nill	1	25/06/2 015	40	Beauty and Wellness Therapy	Improved employabi lity and productiv ity of workforce / Entrepr eneurship Developme nt	10
2015	1	Nill	25/11/2 015	1	Laptop Servicing	Entrepr eneurial Skill training and capacity building	5
2016	1	Nill	23/03/2 016	1	Organic Farming	Sustain able organic farming	10
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Handbook on Human Values And Professional Ethics	01/07/2015	Human Values and Professional ethics influenced student's emotional intelligence. Student's achievement is influenced by their emotional intelligences. Emotional intelligences related to moral behaviours, the way of thinking, problem solving, and social interacts, personal emotion, and academic achievement. The data showed that Human values and professional ethics had an impact on the students achievement and behaviour. Teaching moral values to the students and to teach moral values to the students,

strategies or methods are identified to make the teaching process success. Furnished information helps to build an appropriate educational method to teach human values to the students.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
One day Training Programme for Human Values	12/08/2015	12/08/2015	100
One day Training Programme for NGO teachers on Human Values	25/08/2015	25/08/2015	100
My Saturday University on Human Values	22/09/2015	22/09/2015	185
My Saturday University on Professional Ethics	10/10/2015	10/10/2015	175
My Saturday University on Social and Economic Sustainability	19/10/2015	19/10/2015	200
One week lecture series on Social Cohesion	07/03/2016	11/03/2016	200
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Solar Steam Cooking System- One of Asias Largest Solar cooking system-initiative awarded by MNRE 2. Photovoltaic panels: All buildings are empowered with Solar panels in a phase wise and to make most of power requirement from Non conventional energy resources. 3. Solid Waste management: A detailed initiative is currently underway to efficiently manage the solid waste management. Waster disposals/biomedical waste are properly categorized and disposed as per ethical committee guidelines. 4. Terrace Gardening 5. Water Recycle 6. Solar Lamps 7. Solar water Heaters

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICES - I Title: STUDENT ONLINE FEEDBACK SYSTEM OBJECTIVES OF THE PRACTICE:

- To evaluate the strength of each teacher from the student perspective
- To evaluate the effectiveness of the teaching-learning process
- To understand the strength and weakness of a department as a whole in the teaching process

THE CONTEXT The Institute believes in learner autonomy and hence the role of student in the evaluation process is significant. A sense of belongingness to the organisation is needed for every student and hence given a chance to participate in the process. Till now the feedback system was voluntary and was executed by the department offline. A lack in uniformity

between departments was observed. Hence there is a need for centralised common feedback system. THE PRACTICE • The institute currently collects the online feedback about the instructor who handles subject in that semester. • Students can access the online feedback form through their online web login and will be available for their access for a limited period of 10 days. • The students are asked to rate the instructor for their course on ten parameters on a five pointer scale. • The feedback is got after the Continuous assessment Examination-1 of each semester, which is almost the middle of the semester. • It is assured that the feedback is analysed only when more than 90 of students in each class have given the feedback for the teacher. • The student responses are analysed by IQAC and the corrective and preventive actions are taken with discussion of HoD and Dean of the department the faculty belongs to. OBSTACLES OBSERVED Student involvement in the process is sometimes poor as they are not involved in the correction process. Oral discussion and communication between the HoD, Counsellors and student towards corrective and preventive action may induce more involvement. EVIDENCE OF SUCCESS The feedback system currently serves as a open and transparent communication between the teachers, students and administrators. Student participation is improved and teaching quality is enhanced. Teachers have become more punctual and responsible. Teachers with good teaching practices were motivated and set as example for others to follow. RESOURCES REQUIRED The feedback portal and its subsequent activities are supported and managed by the Institute BEST PRACTICES - II Title: Students Involvement in Research Projects OBJECTIVES OF THE PRACTICE: • To enhance the quality of of student projects • To make the students understand, appreciate, and get exposure to state of art research work • To enhance knowledge transfer between academic departments and research centres • To upscale the quality of final year projects of students through the exposure gained through interdepartmental research THE CONTEXT Sathyabama houses 25 departments and 13 centres for research. It was observed that students lack research interest and to instill the research culture among students, The research scientists and academic faculty together propose and execute quality research projects taking the advantage of student manpower and the vertical knowledge of the scientists. THE PRACTICE • All the in house research project proposals and proposals prepared for specific call to various Government agencies prepared by academic faculty or research scientists are presented in the common forum of academic faculty and research scientists who work relevant to the research area • Knowledge transfer takes place through discussions in the forum • Active involvement is established between the scientists and academic faculty in framing and fine tuning the students research proposal • Young researchers/faculty also get exposed to the state of the research arena and get to know the research strengths of each other • Academic faculty also interact with the research scientists to understand, appreciate and learn the methodology of ongoing research projects OBSTACLES OBSERVED Academic faculty has a horizontal knowledge and strong foundational concepts. Whereas research scientists have a thorough vertical knowledge in a narrowed research area. This hurdle will get balanced as the process progresses further EVIDENCE OF SUCCESS As a evidence of success to this initiative, 30 funded research projects were successfully completed and 46 New projects were granted from funding agencies. RESOURCES REQUIRED Regular meetings and forums are needed for interactions

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

<http://www.sathyabama.ac.in/academics/iqac>

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 believes that the true essence of empowerment is by fostering motivation and creating sustained forms lasting opportunities to its students and Faculty Members. Student Development clubs in all domains are established to develop mastery of skills for students. The university at present houses various clubs such as the Eco, Science, Math, Aero, Community, Design, Robotic, Literary, Computer Science, Innovation, etc which creates a wider arena for intellectual and personality development to students. These efforts are inline with the vision of the University "Effective and Competent Source of technical manpower". Sathyabama's cognizance as a premier educational institute takes consistent effort in providing social and gender equality for sustainable society. The enrolment figures for various programmes of the Institution ensure the equal participation of girls in the education. Sathyabama, as an employer, practice positive discrimination towards employment of women. Women occupy most of the key positions in the Institution and more than 60 of the staff members are women. In any committee or club or any forum, the equal representation of girls and women is a strictly followed norm at the Institution. Sathyabama stands unique to celebrate womanhood every year with a two day grand gala event called FEMFEST - an event for women, by women. Sathyabama is the first of its kind to introduce "My Saturday University" to offer Skill Development Courses for the Government School Children. It is a fun loving educational programme designed for underprivileged children to learn and acquaint knowledge. The Institution put its best step forward to contribute to various Start up activities inside the campus. The Institution encourages startup ideas of students through the Technology Business Incubator right from Ideation to Deployment. More support to such ideas through consultancy and investments. The Faculty and students are encouraged to perform quality research on product development by supporting them with Seed Funds. Our Institution started pioneering Nanotechnology research by updating the Nanotechnology research centre with latest characterization equipments. Our Institution believes in opportunity for all and provides 100 merit scholarship to privileged children, sports students, etc. Our Institution took a major initiative of converting itself into an inclusive university for physically challenged students.

Provide the weblink of the institution

<http://www.sathyabama.ac.in/academics/igac>

8.Future Plans of Actions for Next Academic Year

- **Space Technology Initiative:** The Institution is planning to launch a Nano Satellite which is being developed by Faculty and students in association with ISRO to monitor the Green House Gases in the Atmosphere. A 40 member core team of students and staff with the support of eminent scientists of ISRO are involved in the development of this Nano Satellite.
- **Jeppiaar IAS Academy:** Most of the students wish to work for corporates and some of the students aspire to become entrepreneurs. Students' lack awareness about the opportunities in civil services and those who aspire to become civil servants do not usually know how to prepare for the exams. So, the Institution is planning to start an IAS Academy to provide free coaching to students and guide and support them to prepare for Civil service examinations.
- **Research Advisory Board:** To address the global challenges with respect to social, economic and environmental issues, the Institution is involved in breakthrough research and innovation in the thrust areas of Science and Technology. Academic research is considered to be very important to offer solutions to the problems encountered by the Industries. Having understood the need for sharing knowledge between Industries and Universities, Sathyabama collaboratively work with many of the industries and the fruit of the synergistic effort are enjoyed by the Institution, Industry and Society. It is planned to constitute a Research Advisory Board to get the experts advise for research initiatives.
- **Semester Abroad Programme(SAP):** Sathyabama has partnership with

several Universities worldwide. The Institution intends to provide international learning experience to the students. Study abroad is one of the best ways for the students, to experience different academic environment at an International University as it gives an experience beyond the conventional classroom learning. So the Institution is planning to send more students on Semester Abroad Programme(SAP) to the partnering universities. The students can study 4-6 subjects for which credits are transferred.

- Industry Partnership: The Institution plans to promote partnership with industries to strengthen the Institute-Industry collaboration in order to facilitate opportunities like Professional Internships, Industrial Visits and real time projects for students.
- Joint Academic Programmes: It is also planned to initiate Joint Academic Programmes in association with Industries so that students get exposure to curriculum jointly developed by academicians and industrial experts. Joint Programmes with leading companies will also provide opportunity for students to be trained and mentored by Specialists from industry which will improve their employability