

# **SATHYABAMA UNIVERSITY**

(Established under Section 3 of UGC Act, 1956)  
Accredited by NAAC (A Christian Minority Institution)

## **INTERNAL QUALITY ASSURANCE CELL**

### **ANNUAL QUALITY ASSURANCE REPORT (2016 – 2017)**

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

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

### Part – A

#### 1. Details of the Institution

1.1 Name of the Institution

SATHYABAMA UNIVERSITY

1.2 Address Line 1

Jeppiaar Nagar

Address Line 2

Rajiv Gandhi Salai

City/Town

Chennai

State

Tamilnadu

Pin Code

600119

Institution e-mail address

registrar@sathyabamauniversity.ac.in

Contact Nos.

24503150 / 24503151 /  
24503152 / 24503154

Name of the Head of the Institution

Prof. Dr. K. V. Narayanan, M.E., Ph.D.,

Tel. No. with STD Code:

+91-44-24503737

Mobile:

9444297130

Name of the IQAC Co-ordinator: Dr. M. Sundareswari

Mobile: 9840477004

IQAC e-mail address: iqac@sathyabamauniversity.ac.in

NAAC Track ID (For ex. MHC0GN 18879) TNUNGN10127

1.3 NAAC Executive Committee No. & Date: EC (SC) / 09 / A & A / 74.2 dated Sep 14, 2015

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

1.4 Website address: www.sathyabamauniversity.ac.in

Web-link of the AQAR: [http://www.sathyabamauniversity.ac.in/documents/IQAR/AQAR\\_2016\\_2017.pdf](http://www.sathyabamauniversity.ac.in/documents/IQAR/AQAR_2016_2017.pdf)

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

#### 1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B++	80-85%	2006	5 Years
2	2 <sup>nd</sup> Cycle	B	2.5	2015	5 Years
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.6 Date of Establishment of IQAC: DD/MM/YYYY 03/07/2007

1.7 AQAR for the year (for example 2010-11) 2016 – 2017

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

i. AQAR 2006 – 2007 submitted to NAAC on 16/07/2007

- ii. AQAR 2007 – 2008 submitted to NAAC on 29/08/2008
- iii. AQAR 2008 – 2009 submitted to NAAC on 07/08/2009
- iv. AQAR 2009 – 2010 submitted to NAAC on 08/09/2010
- v. AQAR 2010 – 2011 submitted to NAAC on 22/07/2011
- vi. AQAR 2011 – 2012 submitted to NAAC on 16/07/2012
- vii. AQAR 2012 – 2013 submitted to NAAC on 09/08/2013
- viii. AQAR 2013 – 2014 submitted to NAAC on 16/07/2014
- ix. AQAR 2014 – 2015 submitted to NAAC on 05/08/2015
- x. AQAR 2015 – 2016 submitted to NAAC on 17/08/2016
- xi. AQAR 2016 – 2017 submitted to NAAC on 18/08/2016

#### 1.9 Institutional Status

University ☐ State ☐ Central ☐ Deemed ☐ Private ☒

Affiliated College Yes ☐ No ☒

Constituent College Yes ☐ No ☒

Autonomous College of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☒ No ☐

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

UGC, MHRD, DCI, COA

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☒ Rural ☐ Tribal ☐

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

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

#### 1.10 Type of Faculty/Programme

Arts ☒ Science ☒ Commerce ☒ Law ☐ PEI (PhysEdu) ☐

TEI (Edu) ☐ Engineering ☒ Health Science ☒ Management ☒

Others (Specify)

#### 1.11 Name of the Affiliating University (for the Colleges)

NA

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

Autonomy by State/Central Govt./University

Deemed University

University with Potential for Excellence

UGC-CPE

DST Star Scheme



UGC-Special Assistance Programme

DST-FIST

☒\*

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

\* DST-FIST Sponsored Lab- Life Sciences, Physical Science and Engineering Sciences

## 2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="6"/>
2.2 No. of Administrative/Technical Staff	<input type="text" value="2"/>
2.3 No. of Students	<input type="text" value="2"/>
2.4 No. of Management Representatives	<input type="text" value="2"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2.6 No. of any other stakeholder and Community Representatives	<input type="text" value="2"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="2"/>
2.8 No. of other External Experts	<input type="text" value="1"/>
2.9 Total No. of Members	<input type="text" value="20"/>
2.10 No. Of IQAC meetings held	<input type="text" value="4"/>

2.11 No. of meetings with various stakeholders:

Faculty	<input type="text" value="12"/>	Non-Teaching Staff	<input type="text" value="4"/>
Students Alumni	<input type="text" value="1"/>	Students	<input type="text" value="12"/>
		Others	<input type="text"/>

2.12 Has IQAC received any funding from UGC during the year? Yes ☐ No ☒

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos.	<input type="text" value="5"/>	International	<input type="text"/>	National	<input type="text" value="1"/>	State	<input type="text"/>	Institution Level	<input type="text" value="4"/>
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(ii) Themes

- “Enhancing Quality Higher Education – NPTEL Courses”
- “Effective Course Delivery”
- Two Day National Seminar on “Quality Higher Education” in the month of April 2017.
- “IQAC for Quality enhancement and API Scoring”
- “Quality Enhancement through innovations in teaching methodology”

2.14 Significant Activities and contributions made by IQAC

- Review of Academic and Research Performance of Faculty Members belonging to various schools and research centres has been exercised for a period of fifteen days (07.06.2017 to 22.06.2017) by the Governing Body with the IQAC Chairperson.
- Student’s Feedback is scheduled and executed by IQAC: Summarized Feedback report has been utilized by the Governing Body for Performance Evaluation of Faculty Members.
- Database of Existing Staff Information System is suitably modified in order to retrieve the data as and when required with special added features along with the supporting documents.
- Faculty Members and Students take up more number of NPTEL Courses / GIAN Courses – Credit Transfer for the benefit of students have been suggested to the Controller of Examinations.
- National Seminar on “Quality Higher Education” – Please refer **Annexure 1** for Broucher, **Annexure 2** for Schedule and **Annexure 3** for Seminar Report and Photos.
- To kindle the knowledge about the core companies and to encourage the students to focus towards core companies, an activity was executed by IQAC to each school in the month of March 2017 – Please refer **Annexure 4** for details.

- IQAC has recommended for a unique full-fledged IPR Cell within the University Campus to promote IPR (Intellectual Property Rights) Culture among the Scientist / Faculty Members / Students with the long term aim of making IPR Culture integral to the R & D efforts of our university.
- Workshops and National Seminar are organized on the following themes
  - IQAC for Quality enhancement and API Scoring
  - Quality Enhancement through Innovations in Teaching Methodology
  - Effective Course Delivery
  - Enhancing Quality Higher Education – NPTEL Courses
- Academic Audit was scheduled and executed with the support of Internal Assessors.
- The report for each school is consolidated and the findings are communicated to the respective Deans.

#### 2.15 Plan of Action by IQAC/Outcome

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

Plan of Action	Schedule	Outcome / Achievements
Meeting with IQAC members and QCM on quality enhancement in teaching	July 2016	
Presentation of result analysis by dean of each school with top officials – identify the issues & measures to be taken	July 2016	Online Digital Class Rooms for submission of Assignments are encouraged.
Orientation program for 1st year UG/ PG students	August 2016	Online Concept Level Test was executed to identify the slow and advanced learners in each Schools at the entry level  Slow learners were induced to join Bridge Course and Advanced learners were encouraged to join Certificate Courses.
Special attention to students having more than 3 arrears.	August 2016	
Concept level test for 1st year UG/ PG students – advanced & slow learners – Bridge courses for slow learners –Communication classes and Mat-lab for non-maths and slow learner students	August 2016	



Certificate Courses – Organic Farming and Mushroom Cultivation, Photography, Digital Marketing, Desktop & Laptop Servicing.	August 2016	Students are benefited
Higher education opportunities for Acid Attack Victims & Disabled students - Admission	August 2016	Acid Victims and visually challenged are given admission in MBA and B.Sc. (Viscom) programmes.
One day Workshop on “IQAC for Quality enhancement and API Scoring” “Quality Enhancement through innovations in teaching methodology”	August 18th & 22nd , 2016	Guest Name: Dr. Rita John, University of Madras and Dr. Nirmala Prasad, Our External IQAC Member
Meeting with IQAC members and QCM on Research and Development Activities Student Evaluation Form Meeting for Schedule of academic audit	September 2016	
Submission of consolidated feedback response from Students, Alumni, Parents & Staff to IQAC	September 2016	
Meeting with IQAC members and QCM on schedule of academic audit	October 2016	
Academic Audit –School of Computing, School of EE and Research Centre	November fourth week, 2016	
Academic Audit – School of Mechanical, School of Bio and School of Medicine	November fourth week	
Academic Audit – School of Building and Environment, School of Management Studies, School of S&H	November fourth week	
Meeting with IQAC members and QCM on consolidated academic report	December, 2016	
Preparation of Academic audit evaluation report	December 2016	
Meeting held - Board of Management, School Deans, Heads to present and analyze result analysis report – identify issues and actions/ measures to be identified	December 2016	
Health card for 1st year UG/ PG students	December 2016	Issued to all students and staffs.
Meeting with IQAC members and QCM on forthcoming semester	January 2017	
Presentation of result analysis (odd sem) by dean of each school with top officials – identify the issues & measures to be taken	February 2017	Remedial Classes are conducted
Progress of the student(identified via the skill set) – submission of reports	March 2017	
Special attention to students having more than 3 arrears	April 2017	
Global Initiative through Campus Abroad Programme (CAP)	April 2017	Details given in Criterion 5

Proposal on workshop related to research funding opportunities	May 2017	Will be conducted in the month of July 2017
Proposal for FD programme on quality related teaching process	May 2017	Conducted in the month of Jan 2017
Meeting on consolidated academic and feedback audit	June 2017	

*\* Attach the Academic Calendar of the year as Annexure.*

2.16 Whether the AQAR was placed in statutory body Yes ☒ No ☐

Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken

- Faculty Exchange Programme with Global Universities has been initiated.
- Staff Appreciation and awards for promoting research culture – Funded Projects, Peer Reviewed Publications with high Impact Factor and more Citation Index
- Infrastructure Development – “Col. Dr. Jeppiaar Boys Hostel” facility with 158 rooms has been constructed.
- Sewage Treatment plant-under construction
- Dental College Boys’ Hostel constructed with 60 rooms.
- Large fund has been sanctioned for the Faculty members to participate in International level Seminar/FDP/Workshop/Conference.

## Annexure – 1

### National Seminar on Quality Higher Education – Brochure

#### About the University

Sathyabama University (A Christian Minority Institution) formerly known as Sathyabama Engineering College was established in 1987 by Col. Dr. Jeppiaar. It is a premier institute imparting knowledge in the areas of engineering, science, technology and education on par with international standards. Untiring efforts of staff, students and management and positive academic ambience prevailing in the campus had made University to be ranked as 2nd among Private Universities in Tamilnadu by National Institutional Ranking Framework, Ministry of Human Resource Development, Government of India. The University also been declared as one among the top 31 universities by the Times Higher Education Ranking. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. Having acquired excellence in the academic part of education with all sophisticated facilities available, the University has established several research centers in the field of Remote Sensing & Geo Informatics, Nano Technology, Ocean Research, Water Research, Robotics, Earth & Atmospheric Sciences, Non Destructive Testing & Waste Management in collaboration with esteemed National Research organizations and are progressively working towards innovation in the field of Science & Technology. The University has been accredited by National Assessment and Accreditation Council (NAAC) and ISO 9001: 2008 Certification for Professional Quality Management Practices. The University has undertaken various Sponsored and Collaborative Research and Development projects funded by national organizations such as Indian Space Research Organization (ISRO), Department of Science and Technology (DST), Indira Gandhi Centre for Atomic Research (IGCAR), Defence Research and Development Organization (DRDO), Department of Bio-Technology (DBT), Ministry of Environment and Forests (MoEF), Board of Research in Nuclear Sciences (BRNS) etc., The University holds great promise to expand the applications of space technology, benefiting the common man and enriching the quality of life.

University has written a special page in the history of space research on 22nd June, 2016 with the launch of "SATHYABAMASAT" in association with ISRO.

#### IQAC at Sathyabama University

The Internal Quality Assurance Cell has been restructured and positioned in the Administrative Block with effect from December, 2016. Each School has a Quality Circle Member. IQAC is proactive and vibrant. Its functions includes arranging periodic quality related workshops, academic auditing, feedback from the stake holders, etc for the continuous improvement in overall performance of our University. The Internal Quality Assurance Cell has been instrumental in exercising innovative teaching learning process among our academic community and enabling the students to identify and equip themselves with the required skill set to meet the needs of placement companies.

#### Themes of the Conference

- Preparation for NAAC Audit - Autonomous Institutions, Affiliated Colleges, Deemed Universities.
- Internal and External Academic Auditing - Parameters, Formats, Experts - Efficient usage of outcome.
- Identification of new strategies for enhancement of quality for both teaching methodology and evaluation.
- Setting up of suitable Mechanisms to monitor the Quality Enhancement of Faculty members and students.
- Bridging between industry and academia.
- Special session on sharing the best practices followed in the respective institutions - Best team will be awarded
- Note: Entry and exit level questionnaire on NAAC related process and terminologies is also planned for the participants.

#### Two Days National Seminar on "Quality Higher Education - 2017"

Organized by  
Internal Quality Assurance Cell,  
Sathyabama University,  
Chennai

APRIL 28-29, 2017  
Registration From

Name:

Designation:

Address :

Email :

Mobile :

Registration Amount:

Name of the Bank:

DD Number :

Date:

Mode of Payment: DD should be drawn in favor of "The Registrar, Sathyabama University" payable at Chennai.

The filled-in Registration form along with the Demand Draft should be sent to the following address.

#### Internal Quality Assurance Cell (IQAC)

#### SATHYABAMA UNIVERSITY

Jeppiaar Nagar, Rajiv Gandhi Salai,  
Chennai – 600 119,  
Tamilnadu, India  
Tel : 044 - 2450 3150 / 51 / 52 / 54 / 55  
Fax: 044 - 2450 2344

E-mail : iqac@sathyabamauniversity.ac.in

Feedback and Queries  
TOLL FREE NUMBER : 1800 - 425 - 1770  
Website: www.sathyabamauniversity.ac.in

#### CHIEF PATRONS

**TMT. REMIBAI JEPIAAR, CHANCELLOR**

**Dr. MARIAZEENA JOHNSON, B.E., MBA., MPhil., Ph.D.,  
PRO CHANCELLOR**

**Dr. MARIE JOHNSON, B.E., MBA., MPhil., Ph.D.,  
VICE PRESIDENT**

#### PATRONS

**Dr. K.V. SARAVANAN, M.E., Ph.D.,  
VICE CHANCELLOR**

**Dr. T. SASIPRABA Ph.D.,  
PRO VICE CHANCELLOR**

**Dr. S.SRAU, MBA., Ph.D.,  
REGISTRAR**

**Dr. B.SHEELA RANI Ph.D.,  
DIRECTOR (RESEARCH)**

**Prof. IONI SABASTI PRAHU Ph.D.,  
CONTROLLER OF EXAMINATIONS**

**Dr. K. NIRMALA PRASAD,  
MEMBER,  
TAMILNADU STATE COUNCIL FOR HIGHER EDUCATION  
IQAC EXTERNAL MEMBER,  
SATHYABAMA UNIVERSITY**

**Organizing Committee:  
Internal Members of IQAC**

**Dr. V. Kavitha, Associate Professor, School of S&H  
Dr. C. Rameshkumar, Associate Professor, School of S&H  
Dr. C.L. Shaliga, Associate Professor, School of S&H  
Dr. S. Yashya, Assistant Professor, School of Management Studies  
Mr. V. Nirmal Rani, Associate Professor, School of Computing**

#### CONVENOR & IQAC COORDINATOR

**Prof. Dr. M. Sundareswari, Dean, School of S&H**

#### CONTACT US

**INTERNAL QUALITY ASSURANCE CELL,  
SATHYABAMA UNIVERSITY,  
CHENNAI-119.**

**Email : iqac@sathyabamauniversity.ac.in**

**Mobile : +91 9840477004**

#### Eminent Speakers

**Prof. Dr. S. P. Thyagarajan,**  
Former Vice Chancellor, University of Madras,  
Professor of Eminence and Dean (Research),  
Sri Ramachandra University, Chennai.  
NAAC Assessor

**Prof. Dr. T. Thyagarajan,**  
Director, CUGC and IQAC, Anna University,  
Professor, Department of Instrumentation Engineering,  
MIT Campus, Anna University, Chennai.  
NAAC Assessor

**Prof. Dr. Nirmala Prasad,**  
Former Principal, MOP Vaidhyan College for Women  
Member, Tamilnadu State Council for Higher  
Education, Chennai.  
External Member, Sathyabama University, Chennai.  
NAAC Assessor

**Prof. Dr. T.T. Narendran,**  
Professor (Retd.),  
Department of Management Studies,  
BITM, Chennai.

**Prof. Dr. M.Palaniswami Raja,**  
Professor in Mechanical Engineering,  
Head, Department of Mechanical,  
Dean of Planning and Development,  
Thiagarajar College of Engineering,  
Madurai

**Dr. Subitha Ramakrishnan,**  
Deputy Director IQAC,  
Assistant Professor (S.G)  
Department of Instrumentation Engineering,  
MIT Campus  
Anna University.

**Mr. A. Mayuramathan,**  
Past Chairman  
Quality Circle Forum of India, Chennai Chapter.

#### Registration

All participants are requested to register with the registration fee of Rs.500/- in the form of Demand Draft drawn in favor of "The Registrar, Sathyabama University" payable at Chennai. The DD along with the registration form should reach the Convenor on or before April 25th, 2017.

Local Participants can make use of our University Buses. Accommodation for outstation participants can be availed on request first cum first serve basis.

#### Two Days National Seminar on "Quality Higher Education - 2017"

Organized by  
Internal Quality Assurance Cell,  
Sathyabama University, Chennai

April 28-29, 2017

#### Inauguration

April 28, 2017 (Friday)

#### Inaugural & Keynote Address

**Prof. Dr. T. Thyagarajan**  
Director, CUGC and IQAC, Anna University

#### Valediction

April 29, 2017 (Saturday)

#### Special Address

**Prof. S. P. Thyagarajan,**  
Former Vice Chancellor,  
University of Madras,  
Professor of Eminence and Dean (Research),  
Sri Ramachandra University, Chennai

&

**Prof. Dr. K. Nirmala Prasad,**  
Member, Tamilnadu State Council for Higher Education  
IQAC External member, Sathyabama University

#### Organized by Internal Quality Assurance Cell (IQAC)

#### SATHYABAMA UNIVERSITY

(const. Under section 3 of the UGC Act 1956)

Jeppiaar Nagar, IT High way

Rajiv Gandhi Salai,

Chennai – 600 119,

Tamilnadu, India

Tel : 044 - 2450 3150 / 51 / 52 / 54 / 55

Fax: 044 - 2450 2344

Website: www.sathyabamauniversity.ac.in

## Annexure – 2

### Schedule

Day	Session	Time	Topic	Resource Person	Chair Person/(tentative )
<b>DAY 1 28.04.2017 (Friday)</b>	1	8.00 am to 9.30 am	Breakfast and Registration, Entry level questionnaire on NAAC related terminologies,	-	-
	2	09.30 am to 10.30 am	-	<b>Inauguration and Keynote 1 by Prof. Dr. T. Thyagarajan</b> Director, CUIC and IQAC, Anna University, Department of Instrumentation Engineering, MIT Campus, Anna University <b>Keynote 2 by Prof. Dr.Nirmala Prasad,</b> Member, Tamilnadu State Council for Higher Education, External Member-IQAC	<b>Welcome Address by Dr.M.Sundareswari</b> <b>Presidential Address and Felicitation by Dr.K.V.Narayanan, Vice Chancellor</b> <b>Dr.T.Sasipraba, Pro Vice Chancellor</b> <b>Dr.S.S.Rau, Registrar</b> <b>Prof.Igni Sebasthi Prabu, Controller of Examinations</b> <b>Dr.Logashunmugam, Dean-Staff Affairs</b> <b>Dr.G.Sundari, Dean-Student Affairs</b>
	<b>Tea Break</b>				
	3	10.45 am to 12.00 noon	<b>Plenary Talk 1</b> Micro level Planning for NAAC peer team visit	<b>Prof. Dr. T. Thyagarajan</b> Director, CUIC and IQAC, Anna University, Department of Instrumentation Engineering, MIT Campus, Anna University	<b>Dr.B.Sheela Rani, Director Research</b>

	4	12 noon to 1.15 pm	<b>Invited Talk 2</b> Role of Stack holders and IQAC in the NAAC Accreditation Process	<b>Dr. Sabitha Ramakrishnan</b> Deputy Director IQAC Assistant Professor (S.G) Department of Instrumentation Engineering, MIT Campus Anna University.	<b>Dr.G.Sundari, Dean-Student Affairs</b>
	<b>Lunch Break</b>				
	5	2.00 pm to 3.30 pm	<b>Invited Talk 3</b> Role of Faculty in Quality Assurance in Technical Institutions	<b>Dr.M.Palaninatha Raja</b> Professor in Mechanical Engineering, Head, Department of Mechatronics, Dean of Planning and Development, Thiagarajar College of Engineering, Madurai 625 015	<b>Dr.S.Prakash, Dean-School of Mechanical</b>
<b>DAY 2 29.04.2017 (Saturday)</b>	1	8.30 am to 9.45 am	<b>Invited Talk 4</b> Efficient Mechanism to Monitor a Quality Enhancement of Faculty and Students	<b>Mr.A.Mayuranathan,</b> Past Chairman, Quality Circle Forum of India, Chennai Chapter	<b>Dr.S.Ravichandran, Head/Department of Physics</b>
	<b>Tea Break</b>				
	2	10.00 am to 11.15 pm	<b>Invited Talk 5</b> Alternative Pedagogic models for the new age	<b>Dr.T.T.Narendran,</b> Professor (Retd.), Department of Management Studies, IITM, Chennai	<b>Dr.Loga shanmugam, Dean-Staff Affairs</b>
	3	11.15 pm to 12.30 pm	<b>Invited Talk 6</b>	<b>Prof.Dr.K.Nirmala Prasad,</b> IQAC External Member, Sathyabama University	<b>Dr.N.M.Nandhitha a, Dean-School of EEE</b>
	<b>Lunch Break – exit level questionnaire</b>				

	4	1.30 pm to 2.45pm	Session on sharing the best practices followed in the respective institutions- Jury Dr.K.Nirmala Prasad		<b>Prof.Dr.K.V.Narayanan, Vice Chancellor Prof.Dr.T.SasiPraba, Pro Vice Chancellor</b>
	5	2.45 pm to 3.45 pm	<b>Valedictory function -</b> Special Address, Certificate Distributions, Feedback High Tea	<b>Prof Dr.S.P.Thyagarajan,</b> Former Vice Chancellor, University of Madras, Professor of Eminence and Dean (Research), Sri RamaChandra University, Chennai	<b>Prof.Dr.S.S.Rau, Registrar Prof.Dr.K.V.Narayanan, Vice Chancellor Prof.Dr.T.SasiPraba, Pro Vice Chancellor Prof.Dr.B.SheelaRani, Director (Research) Prof.Igni Sebastiprabu, Controller of Examinations Dr.Logashanmugam, Dean-Staff Affairs Dr.G.Sundari, Dean-Student Affairs</b>



### **Annexure – 3**

#### **Report and Photos**

Internal Quality Assurance Cell of Sathyabama University organised Two Days national Level Seminar on "Quality Higher Education-2017" during April 28th and 29th at our Library Presentation Hall. There were about 100 participants including the external participants from 11 institutes.

#### **Day 1:**

The inaugural address was given by **Prof.Dr.K.Nirmala Prasad**, External member of our IQAC and the NAAC Assessor, followed by the plenary talk of **Prof.Dr.T.Thyagarajan**, CUIC & IQAC Director, Anna University. The topic is: "Micro level planning for NAAC peer team visit". **Entry Level Questionnaire** was answered by all the participants. The best answered was identified as 1. Dean IQAC Periyar maniyammai University 2. QCM, School of Architecture and Planning, Sathyabama University.

This session was followed by **Dr.Sabitha RamaKrishnan** on "Role of Stake holders and IQAC in the NAAC Accreditation Process". Afternoon session was presented by **Prof.Dr.M.Palaninatha Raja**, Dean/Planning & Development, Thiagaraja College of Engineering, Madurai on "Role of Faculty in Quality Assurance in Technical Institutions".

#### **Day 2:**

Invited Talk 4 was given by **Mr.A.Mayuranathan, QCFI**, Chennai Chapter on "Efficient Mechanism to monitor Quality Enhancement of Faculty and Students"

This was followed by **Prof.T.T.Narendran's (IITM)** talk on "Alternative Pedagogic models for the new age".

Next Session was **to share the best practices** of their institutes- participation by Lakshmi College - Gandigram, Periyar Maniyammai University, GRT College of education-Chennai. The best presenter award was bagged by periyar maniyammai University. Session Jury was our External member of IQAC, viz., Eminent Professor Dr.K.Nirmala Prasad.

This session was followed by **Exit Level Questionnaire – by IQAC, Sathyabama University.**

**Valedictory Address** with a special talk on "Research & Innovation Ecosystem in Universities" was delivered by **Eminent Professor Dr. S.P.Thiagarajan**, Dean – Research, Sri Ramachandra University, Former Vice Chancellor, University of Madras.

This was followed by Feedback and certificate distribution.

Face book page has been created for IQAC of Sathyabama University. To follow click, [www.facebook.com/iqacsathyabamauniversity](http://www.facebook.com/iqacsathyabamauniversity)



**Inaugural Address – Dr. Nirmala Prasad,**  
NAAC Assessor, External IQAC Member,  
Sathyabama University, Chennai



**Plenary Talk – Prof. Dr. T. Thyagarajan,**  
Director, CUIC and IQAC, Anna University,  
MIT Campus, Anna University



**Presidential Address –  
Dr. K. V. Narayanan,**  
Vice Chancellor, Sathyabama University,  
Chennai



**Invited talk – Dr.M.Palaninatha Raja,**  
Prof. & Head Department of Mechatronics,  
Dean of Planning and Development,  
Thiyagarajar College of Engineering





**Invited Talk – Dr. Sabitha Ramakrishnan**, Deputy Director IQAC, Assistant Professor, Department of Instrumentation Engineering, MIT Campus, Anna University



**Invited Talk – Mr. A. Mayuranathan**, Quality Circle Forum of India, Chennai Chapter



**Invited Talk – Dr. T.T. Narendran**, Professor (Retd.), Department of Management Studies, IITM, Chennai



**Valedictory Address – Prof Dr. S. P. Thyagarajan**, Former Vice Chancellor, University of Madras, Professor of Eminence and Dean (Research), Sri Ramachandra University, Chennai

## **Annexure – 4**

### **Core-Company Identification-Format and Objectives**

#### **1. Objectives of the Activity:**

- To kindle the knowledge about the core companies and to encourage them to focus towards core companies
- To create awareness about the core companies and to identify the required skill sets.
- To provide motivation regarding placement.
- To attract the students and to enhance the interest in seeking jobs in core companies.

#### **2. Activity Description:**

- Placement Coordinators along with Department Heads can identify a potential student (Presenter) who has inclination in preparing a presentation about the core companies.
- Placement Coordinators will be the Mentor in initiating and providing a list of core companies.
- A presentation with links of Internships offered, skills required, and entry level opportunities has to be prepared by the presenter. Mentor can identify the possible required NPTEL, MOOC, GIAN Courses, hands on training and it can be suitably added in the presentation.
- With the knowledge of the Department Head, a video may be captured while the presenter (the identified student) is presenting the PPT.
- Submission of Video, Schedule of the Presentation, and Report of the Activity (duly signed) in the enclosed formats (two numbers) has to be submitted by the placement coordinator of each Department to IQAC on or before March 31st, 2017 without fail.

#### **3. Expected Outcomes of the Activity:**

- Platform to the students to identify their core companies – Dream, Reach and Safe

- Students have been given an opportunity to go through the list of core companies and orient them to analyze the entry level requirements of their dream company.
- Platform is provided to the mentor to identify and to enroll into an appropriate NPTEL, MOOC, GIAN Courses, Hand on Training to the students.
- Platform to improve the placement ratio in core companies.
- Enhancement of communicative skills.
- Awareness and identification on the required skill sets, courses, internships and opportunities.

#### **Format for Core-Company Identification**

<b>Sl. No</b>	<b>Name of the Department</b>	<b>Name of the Mentor/Placement Co-ordinator</b>	<b>Name of the Student</b>	<b>Core Company's Identified</b>	<b>Useful Websites</b>	<b>Relevant NPTEL Courses</b>

## Criterion I

### 1. Curricular Aspects

#### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph. D / M.Phil	5	-	-	-
PG	39	1	-	-
UG	20	11	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	7	15	-	45
Others	-	-	-	-
<b>Total</b>	<b>71</b>	<b>27</b>	<b>-</b>	<b>45</b>
Interdisciplinary	16	3	-	-
Innovative	-	-	-	-

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

##### (ii) Pattern of programmes:

Pattern	Number of Programmes
Semester	74
Trimester	NIL
Annual	2

1.3 Feedback from stakeholders\* Alumni

☒

Parents

☒

Employer

☒

Students

☒

**(On all aspects)**

Mode of feedback : Online

☒

Manual

☒

Co-operating schools (for PEI)

☐

**\*Please provide an analysis of the feedback in the Annexure → Refer Annexure 1.1**

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

- School of Computing has introduced a new course “Software Testing” to the final years students of 2014 batch. The teaching faculty has undergone a training given by “Infosys”.
- School of Mechanical introduced
  - A new lab session “Mechatronics Lab” to bring in the emerging technology to the students.
  - Industry Oriented paper namely “Product Design”.
  - Automobile and Aeronautical related core papers.
- Credit transfer of NPTEL online courses.
- Inplant Training has been made mandatory in the prefinal year for both UG and PG programmes.

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

**Centre:**

- Centre for III (Industry Institution Interaction)
  - School of Mechanical has set up a centre with Ashok Leyland.
  - School of Bio and Chemical has set up a “Medical Instrumentation Centre” with GE (General Electric) Health Care.
  - School of Medicine has set up a “Peripheral Health Centre” at Palavakkam to cater the needs of people in and around our adopted village.
  - School of Medicine also has set up a “Tobacco Cessation Clinic”.

## **Annexure 1.1**

### **Feedback Analysis**

#### **Website Links for the Feedback forms:**

- [http://www.sathyabamauniversity.ac.in/documents/IQAR/Alumni\\_Feedback\\_Form.pdf](http://www.sathyabamauniversity.ac.in/documents/IQAR/Alumni_Feedback_Form.pdf)
- [http://www.sathyabamauniversity.ac.in/documents/IQAR/Parent\\_Feedback\\_Form.pdf](http://www.sathyabamauniversity.ac.in/documents/IQAR/Parent_Feedback_Form.pdf)
- [http://www.sathyabamauniversity.ac.in/documents/IQAR/Students\\_Feedback\\_Form.pdf](http://www.sathyabamauniversity.ac.in/documents/IQAR/Students_Feedback_Form.pdf)

#### **Aluminis' Feedback:**

- Students can be trained on niche technologies to place them in high package companies.
- More alumni interaction program will help the students to be aware of Industrial happenings.

#### **Employers' Feedback:**

- Practical Applications of the concepts and dedicated practical sessions in emerging technologies are vital
- Skill based certification and relevant training for placement to be mandated atleast 2 semesters before the Campus Recruitment.
- Students should have strong fundamental knowledge in their core subjects.

#### **Mechanisms to collect Students' Feedback:**

- Format for Feedback from the students is enclosed.
- A schedule has been prepared by IQAC and it has been executed by the IQAC Internal Members.
- Students from various categories such as Average, Below Average and Above Average students are called for feedback from each Department.

- Feedback forms are scanned and analyzed using SPSS Software.

### Analysis of Students' Feedback:

- Every Staff Member will be graded by the student based on eleven criteria.
- For each staff member, the grades of eleven criteria will be averaged.
- Based on the grade, the staff members are categorized as below 1, between 1 – 2, between 2 – 3, between 3 – 4, list will be prepared, submitted to Governing Body for further action (**4 – Very Good, 3 – Good, 2 – Satisfactory, 1 – Needs Improvement**)

### STUDENT FEEDBACK

#### SAMPLE ANALYSIS - ONE STAFF MEMBER

Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Average
S1	3	4	3	4	3	4	3	3	3	4	3	3.36
S2	4	4	3	4	4	3	4	4	3	4	4	3.73
S3	3	2	3	2	3	2	4	3	2	3	3	2.73
S4	3	3	4	3	3	4	3	3	2	3	4	3.18
S5	3	3	4	3	3	4	3	3	4	3	2	3.18
S6	3	3	4	3	4	3	3	2	3	3	4	3.18
S7	4	3	4	3	4	3	3	4	3	4	3	3.45
S8	3	4	3	3	4	3	3	4	3	2	3	3.18
S9	3	4	3	3	4	3	3	4	3	4	3	3.36
S10	4	4	3	4	4	3	4	2	4	3	4	3.55
												3.29
	3.3	3.4	3.4	3.2	3.6	3.2	3.3	3.2	3	3.3	3.3	3.29

- S1, S2, ... → Students
- Q1, Q2, ... → Questions in the Format

## Feedback Format

<b>SATHYABAMA UNIVERSITY</b> <b>IQAC - STUDENT FEEDBACK FORM</b> <small>NOTE: Just shade the appropriate boxes with pencil (This is an OMR sheet: Will be electronically processed, quickly and accurately)</small>										Sheet number <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px auto;"></div>																																										
<b>PROGRAM MODE:</b> <b>FULL TIME</b> <input type="checkbox"/> <b>PART TIME</b> <input type="checkbox"/>																																																				
<b>PROGRAM:</b> <b>1</b> <input type="checkbox"/> <b>B.E/B.TECH</b> <b>2</b> <input type="checkbox"/> <b>M.E/M.Tech/M.Sc/M.Arch/M.A/M.Phil</b> <b>3</b> <input type="checkbox"/> <b>B.Arch</b> <b>4</b> <input type="checkbox"/> <b>MBA</b> <b>5</b> <input type="checkbox"/> <b>B.Com/B.Sc</b> <b>6</b> <input type="checkbox"/> <b>BDS</b>																																																				
<b>SEMESTER:</b> <b>1</b> <input type="checkbox"/> <b>2</b> <input type="checkbox"/> <b>3</b> <input type="checkbox"/> <b>4</b> <input type="checkbox"/> <b>5</b> <input type="checkbox"/> <b>6</b> <input type="checkbox"/> <b>7</b> <input type="checkbox"/> <b>8</b> <input type="checkbox"/> <b>9</b> <input type="checkbox"/> <b>10</b> <input type="checkbox"/>																																																				
<b>SECTION :</b> <b>A</b> <input type="checkbox"/> <b>B</b> <input type="checkbox"/> <b>C</b> <input type="checkbox"/> <b>D</b> <input type="checkbox"/> <b>E</b> <input type="checkbox"/> <b>F</b> <input type="checkbox"/> <b>G</b> <input type="checkbox"/> <b>H</b> <input type="checkbox"/> <b>I</b> <input type="checkbox"/> <b>J</b> <input type="checkbox"/> <b>K</b> <input type="checkbox"/> <b>L</b> <input type="checkbox"/> <b>M</b> <input type="checkbox"/> <b>N</b> <input type="checkbox"/> <b>O</b> <input type="checkbox"/> <b>P</b> <input type="checkbox"/> <b>Q</b> <input type="checkbox"/> <b>R</b> <input type="checkbox"/> <b>S</b> <input type="checkbox"/> <b>T</b> <input type="checkbox"/> <b>U</b> <input type="checkbox"/> <b>V</b> <input type="checkbox"/> <b>W</b> <input type="checkbox"/> <b>X</b> <input type="checkbox"/> <b>Y</b> <input type="checkbox"/> <b>Z</b> <input type="checkbox"/>																																																				
<b>UG BRANCHES</b>																																																				
ARCH	<input type="checkbox"/>	Chemical	<input type="checkbox"/>	E&I	<input type="checkbox"/>																																															
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Auto	<input type="checkbox"/>	CSE	<input type="checkbox"/>	Mech	<input type="checkbox"/>																																															
Bioinfo	<input type="checkbox"/>	ECE	<input type="checkbox"/>	M&P	<input type="checkbox"/>																																															
Biomed	<input type="checkbox"/>	EEE	<input type="checkbox"/>	Viscom	<input type="checkbox"/>																																															
Biotech	<input type="checkbox"/>	ETCE	<input type="checkbox"/>	B.com	<input type="checkbox"/>																																															
				OTHERS	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>																																															
<b>PG BRANCHES</b>																																																				
Applied electronics	<input type="checkbox"/>	Embedded	<input type="checkbox"/>	Maths	<input type="checkbox"/>																																															
Biotech	<input type="checkbox"/>	E&C	<input type="checkbox"/>	Medinstru	<input type="checkbox"/>																																															
Bioinfo	<input type="checkbox"/>	Environmental	<input type="checkbox"/>	NanoTech	<input type="checkbox"/>																																															
CAD	<input type="checkbox"/>	Embedded	<input type="checkbox"/>	Physics	<input type="checkbox"/>																																															
Chemistry	<input type="checkbox"/>	English	<input type="checkbox"/>	Power electronics	<input type="checkbox"/>																																															
CSE	<input type="checkbox"/>	MBA	<input type="checkbox"/>	Structural	<input type="checkbox"/>																																															
				VLSI Design	<input type="checkbox"/>																																															
				OTHERS	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">Facilities</th> <th style="width: 15%;">VERYGOOD</th> <th style="width: 15%;">GOOD</th> <th style="width: 15%;">SATISFACTORY</th> <th style="width: 15%;">NEEDS IMPROVEMENT</th> <th></th> </tr> </thead> <tbody> <tr> <td>Class room environment</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td rowspan="8" style="border: 1px solid black; width: 50px; height: 100px;"></td> </tr> <tr> <td>Lab Facilities</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Library Facility</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Computing Facility</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Transport facility</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Campus Cleanliness</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Mess Facility</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Response of administrative staff to general queries</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>						Facilities	VERYGOOD	GOOD	SATISFACTORY	NEEDS IMPROVEMENT		Class room environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Lab Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Library Facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Computing Facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Transport facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Campus Cleanliness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mess Facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Response of administrative staff to general queries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**\* Note:** 4-VERYGOOD 3-GOOD 2-SATISFACTORY 1-NEEDS IMPROVEMENT

A. Academic	Subject -1	Subject 2	Subject 3	Subject 4	Subject 5	Subject 6	Subject 7
Communication skill of the teacher	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Quality standard of your Course Curriculum and the syllabus	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Knowledge level of teachers in delivery of course	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Effectiveness of your teachers in delivery of course	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Interest shown by teachers towards students	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Does the teacher pay attention to Academically weak students	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Helpfulness of teachers to clarify your doubts-in & out of class	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Standard of Assignment -does it make you refer books & journal	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Effectiveness of your practical classes	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Encouragement given to seminars, projects, conferences	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Teacher was unbiased in evaluation process	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4

B. Campus placement	VERYGOOD	GOOD	SATISFACTORY	NEEDS IMPROVEMENT
Level of training for Aptitude Test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level of training for soft skill development	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Companies visiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placement cell coordination with students	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. General	VERYGOOD	GOOD	SATISFACTORY	NEEDS IMPROVEMENT
Ragging control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General discipline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gym/ Sports /other facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SUGGESTION FOR IMPROVEMENT :

## Criterion II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
775	503	150	122	--

2.2 No. of permanent faculty with Ph.D.

238
-----

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
-	-	-	-	-	-	20*	-	20	-

\* Teaching and Research Assistant (TRA) were recruited.

2.4 No. of Guest and Visiting faculty and Temporary faculty

26	7	20
----	---	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	138	208	117
Presented papers	203	100	0
Resource Persons	9	33	16

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

The faculty members adopts enhanced teaching methodology for effective delivery of course content through

- Use of smart board
- Research articles from journals
- IT enabled education system
- Case Study
- Quiz
- Open Discussion
- Online hunt
- Reverse Engineering

- Brown bag
- Seminars
- Slide Presentations (through LCD / OHP), Audio-Visual Aids, Lecture Videos, Simulations, Charts

Apart from these classroom activities, students are also encouraged to visit R&D centers that are equipped with state-of-the-art high end equipments which enables the learners to acquire a practical knowledge, based on their curriculum aspects.

Extended classroom learning and innovative teaching methods like

- Field trips
- Industrial visits
- In-service training
- Working at the Industrial units provides an experience of actual working environment.

Few other conducive methods are adopted by the staff members in inducing higher order thinking skills among students by prompting them with question-answer session at the end of lecture hour.

Remedial classes are conducted for weak students and slow learners outside the regular class hours or during the preparatory holidays. Weak students are also encouraged to meet the teachers in the department and to get counseling for their improvement.

The innovative methods help the students:

- In the practical application of subject knowledge
- Towards creating innovative ideas on the subject
- In depth analysis of the theoretical framework

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

220 Days
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2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book)

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

- Conduct of examinations during April/May for even semester and Nov/Dec for odd semester
- Tentative dates of examination dates are made available in the University Calendar.
- University examination dates are announced atleast a minimum of 50 days in advance.
- Question papers for all the courses (UG, PG and PhD) are obtained from external experts. Information about the question paper setters are kept confidential.
- Central Valuation System by external experts for all UG and PG courses.
- Provision for revaluation system.
- An Internal Examination Cell has been formed for conducting Internal Assessment Examinations.

- A novel model of answer booklet with digital number format.
  - Provision of dummy numbers in the answer scripts.
  - The Internal marks are announced to the students well in advance before the commencement of the end semester examination.
  - Software is exclusively maintained by the Controller of Examination Office for handling all types of exam related process (like maintaining student information, subject and regulation details, university results, issue of transcripts, provisional certificates, degree certificates etc.,).
  - For PhD, evaluation of thesis is done by Indian and Foreign Examiner.
  - Examination results are declared within 15 days of the commencement of succeeding semester. University results are updated in the website immediately so that student as well as parent can get the result without any further delay. SMS and letters are also sent to the parents after the declaration of revaluation results.
- University has embarked on a pilot project to conduct this year's exam for students using iPad and stylus.

2.9 No. of faculty members involved in curriculum Restructuring / revision / syllabus development as Member of Board of Study/Faculty/Curriculum Development workshop	121	48	182
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2.10 Average percentage of attendance of students	75%
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2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
UG	3195	21	711	1658	--	74.80
PG	288	18	168	90	--	95.83
M. Phil	9					
Ph. D	63	NA	NA	NA	NA	NA

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

- Awareness programs for GIAN, NPTEL online courses are conducted both for Staff Members and Students.
- Credit Transfer System for NPTEL online courses has been recommended for implementation.
- Our Staff Members are encouraged to act as Mentor for NPTEL online courses.
- IQAC recommended the Governing Body to appreciate the Toppers / Gold / Elite Category of NPTEL courses via fees waive off.

- Feedback from the stakeholders (students, alumni, industry experts and parents) are collected and appraised. Staff Members are intimated about their feedback for improvement.
- Internalization of the formats has been carried out by IQAC with regard to Audit, Innovative Teaching, skill matrix and feedback from the stakeholders.
- Academic Audit Scheduled and executed by the Deans of the respective Schools
- Conceptual level test is recommend to the Schools at the entry level to streamline the students
- Skill matrix is suggested to identify the potential of the students in their respective field of excellence based on the pre-set skills. Further, mentoring to be given to the betterment of their skills.
- Innovative Teaching methodology is emphasized and ensured among the teaching fraternity
- Remedial Measures were suggested for the slow learners as special classes during evening hours and preparatory holidays.

#### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	178
UGC – Faculty Improvement Programme	23
HRD programmes	67
Orientation programmes	149
Faculty exchange programme	NIL
Staff training conducted by the university	323
Staff training conducted by other institutions	383
Summer / Winter schools, Workshops, etc.	736
Others	NIL

#### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	1046	NIL	NIL	NIL
Technical Staff	169	NIL	NIL	NIL

## Criterion III

### 3. Research, Consultancy and Extension

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

- Research centres are recommended to conduct PG Courses. Two courses namely M. Tech (Bio Pharmaceutical Technology) and M. Tech (Remote Sensing & Geo Informatics) are implemented by the Research and Development Centre.
- Awards are given to Highly Cited and High Indexed publications of Staff Members.
- Recommended to have IPR (Intellectual Property Rights) Cell to improve the IPR Portfolio of our University.
- Appreciations are given to the Staff Members who are having Funded Projects.
- Workshops are arranged to the Staff Members in writing R&D Proposals. Resource Persons are invited from Central Universities.
- Full time Ph.D Scholars are recruited with the stipend of Rs. 15,000 per month for Engineering Graduates and Rs. 10,000 per month for Science Graduates.
- Students are involved in our Consultancy Projects.
- JRF students are provided with free Boarding and Lodging.
- Staff Members are encouraged to publish a research paper from the outcome of Final Year Students' Project.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	8	81	16	100
Outlay in Rs. Lakhs	92,72,400	22,86,56,813	5,21,64,580	35,19,50,086

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	7	3	13
Outlay in Rs. Lakhs	6,54,000	32,65,400	32,04,500	1,05,25,000

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	832	37	1
Non-Peer Review Journals	87	36	1
e-Journals	267	0	0
Conference proceedings	391	188	3

### 3.5 Details on Impact factor of publications:

IF Range	0 – 8.262	Average CI Range	1 - 90	h-index	42	Nos. in SCOPUS	974
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### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	--	SERB-DST, LPSC, DST, UGC-DAE, VSSC, CVRDE, MoES, MoEF, NAM S & T, DBT, MHRD, DBT, DST-SERB-YSS, DST-SERB-ECR, DLJ, DRDO, ISRO Respond, HRDG, CSIR, WTI DST	5,12,86,080	2,96,04,873
Minor Projects	--	ISRO Respond, CRDE – DRDO, DST-WOS, NRDMS DST, NCSTC DST	38,87,400	12,17,400
Interdisciplinary Projects	--	--	--	--
Industry sponsored		Saint Gobain	2,30,000	2,00,000
Projects sponsored by the University / College	--			
Students research projects (other than compulsory)	--			

<i>by the University)</i>				
Any other (Specify)	--	ICMR, CSIR	80,000	80,000
Total	--		5,54,83,480	3,11,02,273

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

ii) Without ISBN No.

3.7 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.8 For colleges

Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.9 Revenue generated through consultancy

3.10 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	6	20	3	--	--
Sponsoring Agencies	INSA, DRDO	ICMR, CSIR, DBT, ISRO, DST-SERB, MoES			

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

3.12 No. of collaborations International  National  Any other

3.13 No. of linkages created during this year



3.14 Total budget for research for current year in lakhs :

From funding agency	559 Lakhs
From Management of University/College	67.37 Lakhs
Total	626.37 Lakhs

3.15 No. of patents received this year

Type of Patent		Number
National	Applied	65
	Granted	0
International	Applied	33
	Granted	0
Commercialised	Applied	0
	Granted	0

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

Total	International	National	State	University	Dist	College
31	10	12	2	7	0	0

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

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

3.19 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)  
JRF  SRF  Project Fellows  Any other

3.20 No. of students Participated in NSS events:

University level  State level   
National level  International level

3.21 No. of students participated in NCC events: 150

University level  State level   
National level  International level

3.22 No. of Awards won in NSS: 1

University level  State level

National level  International level

3.23 No. of Awards won in NCC: 12

University level  State level

National level  International level

3.24 No. of Extension activities organized

University forum  College forum

NCC  NSS  Any other

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

- **June 21<sup>st</sup> 2016 International Yoga Day**
- **July 16<sup>th</sup> Tree Plantation**
- **July 27<sup>th</sup> 2016 Blood Donation**
- **August 15<sup>th</sup> 2016 Tree Plantation**
- **September 8<sup>th</sup> 2016 NSS Certificate Ceremony**
- **October 21<sup>st</sup> 2016 Disaster Management**
- **November 6<sup>th</sup> 2016 Tree Plantation**
- **February 2<sup>nd</sup> Tree Plantation**
- **February 10<sup>th</sup> 2017 to February 16<sup>th</sup> 2017 – Special Camp**
- **March 23<sup>rd</sup> 2017 Food Wastage**
- **April 2<sup>nd</sup> 2017 to April 4<sup>th</sup> 2017 – Polio Vaccine**
- **June 5<sup>th</sup> 2017 World Environment Day**
- **Swachh Bharath Campaign – Every Week:**
  - 150 students participated in Swachh Bharat. National cleaning campaign under the title “SWACHH BHARATH CAMPAIGN” is being conducted in university campus to keep our environment clean. The NCC Air Wing cadets of Sathyabama University are more involved in the cleaning process every week.

## Criterion IV

### 4. Infrastructure and Learning Resources

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

Facilities	Existing	Newly created	Source of Fund	Total
Laboratories	119	4	Funds from sponsoring trust	123
Boys Hostel	6	1		7
PG Mess Hall	Ground floor, I & II floor	--		G+ 2 floors
No. of important equipments purchased ( $\geq 10$ lakhs) during the current year.	330	8	Funds from sponsoring trust (417 Lakhs) & Sponsoring Agencies (1853 lakhs)	338
Value of the equipment purchased during the year (Rs. in Lakhs)	2151	104		2255

#### 4.2 Computerization of administration and library

- The library has exclusive reading, reference sections in additions to the Digital Library with N-computing 120 systems. Dedicated 400 systems are allotted for Administration

#### 4.3 Libray services:

	Total	
	No.	Value
Text Books	10000	5000000.00
Reference Books	1550	
Print Journals	200	400000 .00
e-Resources		5915444.00
IEEE Journals	- 250	
IEEE Proceedings	- 2676	
Elsevier Journals	- 616	
Springer Link Journals	- 1721	
ASCE Journals	- 36	
ASME Journals	- 29	

ACM Digital Library	1140		
CD & Video		2685	
Back volumes		2074	
<u>FREE ONLINE E-RESOURCES</u>			
• E-JOURNALS	- 62591		
• E-DATABASES	- 65		
• E-BOOKS	- 695		
• E-LEARNING COURSES-	156		
• E-THESIS	- 251		
NPTEL (NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING) VIDEO & WEB CONTENT – ENABLES E-LEARNING THROUGH ONLINE IN THE DOMAINS OF ENGINEERING, TECHNOLOGY, SCIENCE AND HUMANITIES			
PREVIOUS YEAR QUESTION PAPERS AVAILABLE FROM 2010 ONWARDS			
NEWS PAPERS BACK ISSUE AVAILABLE FROM 2007 ONWARDS IN PRINT VERSION			
JOURNALS AND BACK VOLUMES BACK ISSUES AVAILABLE FROM 2010 ONWARDS IN PRINT VERSION			

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	3000	27	--	--	--	--	--	--
Added								
Total								

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

- Training for effective browsing and searching for the benefit of the students.
- How to do literature survey for the research scholars and students.

4.6 Amount spent on maintenance in lakhs :

i) ICT	1.75 CRORES
ii) Campus Infrastructure and facilities	2.40 CRORES
iii) Equipments	3.20 CRORES
iv) Others	8.10 CRORES
<b>Total :</b>	15.45CRORES

## Criterion V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Visually Impaired and Acid Victim Students are given Free Admission.
- Girl Candidates admitted into PG Courses are given special fee waiver of Rs.10,000.
- Award of Scholarship for Academic Excellence – **Remibai Jeppiaar Scholarship** – <http://files.sathyabamauniversity.ac.in/news/scholarship.pdf>
- **Centre for Academic Partnership** – Student Exchange Program – Inbound Mobility and Outbound Mobility – <http://www.sathyabamauniversity.ac.in/sitepagetwo.php?firstref=237>
- Online submission of Students Grievances is available in our university via **Students' Grievances Redressal Cell (SGRC)** – <http://www.sathyabamauniversity.ac.in/sgrc.php>
- To cater, to motivate and to provide a platform to showcase their individual talents thereby contributing to the society, our university has a full pledged **Student Development Cell** the comprises of 15 unique clubs – <http://www.sathyabamauniversity.ac.in/sitepagethree.php?mainref=34>
- **Placement Cell** is vibrant in conducting Career Development Programs, Value Added Skill Development Programs, Online Assessments, etc. – <http://www.sathyabamauniversity.ac.in/sitepagethree.php?mainref=0&firstref=36&secondref=0>
- **Advisory Bureau for Higher Studies** is functioning to inculcate the habit of delightful reading among the intermittent readers and also to satisfy the thirst of voracious readers in the campus besides continuously guiding students in various fronts of their development. – <http://www.sathyabamauniversity.ac.in/sitepagethree.php?mainref=0&firstref=127&secondref=0>

- “Respect your Seniors! Help your Juniors!!” – For the healthy and congenial academic environment for the students, **Anti Ragging Cell (ARC)** is functioning in our university – <http://www.sathyabamauniversity.ac.in/arc/index.html>
- Our University has constituted the **Anti-Discrimination Cell (ADC)** to look after the related matters (if any) of depriving a student / staff or group of students on the basis of caste, creed, language, ethnicity, gender, different ability.
- **Students Welfare Schemes** like sponsorship for Students Projects, sponsorship for International and National Conferences at home and abroad, works shops, Meets, Symposiums etc are always given to the students. Apart from these the University also provides needy students with study and sports material, payment of examination, tuition fees and organizes medical aid to students scholarship for sports students, scholarship for meritorious students and financial assistance for in house projects.
- **Health centre, health insurance etc.** – Our university has state of art gymnasium for girls and boys separately which can be utilized for free of cost. Yoga classes are conducted regularly. In house medical facility is available for 24 hours inside the university campus. All the students of the university are covered under accidental insurance for a maximum of rupees one lakh.
- **Techno Vision Projects** – Best three final year projects from each school will be selected and awarded.

## 5.2 Efforts made by the institution for tracking the progression

- Student information system gives the instantaneous access to all the academic details, performance in examination and demographic information.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
13,295	604	87	11

(b) No. of students outside the state

7611

(c) No. of international students

15

Men	No	%	Women	No	%
	9641	70		4137	30

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
6484	482	78	6922	45	14074	10911	50	440	2377	-	13778

Demand Ratio : PG - 1:1, Engg.: - 1:85, Arch.-1:1 Arts- 1:3

Dropout : 0.0005%

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

- GRE, TOEFL and IELTS coaching is provided to the students by Score getter, India – every academic year

#### List of seminars conducted during the academic year 2016-2017:

Sl. No	Course / Seminar	Duration	Fees	Resource Person
1	GRE	2 hours	NIL	Mr. Prabhu
2	GRE	2 hours	NIL	Mr. Prabhu
3	GATE	2 hours	NIL	Mr. Janarthanan
4	GATE	2 hours	NIL	Mr. Janarthanan
5	CAT	2 hours	NIL	Ms. Shilpa
6	CAT	2 hours	NIL	Ms. Shilpa



Sl. No.	Date	Branches	Trainer	Module
1	28.7.2016 FN	All Branches	Mr. Gopinath	For 2 <sup>nd</sup> year
2	28.7.2016 FN	All Branches	Mr. Gopinath	For 3 <sup>rd</sup> year
3	3.8.2016 FN	All Branches	Mr. Balamurugan	For 2 <sup>nd</sup> year
4	3.8.2016 AN	All Branches	Mr. Balamurugan	For 3 <sup>rd</sup> year
5	2.9.2016 FN	All Branches	Ms. Shilpa	For 2 <sup>nd</sup> year
6	2.9.2016 AN	All Branches	Ms. Shilpa	For 3 <sup>rd</sup> year

No. of students beneficiaries

500

#### 5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT  GMAT

IAS/IPS etc  State PSC  UPSC  Others

#### 5.6 Details of student counselling and career guidance

- Career guidance and student counseling is done during seminars and higher studies abroad education fair held every year in the campus.
- A career guidance cell or placement cell is very active in catering to the career needs of the students apart from the Advisory Bureau of Higher studies, which consistently conducts programs related to higher education opportunities and career advancements.

No. of students benefitted

200

## 5.7 Details of campus placement

On Campus		Off Campus	
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
170	1812	1636	48

## 5.8 Details of gender sensitization programmes

- Two programs were conducted through Women Empowerment Bureau for the welfare of women and in neutralizing the gender sensitivity in the campus.

## 5.9 Students Activities

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

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

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

**Sports:** State/ University level  National level  International level

**Cultural:** State/ University level  National level  International level

## 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	635	97150000
Financial support from government	-	-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	20	-



### 5.11 Student organised / initiatives

<b>Fairs:</b> State/ University level	23	National level	10	International level	--
<b>Exhibition:</b> State/ University level	36	National level	02	International level	--

### 5.12 No. of social initiatives undertaken by the students

20

### 5.13 Major grievances of students (if any) redressed:

- The university has a very effective and transparent grievance redressal system (both manual and web based) where students are free to present their grievances. The University' Grievances Redressal Cell comprises of Directors, Vice Chancellor, Registrar, Heads of various Departments, and Senior Faculty Members. The grievances of the students are received and addressed immediately by taking up necessary action. The number of the grievances addressed in the last year is roughly around 10-15.

## Criterion VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

**Vision:**

An effective and competent source of technical manpower for the current and future industrial requirements.

**Mission:**

To educate and mould students towards employability by providing opportunities for the young engineers to become the future technical personnel of International caliber.

#### 6.2 Does the Institution has a management Information System

Yes.

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

##### 6.3.1 Curriculum Development

Excellence for students in regular curriculum is achieved through regular conduction of mid semester examinations, assignments and student seminars. Students participating in various national and international level competitions and winning laurels to university in various technical, co curricular and extracurricular competitions are the witness to the quality achievement.

##### 6.3.2 Teaching and Learning

Improved Teaching aids are given and the staff members are motivated to make the best use of them. Assignments and re tests are conducted to improve the performance in assessment examinations.

### 6.3.3 Examination and Evaluation

Centralised internal exam cell is functioning in the University to achieve uniform and fair evaluation of students without bias. Each subject is allotted a subject coordinator, who is the senior faculty member, who provides, suggestions, and scheme of subject teaching to all the staff handling that subject in that semester.

### 6.3.4 Research and Development

The “International Research Centre (IRC) and “Research and Development Centre (RDC)” are the platforms of global competence in terms of infrastructure and research activity. Apart from these two various research centres are serving as the knowledge base and experimental forum for the academicians and researchers.

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

Smart class rooms with writing board, Multimedia projector, public address system and display unit are used apart from regular class room to make the knowledge transfer effective. More computers are installed in the digital library. Wi-fi connectivity across many places inside the campus, broadband internet and intranet connectivity, intercoms and landlines have improved the communication systems

### 6.3.6 Human Resource Management

Novel strategies have been implemented in use of staff, student and alumni being conscious to maintain a healthy ratio of teaching experts from staff community as well as from alumni and industry personnel.

#### 6.3.7 Faculty and Staff recruitment

Advertisements in major news papers (English and local).  
Based on the merit new recruitments are made.

#### 6.3.8 Industry Interaction / Collaboration

Great importance has been placed on meeting the requirements of the standards of the industry. Regular interaction meetings have been held between industry partners to assess and maintain strictest standards

#### 6.3.9 Admission of Students

Admission through Entrance Examination conducted at All India level.

#### 6.4 Welfare Schemes for

Teaching / Non teaching	<ul style="list-style-type: none"><li>• The children of the staff member who scores highest percentage in X and XII board exams are appreciated with a cash award of Rs.10,000</li><li>• Waiver of 50% of tuition fee for the children of staff member who has served the institute more than 10 yrs</li><li>• A sum of Rs.1,00,000 provided to the family of the staff, in case of death of the staff.</li><li>• A full time crèche functions inside the campus, to take care of the children of staff.</li><li>• Summer camps &amp; science exhibitions are conducted for children of staff members.</li><li>• Maternity leave of 3 months are given to lady staff with salary.</li></ul>
Students	<ul style="list-style-type: none"><li>• 10% - 30% waiver on tuition fee for the students ranking top 3 in university examinations from each batch in every department.</li><li>• Free medical check-up / treatment</li></ul>

	<ul style="list-style-type: none"> <li>Financial assistant to attend international conference / Seminars / Workshops</li> <li>Top 25 rank students are given full tuition fee waiver in entrance examination</li> </ul>
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6.5 Total corpus fund generated Rs. 5 Crores

6.6 Whether annual financial audit has been done      Yes      No  
√     

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic			Yes	Academic Council
Administrative			Yes	Board of management

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

For UG Programmes	Yes	<span style="border: 1px solid black; padding: 2px 5px;">√</span>	No	<span style="border: 1px solid black; display: inline-block; width: 40px; height: 30px; vertical-align: middle;"></span>
For PG Programmes	Yes	<span style="border: 1px solid black; padding: 2px 5px;">√</span>	No	<span style="border: 1px solid black; display: inline-block; width: 40px; height: 30px; vertical-align: middle;"></span>

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

Setting of Question paper and valuation are by external experts  
Introduction of referral valuation

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



Not Applicable

#### 6.11 Activities and support from the Alumni Association

- Every year alumni is being conducted.
- Alumni association extends its support at various activities.
- Particularly they support more on placement activities. They visit campus to conduct mock interview for students and guide them to meet the expectation of the industries.

#### 6.12 Activities and support from the Parent – Teacher Association

- Parents meet regularly the respective departments.
- The suggestions that are specified by the parents are forwarded to the management for further course of action.

#### 6.13 Development programmes for support staff

The teaching and non teaching staff members are developed through Faculty development programmes and specialised training courses. They are encouraged to pursue their education through part time courses offered by the University.

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

- Cooking in the mess halls and hostels are done through solar energy.
- Water harvesting is done in different parts of the University and sent to a large tank, where it undergoes reverse osmosis process of water purification and is used for laboratory usage.
- Only the University buses are allowed inside the campus, which is the only mass transit system. No private vehicles of staff or students are allowed inside the campus
- Our University has a dedicated centre for waste management, which develops novel techniques to manage and dispose waste effectively. Bio gas plants are set up to productively to recycle the organic waste matter
- E wastes like computers and its accessories, electrical cables are dispersed through buy back schemes.

## Criterion VII

### 7. Innovations and Best Practices

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

- A scheme of “Earn while you Learn” launched by our University recently, has created a positive impact on the students of our University. Students are encouraged to take up part time jobs in the Maintenance cell,
- All the mess workers reach us to serve food with an apron printed- “Don’t waste food” which has reduced the wastage of food in recent days.
- ‘Paperless’ concept has been initiated.
- ‘Payment Gateway’ has been introduced to the students to pay their course and hostel fees online.

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

- Online Concept Level Test was executed to identify the slow and advanced learners in each School at the entry level.
- Slow learners were induced to join Bridge Course and advanced learners were encouraged to join Certificate Courses.
- Online Digital Class Rooms for submission of Assignments are encouraged.
- Conduct of personality development classes from second year has been initiated.
- Number of peer reviewed publications has been increased. More number of R&D projects has been sanctioned.
- Incentives for publications in high impact factor journals and in highly cited journals at monthly intervals. Green measures at each School, admission to acid victims, disabled students, etc

- Number of skill development courses, certificate courses viz., laptop servicing, organic farming, digital marketing, photography, etc.
- University Open electives with interdisciplinary topics are introduced in the new 2015 regulation.
- Parents are intimated with their wards progress on daily basis.

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

- Online Student Information system and Attendance Tracking system
- TECHNOVATION – The best Project Selection
- Lab-Stock entry, hostel – online entry, auditorium booking system

***\*Provide the details in annexure (annexure need to be numbered as i, ii,iii)***

7.4 Contribution to environmental awareness / protection

- Eco club which is a part of Student Development Cell is doing various activities toward environmental awareness / protection.
- Within the campus, Trans car facility is encouraged.
- More number of trees have been planted and taken care by NSS/CDC/SDC students.

7.5 Whether environmental audit was conducted?

Yes

No

√

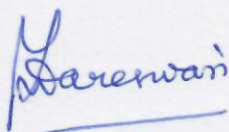
7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- 1 Highly motivated and committed faculty members with young talented students; this team made our Founder Chancellors' dream "Sathyabama Nanosat" to come true and it has been launched successfully with the support of prestigious R&D agency ISRO, Government of India.
- 2 Huge resources for research; more than ten R&D centres with the state-of-the-art facility within the campus, Funding from major Government agencies.
- 3 Students are trained to excel in academics, R&D, co-curricular, extracurricular, placement and societal activities.
- 4 A lot of opportunity to do research in energy, rocket science, drug, nano, etc.
- 5 Increasing students' strength.
- 6 To achieve 100% placement in all the branches of study.

## 8. Plans of institution for next year

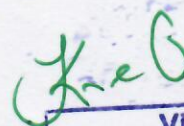
- Introducing new programmes under Agricultural Sciences, Law, Pharmacy and Arts
- Enhancing the status of school of Business Administration to Sathyabama International B- School.
- Upgrading University Quality Management Standards ISO 9001:2008 to ISO 9001:2015 More research collaborations with internationally renowned Universities.
- To prepare students who are more employable and become entrepreneurs by establishing Centres of Excellence in collaboration with leading corporate
- To prepare ourselves to be eligible for UGC 12-B status
- To achieve QS-international Ranking
- To prepare for ABET accreditation

**Name: (Dr. M. Sundareswari)**



**Signature of IQAC Co-ordinator**

**Name: (Prof. Dr. K. V. Narayanan)**



**Signature of Chair Person, IQAC**

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