SARASWATHI NARAYANAN COLLEGE

(Autonomous Institution Affiliated to Madurai Kamaraj University)
(Accredited with B+ by NAAC)
Perungudi, Madurai – 625 022

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

Data of the Institution

(data may be captured from IIQA)

1.	Name of the Institution:	Saraswathi Narayanan College
	• Name of the Head of the Institution:	Dr. M. Kannan
	• Designation:	Principal
	• Does the institution function from its own campus?	Yes
	• Phone No. of the Principal:	0452 - 2690635
	• Alternate Phone No:	099427 12261
	• Mobile No. (Principal):	099945 23929
	• Registered E-mail ID (Principal):	m_kannan09@rediffmail.com
	• Address:	Perungudi
	• City/Town:	Madurai
	• State/UT:	Tamil Nadu
	• Pin Code:	625 022
2.	Institutional Status:	
	• Autonomous Status (*provide the date of conferment of Autonomy*):	22.05.2007
	• Type of Institution:	Co-education
	• Location	Rural
	• Financial Status: Grant-in aid / UGC 2f and 12 (B) / Self-financing (please specify)	UGC 2f and 12 (B)
	• Name of the IQAC Co-ordinator:	Dr. M. Jeyakumar
	• Phone No:	98655 35083
	• Mobile No:	70943 73422
	• IQAC e-mail address	snciqac1966@gmail.com
	• Alternate Email address	snciqacdata@gmail.com
3.	Website Address:	http://www.sncollegemadurai.org
	• Weblink of the AQAR (previous academic year):	NA

4.	Was the Academic Calendar prepared for that year?				Yes		
	• If yes, whether it is uploaded in the Institutional Website?				Yes		
	• Weblink				https://drive.google.com/file/d/1SbGcrw0_jgq8njCC5cH8zcQCLW2lOaes/view?usp=share_link		
5.	Accreditation Details:						
	Cycle	Grade	CGPA	Year of Accreditation		Validity Period	
	1st	B+	76	2005		20.05.2005	19.05.2010
	2nd	B	2.78	2016		17.03.2016	16.03.2021
6.	Date of Establishment of IQAC:			October 01, 2010			
7.	Internal Quality Assurance System						
7.1	Quality initiatives by IQAC during the year for promoting quality culture						

Sl.No.	Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/ beneficiaries
a.	IQAC Meeting	22.06.2015	12
b.	Uniqueness of being Women as well as Challenges Faced by them in Contemporary Society	02.07.2015	55
c.	Faculty Development Program on Teaching Beyond Text.	15.09.2015	51
d.	Tips for Competitive Examinations	07.09.2015	62
e.	Research Centre in Chemistry inaugurated	01.10.2015	50
f.	Lecture on Mathematics for Competitive Examinations	13.10.2015	72
g.	Mushroom Spawn Unit for Public use inaugurated	27.10.2015	52
h.	IQAC Meeting	04.12.2015	11
i.	Awareness program on detrimental effects of Narcotics and Psychotropic substances.	28.01.2016	105
j.	A one-day workshop on Research Methodology for part time M.Phil. scholars.	30.01.2016	74
k.	Orientation Programme on Personality Development for Non-Teaching Staff	03.02.2016 (Morning Session)	29
l.	Orientation Programme on Soft Skill Development for Non-Teaching Staff	03.02.2016 (Afternoon Session)	29
m.	News Bulletin for the academic year 2014-15 released by IQAC	29.02.2016	77

n.	NAAC visit	03.03.2016 to 05.03.2016	All Staff Members
o.	Special Lecture on Strengthening Self Confidence among Girl Students	08.03.2016	52

8.	Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?				
	Institution/ Department/Faculty	Scheme	Funding Agency	Year of Award with Duration	Amount Sanctioned
	Nil	Nil	Nil	Nil	Nil

9.	Whether composition of IQAC as per latest NAAC guidelines: Yes	
	*upload latest notification of formation of IQAC	
	View File	
10.	No. of IQAC meetings held during the year:	2
	The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website…….	Yes Minutes of IQAC Meeting 1 Minutes of IQAC Meeting 2
11.	Whether IQAC received funding from any funding agency to support its activities during the year?	No
12.	Significant contributions made by IQAC during the current year	

Under item 12:

> ➢ Self-Study Report (SSR) prepared for NAAC Reaccreditation and submitted on 31.07.2015. IQAC News bulletin for the year 2014 -15 released on 29.02.2016.

> ➢ Proposal for DST–FIST fund to strengthen teaching and research facilities prepared by science departments sent on 21.05.2016.

> ➢ M.Sc., Physics Programme under Self-Financing Stream introduced.

> ➢ M.Phil. (Part-Time) Programmes in English, Mathematics, and Chemistry introduced.

> ➢ Books of Syllabi for all UG and PG programs prepared and issued to all the first year UG and PG students and College Hand book (Academic Calendar) for the academic year 2015 -16 prepared and issued to all the students on the date of reopening. College Magazine for the academic year 2014-15 prepared and issued to all the students on the date of reopening (18.06.2015). Parents – Teachers meeting conducted departmentally.

13.	Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:	
	Plan of Action	Achievements/Outcomes
a.	To Promote research climate	i. Research Centre in Chemistry inaugurated on 01.10.2015. ii. Workshop on Research Methodology for Part-Time M.Phil. Scholars organised on 30.01.2016 iii. Two teachers have been approved as Ph.D research supervisors in this academic year.
b.	To Organize Capacity Enhancement Programmes	i. Programme on Honing the Creative Writing Skills illustrating poet Kannadasan organized on 21.06.2015. ii. Managerial Concepts in Thirukkural organised on 31.07.2015. iii. SNC Rotaract club for students to develop life skills established on 11.08.2015. iv. Life Values in Thirukkural organised on 22.09.2015.
c.	To Enhance Teaching skills	Faculty Development Program on Teaching Beyond Text organized on 15.09.2015.
d.	To continue Mentoring system	UG and PG Freshers were divided and allotted to teacher-mentors on 22.06.2015 and 03.07.2015 respectively
e.	To effect Gender sensitization	Legal Awareness Programme for Girl Students organised on 08.03.2016.
f.	To provide Career guidance	i. Tips for competitive examination organised on 07.09.2015 ii. Lecture on Mathematics for Competitive Examinations organised on 13.10.2015.
g.	To tone up quality of Teaching-Learning	i. Use of blended method of teaching including student projects, students interaction, students presentation in addition to the traditional lecture mode. ii. Continuous assessment and

		evaluation of student performance.
h.	To ensure inclusiveness in higher education	i. Strict adherence to the Government reservation policy and university guidelines in the enrollment of students. ii. Enrollment of girl students in all the programmes offered by the college. iii.Enrollment of socially and financially oppressed students, mostly of first generation graduates.
i.	To enrich Academic activities	i. Add-on Diploma and Certificate courses offered. ii. Seminars, workshops and invited lectures organized. Educational tours undertaken.
j.	To deliver curriculum	i. Academic calendar prepared annually and issued to students on the date of reopening. ii. Books of syllabi for all UG and PG programmes prepared and issued to students on the date of reopening. iii.Teaching schedules and time tables prepared and issued to students well in advance.
k.	To enhance Soft skills of Non-Teaching Staff.	Training Programme on Personality and Soft Skill Development for Non-Teaching Staff organised on 03.02.2016.
l.	To effect Institutional Social responsibility	i. Blood Donation camp organized on 17.07.2015 ii. Mushroom spawn unit for public use inaugurated on 27.10.2015
m.	To constitute committees for quality enhancement	Committees under the convenorship of senior teachers constituted to tone up qualities in the different aspects of the seven criteria of NAAC assessment.
n.	To encourage students to participate in sports events	Students were motivated to take part in sports and brought laurels to the institution
o.	To organize parent teachers meeting	Parents-Teachers Meeting organized departmentally. Parents were informed of wards' attendance, performance in examinations and general discipline. Feedback obtained from the parents

			and used for quality sustenance.
p.		To enroll students in CGT and DGT courses	Twenty students in CGT and forty five students in DGT courses enrolled.
q.		To organize institution sponsored seminars	Ten institution sponsored seminars organized
14.		Whether theAQAR placed before the statutory body?	Yes
		Name of the statutory body:	College Management Committee
		Date of meeting(s):	27.01.2023
15.		Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?	NAAC Peer Team visited IQAC
		Date	04.03.2016
16.		Whether institutional data submitted to AISHE?	Yes
		Year:	2015 - 2016
		Date of Submission:	26.02.2016
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)	Official website provides detailed information about the institution to all its stakeholders. Students' performance in the Summative Examinations is recorded in Computer system and uploaded on the institution's website within period of 10 days from the last date of the examinations. The website is periodically updated. A FoxPro based Computerised Catalogue for the Library books is available. Staff salary is claimed using FoxPro based E-Payroll in softcopy. Every day attendance of Teaching and Non-Teaching staff is recorded, which enables the administration to prepare payroll of the employees. MIS takes care of Examination activities in the form of collection of CIA marks, appointments of examiners and declaration of results using CGPA system. The IQAC cell collects information from the Heads of Departments in the areas of

		academic programs, teachers and students' achievements and research activities along with documentary evidence including photographs. Statistics relating to the students is maintained through AISHE. Most of the official records are maintained in Excel Format.

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**	**Course Code**	**Course**	**Dates of Revision**
B.A	UREN	English	BUENAT21	History of English Literature	10.07.2015
B.Sc	URBY	Botany	BUBYSB22	Microbial Technology	10.07.2015
B.Com	URCR	Commerce	BUCOAT41	Business Mathematics	10.07.2015
B.Com	URCR	Commerce	BUCOCT62	Business Law	10.07.2015
B.Com	URCR	Commerce	BUCOCT63	Income Tax Law and Practice- II	10.07.2015
M.A	PGEN	English	BPENME11	Literature & Sociology	10.07.2015
M.A	PGEC	Economics	BPECCT23	Developmental Economics	10.07.2015
B.A	USEN	English	BUENAT21	History of English Literature	10.07.2015
B.A	USEC	Economics	BUECNM11	General Economics	10.07.2015
B.A	USEC	Economics	BUECCT21	Micro Economics	10.07.2015
B.A	USEC	Economics	BUECNM21	Economics for Competitive Examinations	10.07.2015
B.A	USEC	Economics	BUECCT55	Basics Econometrics Computer Applications	10.07.2015

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1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Program	Specialisation	Date of Introduction	Course Title	Course Code	Date of Introduction
B.A (Aided) - URHS	History	03.07.1968	Geographical Perspectives of Indian Tourism - Employability	BUHSSB63	18.06.2015
B.A (Aided) - URHS	History	03.07.1968	Archives Keeping - Skill Development	BUHSSB31	18.06.2015
B.A (Aided) - URHS	History	03.07.1968	Media and Communication - Skill Development	BUHSSB61	18.06.2015
B.A (Aided) - URHS	History	03.07.1968	Museology - Skill Development	BUHSSB51	18.06.2015
B.A (Aided) - URHS	History	03.07.1968	Elements of Tourism - Employability	BUHSCT53	18.06.2015
B.A (Aided) - UREN	English	19.06.1968	Business English writing - Employability	BUENSB42	18.06.2015
B.A (Aided) - UREN	English	19.06.1968	Journalism and Mass Communication- Employability	BUENME51	18.06.2015

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1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme	Courses	Course Code	Programme Specialization	Dates of Introduction
B.Sc.	Pure Geometry	CUMSSB22	Mathematics	18.06.2015
B.Sc.	Numerical Methods -	BUMSME61	Mathematics (Allied Course)	18.06.2015
B.Sc.	Project Work/Dissertation			18.06.2015
B.Sc.	Biochemistry and Bioinstrumentation (Theory and Practical)	BUBYSB22	Botany	18.06.2015
B.Sc.	Computer application in	BPCHML21	Chemistry	18.06.2015

	chemistry Practical			
B. Com	Logistic Management	BUCOCT61	Commerce	18.06.2015
B. Com	Industrial Law	BUCOCT62	Commerce	18.06.2015
B. Com	Principles of Life Insurance	BUCOSB64	Commerce	18.06.2015
M.A	Creative Writing in English	BPENAC31	English	18.06.2015
M.A	Comparative Economic Systems	BPECAC31	Economics	18.06.2015

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1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
B.A (Aided)	History	18.06.2015
B.A (Aided)	English	18.06.2015
B.Sc. (Aided)	Mathematics	18.06.2015
B.Sc. (Aided)	Physics	18.06.2015
B.Sc. (Aided)	Chemistry	18.06.2015
B.Sc. (Aided)	Botany	18.06.2015
B. Com (Aided)	Commerce	18.06.2015
M.A (Aided)	English	18.06.2015
M.A (Aided)	Economics	18.06.2015
M.Sc. (Aided)	Mathematics	18.06.2015
M.Sc. (Aided)	Chemistry	18.06.2015

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1.3 Curriculum Enrichment

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

Name of the value-added courses(with 30 or more contact hours) offered	Date of Introduction	Number of students Enrolled	Number of students who completed the course during the year
Functional English	18.06.2015	111	83
Numismatics	18.06.2015	84	78
Modern Banking Techniques	18.06.2015	101	99
Customer Service & Banking Codes and Standards	18.06.2015	24	23
Economics of E-learning	18.06.2015	7	5
Internet and E-Business	18.06.2015	10	7
Number Theory	18.06.2015	69	68
Designing Electronic Circuit	18.06.2015	50	50
House Needs Preparation	18.06.2015	43	43
Food Processing	18.06.2015	49	49

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1.3.2 Field Projects / Internships under taken during the year

Programme Title	Programme Specialization	No. of students enrolled for Field Projects	From	To
Field trip at Ooty visiting Mudumalai Forest, Bandipur Wild Life Sanctuary and Botanical Garden.	B.Sc Botany M.Sc Botany	B.Sc Botany: 43 M.Sc Botany: 8	27.07.2015	29.07.2015

List of students undertaking field projects

Programme Name	Programme Code	Reg.No. & Name of the Student	Project Title
B.Sc. (CS)	USCS	13USCS01 - Alagarsamy, K.	Consumer Complaint Management System
B.Sc. (CS)	USCS	13USCS03 - Chinna Alagumalai, C.	Task Monitoring System
B.Sc. (CS)	USCS	13USCS04 - Dinesh, K.	Job Providers Portal
B.Sc. (CS)	USCS	13USCS06 - Krishna kumar, T.S.	Corporate Training
B.Sc. (CS)	USCS	13USCS07 - Lingeswaran, K.	Smart Pedia

B.Sc. (CS)	USCS	13USCS11 - Narendhiran, Y.	Advanced Vachile and Highway system
B.Sc. (CS)	USCS	13USCS12 - Prabhu, G.	Performance Appraisal System
B.Sc. (CS)	USCS	13USCS14 - Rajkumar, S.	Performance with Smart Card Technology
B.Sc. (CS)	USCS	13USCS15 - Ramasamy, D.	Architecting a Secure Enterprise Data Sharing
B.Sc. (CS)	USCS	13USCS17 - Siva, K.	Rental Housing Portal

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
No	No	No	No	Yes

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

From the analysis of the feedback received from the parents, it was observed that the parents recorded their appreciation and satisfaction towards the quality of teaching, teaching discipline, fee structure Program availability, Mentor-Mentee system, Career Guidance and students counselling. Being encouraged by the feedback of the parents, the teachers and the administration were motivated to rededicate themselves to better the qualities in all respects. However, the parents registered their reservations in transport arrangement and infrastructure of the college. The administration took a serious note of all these points mentioned by the parents. The institution requested the government transport authorities to provide public transport facilities adequately to the college. The administration resolved to take steps to generate funds for the augmentation of infrastructure.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.A. History	75	210	76
B.A. English	75	220	89
B.Sc., Mathematics	75	154	72
B.Sc., Physics	48	182	53
B.Sc., Chemistry	48	130	44
B.Sc., Botany	48	120	56
B. Com	75	317	77
M.A. English	45	83	49
M.A. Economics	45	7	3

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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 full-time teachers available in the institution teaching only UG courses	Number of full-time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2015-16	1766	324	30	9	57

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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
96	27	03 - LCD Projectors	Nil	Nil	Power point presentations, web pages from internet and YouTube sources

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes

Under Mentoring system, one academic advisor is allotted to about 21 students for mentoring. The Academic advisors keep a track record of the wards, academic profile, internal assessment and end-semester marks. Mentors act as role models. They meet and advise the wards to better perform in studies and other extra-curricular activities. Wards are made to realize their innate talents by providing exposure through Rotaract Club, Youth Red Cross, Environmental Club, Youth Welfare etc., The head of the Department reviews the implementation of the system periodically. This system is very productive in terms of turning the students to more responsible citizens.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
2090	96	1:22

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
102 (Including Self – Financing Staff)	96	06	---	55

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2.4.2 Honours and recognitions 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
2015-16	Dr. S. Rajendran	Associate Professor of Botany	Guest member for circular economy task force
2015-16	Dr. K. Suresh	Assistant Professor of Botany	Best Young Scientist Award, PEARL- A Foundation for Educational Excellence
2015-16	Dr. M. Sindhuja	Assistant Professor of Commerce	Young Educator & Research Award – National Foundation For Entrepreneurship Development [NFED]

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	Last date of the last semester-end/ year- end examination	Date of declaration of results of the semester-end/ year-end examination
BA - History	URHS	II	28.05.2016	17.06.2016
		IV	26.05.2016	
		VI	31.05.2016	
BA - English	UREN	II	28.05.2016	17.06.2016
		IV	26.05.2016	
		VI	31.05.2016	
B.Sc. - Maths	URMS	II	28.05.2016	17.06.2016
		IV	26.05.2016	
		VI	31.05.2016	
B.Sc., - Physics	URPH	II	28.05.2016	17.06.2016

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Evaluation Reforms

1. Question banks for Part IV NME, Skill Based papers and Part-V (except NCC) courses are prepared by the subject experts for the use of the office of CEO.

2. Final year students of UG and PG Programmes can appear for supplementary exam for the arrear papers of only the last two semesters (V & VI Semesters for UG and III & IV Semesters for PG Programme). However, Students with the maximum of three arrear papers are eligible for supplementary examinations.

2.5.2   Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Do not include re-evaluation/ re-totalling

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	2080	0

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)

Nil

2.6.2 Pass percentage of students			
Programme Code	Programme name	Number of students appeared in the final year examination	Pass Percentage
URHS	B.A. History	57	61.4
UREN	B.A. English	58	91.38
URMS	B.Sc., Mathematics	40	95
URPH	B.Sc., Physics	38	65.79
URCH	B.Sc., Chemistry	32	81.25
URBY	B.Sc., Botany	29	51.72
URCR	B. Com	64	82.81
PGEN	M.A. English	38	84.21
PGHS	M.A. History	6	66.67
PGEC	M.A. Economics	9	100
PGMS	M.Sc., Mathematics	32	93.75
PGCH	M.Sc., Chemistry	21	90.48
PGBY	M.Sc., Botany	6	83.33
PGCR	M.Com	24	83.33
USCS	B.Sc., Computer Science	13	92.31
USBC	B.Com (with Computer Application)	31	87.1
USEN	B.A. English	10	90
USEC	B.A. Economics (with Computer Application)	4	100

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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)
Not Carried out

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 The institution provides seed money to its teachers for research: No

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
Nil	Nil	Nil	Nil

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

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	P. Mohandass	FDP	October 31 2015	UGC
	S.V. Ganesan	FDP	October 31 2015	UGC
	S. Perumal	FDP	October 31 2015	UGC
International	Nil	Nil	Nil	Nil

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
Major projects	Two Years (2014 - 2016)	TNSCST	4,40,000	1,90,000
	Three Years (2015 – 2018)	UGC	14,10,000	9,95,000
Minor Projects	Nil	Nil	Nil	Nil
Interdisciplinary Projects	Nil	Nil	Nil	Nil
Industry sponsored Projects	Nil	Nil	Nil	Nil
Projects sponsored by the University/ College	Nil	Nil	Nil	Nil
Students Research Projects *(other than compulsory by the College)*	M. Mareeswaran (2015- 2017)	Tamil Nadu State SC/ST Fellowship	1,00,000	50,000
	S. Selvakumar (2015- 2017)	Tamil Nadu State SC/ST Fellowship	1,00,000	50,000
International Projects	Nil	Nil	Nil	Nil
Any other (Specify)	Nil	Nil	Nil	Nil
Total			20,50,000	12,85,000

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the year

Dr. S. Rathinavel, Associate Professor of Botany

Funding Agency: TNSCST – S&T

Tenure of Project: 2 years (April 2014 – April 2016)

ETHANOL PRODUCTION FROM LIQUID EXTRACTS OF MARINE MACROALAGE – AN ALTERNATIV E TECHNOLOGY FOR BIOFUEL

Dr. S. Sankarlingam, Assistant Professor of Botany

Funding Agency: UGC – MRP

Tenure of Project: 3 years (July 2015 – July 2018)

SCREENING AND CHARACTERIZATION OF PLANT GROWTH PROMOTING TRAITS OF RHIZOBACTERIA ISOLATED FROM MANGROVES

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(s)
Inshop Training Programme conducted by Perry's biscuits	Commerce	02-07-2015 to 04-07-2015
English for Commerce Students	Commerce	05-08-2015
Recent Trends in Computing Technology	Computer Science	10-08-2015
Entrepreneurship Development	Computer Science	11-08-2015
Literature Strengthens our Characters	English	13-08-2015
The Recent Development in Indian Economy	Economics	17-08-2015
Job opportunities in the field of Botany	Botany	18-08-2015
Numismatcs	History	03-09-2015
Scope of VB.Net	Computer Science	08-09-2015
Placement Orientation Program	Computer Science	16-12-2015
Present Trend in Web Application	Computer Science	21-12-2015
A state Level Workshop on Formulating the Research Problem	Commerce	30-12-2015
Industry Penetration of LINUX	Computer Science	28-01-2016
MASTAS	Mathematics	26-02-2016
Capital Marketing Awareness Programme	Commerce	17-03-2016
Career Awareness Programme	Business Administration	18-03-2016

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Nil	Nil	Nil	Nil	Nil

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year		
Incubation Centre	Name	Sponsored by
1. SNC - RC	Rotaract Club (RC)	Saraswathi Narayanan College (SNC) and Madurai Rotaract Club
2. SNC - MSU	Mushroom Spawn Unit (MSU)	Saraswathi Narayanan College (SNC)

Name of the Start-up	Nature of Start-up	Date of commencement
Nil	Nil	Nil

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year	
Name of the Department	No. of Ph. Ds Awarded
English	2
Economics	1
Botany	2

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

Level	Department	No. of Publication	Average Impact Factor, if any
International	Chemistry	5	
National	English	8	
International	Mathematics	2	4.203
International	Botany	10	
International	Commerce	1	

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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	No. of publication
Nil	Nil

3.4.4 Patents published/awarded during the year: NIL			
Patent Details	Patent status Published/ Filed	Patent Number	Date of Award
Nil	Nil	Nil	Nil

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 the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Poverty Among SC/ST Landless Agricultural Labourers: A Study in Madurai District	Dr.M.Jeyakumar	International Journal For Research And Development	2014		Saraswathi Narayanan College	
Socio-Economic Constrains in Implementing Watershed Development Programme in Sivagangai District	Dr.M.Jeyakumar	Shanlax International Journal of Economics	2015		Saraswathi Narayanan College	
Role of Servive Sector in Indian Economy	Dr.P.Balasubramanian	International Journal of Innovative Research and Studies	2014		Saraswathi Narayanan College	
Role of Agriculture Sector in Indian Economy	Dr.P.Balasubramanian	International Journal of Innovative Research and Studies	2014		Saraswathi Narayanan College	
Customers' Attitude Towards USB Modem- A Study	Dr.V.Kamarasan	Global Journal for Research Analysis	2014		Saraswathi Narayanan College	

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3.4.6 H-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	Journal h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Synthesis of MoO3 nanoparticles for azo dye degradation by catalytic ozonation	A.Manivel	Materials Research Bulletin	2015-16	115		Saraswathi Narayanan College
Novel Heteroleptic Ruthenium Sensitizers containing Carbazole linked 4,5-diazofluorene ligand for dye sensitized solar cells	A.Manivel	Polyhedran	2015-16	102		Saraswathi Narayanan College
Rhynchosia ganesanii, a new name for Rhynchosia fischeri P. Satyanar. & Thoth. (Leguminosae: Papilionoideae), from India	N. Vasudevan	Phytotaxa	2015-16	41		Saraswathi Narayanan College
Astragalus podlechii, a new name for Astragalus insularis Maassoumi & Podlech (Fabaceae)	N. Vasudevan	Feddes Repertorium	2015-16	26		Saraswathi Narayanan College

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

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	02	02	02	53
Presented Papers	02	--	02	05
Resource Persons	--	--	02	--

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3.5 Consultancy			
3.5.1 Revenue generated from Consultancy during the year: Free Consultancy Provided			
Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr. S. Rajendran	Mushroom spawn production	Saraswathi Narayanan College	Free consultancy service and training were provided to 125 entrepreneurs

3.5.2 Revenue generated from Corporate Training by the institution during the year				
Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	Nil	Nil

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 co-ordinated in such activities	Number of students participated in such activities
Blood Donation to Govt. Rajaji Hospital	NSS / YRC / Govt. Rajaji Hospital	4	120
Sapling Planting Programme at Jaihindpuram, Madrai-11 in Association with Rotary Club of Madurai Elite	Rotaract Club / Rotary Club of Madurai Elite	1	10
Literacy Programme for Uneducated People at Perungudi Village	Rotaract Club / Rotary Club of Madurai Elite	1	20
Assisting Polio Vaccination Programme in Association with Rotary Club of Madurai Elite at Anuppanadi Govt Hospital	Rotaract Club / Rotary Club of Madurai Elite	1	4

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	No. of Students benefited
Preservation of Environment	Award for Environment Awareness	RUDSET	30

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/ agency/ collaborating agency	Name of the activity	Number of teachers co-ordinated such activities	Number of students participated in such activities
Uniqueness of being Women as well as Challenges Faced by them in Contemporary Society	Women Empowerment cell	Seminar on Women Empowerment	2	55
Blood Donation to Govt. Rajaji Hospital	NSS / YRC / Govt. Rajaji Hospital	Blood Donation Camp	4	120
Awareness Programme on Detrimental Effect of Narcotics and Psychotropic substances	NSS / YRC	Awareness Programme on Drug Abuse	4	74
Special Lecture on Strengthening Self Confidence among Girl Students	Women Empowerment cell	Seminar for Girl Students	2	52

3.7 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	Nil

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-To)	participant
Nil	Nil	Nil	Nil	Nil

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

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers Participated under MoUs
Nil	Nil	Nil	Nil

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
Rs. 1,30,00,000	Rs. 1,34,00,000

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	66 Acres	Nil
Class rooms	31	09
Laboratories	10	Nil
Seminar Halls	01	Nil
Classrooms with LCD facilities	Nil	Nil
Classrooms with Wi-Fi/ LAN	Nil	Nil
Seminar halls with ICT facilities	Nil	Nil
Video Centre	Nil	Nil
No. of important equipment purchased (≥ 1-0 lakh) during the current year.	Nil	3 (Cooling Centrifuge, Gel Documentation, Orbital Shaker)
Value of the equipment purchased during the year (Rs. in Lakhs)	Nil	5,00,000

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 partially)		Version		Year of automation	
Nil	Nil		Nil		Nil	

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	46016	--	128	--	46144	--
Reference Books	--	--	--	--	--	--
E-Books	--	--	--	--	--	--
Journals	10	--	--	--	10	--
E-Journals	--	--	--	--	--	--
Digital Database	--	--	--	--	--	--
CD & Video	--	--	--	--	--	--
Library automation	--	--	--	--	--	--
Weeding (Hard & Soft)	--	--	--	--	--	--
Others (Newspapers)	11	--	--	--	11	--

4.2.2 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
Nil	Nil	Nil	Nil

4.3 IT Infrastructure								
4.3.1 Technology Upgradation (overall)								
	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	42	25	03	Nil	Nil	07	07	Nil
Added	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total	42	25	03	Nil	Nil	07	07	Nil

4.3.2 **Bandwidth available of internet connection in the Institution (Leased line)**

10 MBPS

4.3.3 Facility for e-content	
Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Nil	Nil

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
Rs. 25,50,000	Rs. 33,65,431	Rs. 1,25,00,000	Rs. 1,31,06,775

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)

Maintenance measures are exercised periodically to ensure the good working condition of lab equipment, computers, other peripherals, generator etc., Periodical checking is put in place to ensure the hygienity of water tanks, toilets and other facilities. Labs maintain stock register and register for consumable materials.

The Librarian and the department library in charge teachers regularly review and evaluate resource materials. At the end of academic year, Library committee comprising teachers under the convenorship of the librarian take stock of the books available, to prepare a report of books issued, returned or missed. The departments are asked to prepare a list of books required to meet the needs of the revised syllabus and submit to the librarian to place order for the books. Copies of M.Phil. dissertations of various disciplines are sent to the library for the use of the students for reference. Different committees with teachers are formed for stock verification of articles in all domains in the college including tables and chairs to replace the damaged ones to ensure infrastructural fulfilment. Sports committee member aid the PED to conduct various sports and games practices for boys and girls and teachers on daily basis. Gardening and landscaping are done. RO facility is installed to provide purified drinking water to the students. CCTV cameras are installed to ensure personal security and safety on the campus. Library kept open till 4 pm.

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	Nil	Nil	Nil
Financial support from other sources			
a) National	Higher Education Loan	71	5,43,000
	SC Scholarship	275	25,00,275
	BC Scholarship	317	5,22,546
b) International	Nil	Nil	Nil

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
Workshop cum Training Programme on Yoga and Meditation	19.06.2015	120	NSS and NCC
Importance of Education on the occasion of Birth Anniversary of Kamarajar, Former Chief Minister of Tamil Nadu	15.07.2015	74	Youth Welfare Department
Musical Genius of M.S.Viswanathan organised to Strengthen Aesthetic Sensibility of Students	16.07.2015	82	Readers Forum
Compression Moulding Operation in Rubber Industry	24.07.2015	65	Department of Chemistry
Special Session on Managerial Concepts in Thirukkural	31.07.2015	60	Tamil Illakiya Peravai
Workshop on Communicative Skills	03.08.2015	73	Department of English
Special Lecture on Smart Windows	06.08.2015	62	Department of Physics
Orientation Programme for NSS Volunteers	13.08.2015	150	NSS
Importance of Energy Storage System	03.09.2015	55	Department of Physics
Orientation Programme for Rotaract Members	11.09.2015	56	Rotaract Club/Rotary Club of Madurai Elite

Gandhian Economic Philosophy on Rural Development	08.10.2015	40	Centre for Gandhian Studies
Special Session on Dreams of APJ Abdul Kalam	15.10.2015	100	NSS & Youth Welfare Department
Dimensions of Ramanujan's Theories of Mathemiatics	22.12.2015	48	Department of Mathematics
Honing Creative Skills Illustration of Poet Kannadhasan	21.01.2016	60	Tamil Illakiya Peravai
Workshop on Research Methodology for Part-time M.Phil. Scholars	30.01.2016	74	IQAC
Importance of Students Involvement in Sports	05.02.2016	600	Department of Physical Education
Invited talk on Contemporary Mathematics	26.02.2016	46	Department of Mathematics
Special lecture on Importance of Consumer Awareness	16.03.2016	65	Citizen's Consumer Forum
50th Graduation address on Importance of Orientation on Communication and Software Skills	20.04.2016	656	Saraswathi Narayanan College

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

The courses English for Career Development, Mathematics for Competitive Examinations, Indian National Movement, Economics for Competitive Examinations, Chemistry for Competitive Examination, Presentation and Job Seeking Skills and Interview Skills equip the students to appear for the Competitive Examinations conducted by Government recruiting agencies competently.

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2015	Employment Opportunities for Botany Students	60	60	Data Not Available	Data Not Available
2015	Employment Opportunities in Cosmetic Industries	44	44	Data Not Available	Data Not Available

2015	Tips for Competitive Examinations	75	75	Data Not Available	Data Not Available
2015	Mathematics for Competitive Examinations	72	72	Data Not Available	Data Not Available
2015	Employment Opportunities for Computer Science Students	39	39	Data Not Available	Data Not Available

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	No. of grievances redressed	Average number of days for grievance redressal
Nil	Nil	Nil

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	Number of Students Placed
Nil	Nil	Nil	18
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5.2.2 Student progression to higher education in percentage during the year			
Name of student enrolled for higher education	Programme completed	Name of institution joined	Name of programme admitted to
Nagalakshmi .M 12UMA523	B.Sc. Mathematics	Saraswathi Narayanan College	M.Sc. Mathematics
Rajkumar .S 12UMA525	B.Sc. Mathematics	Saraswathi Narayanan College	M.Sc. Mathematics
Suguna .M 12UMA531	B.Sc. Mathematics	Saraswathi Narayanan College	M.Sc. Mathematics
Vijaya Sankar .M 12UMA534	B.Sc. Mathematics	Saraswathi Narayanan College	M.Sc. Mathematics
Vinoth Kumar .N 12UMA535	B.Sc. Mathematics	Saraswathi Narayanan College	M.Sc. Mathematics
Alagar.A 12UCO1	B. Com	Saraswathi Narayanan College	M. Com
Alagu.V 12UCO2	B. Com	Saraswathi Narayanan College	M. Com

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Anandakumar.M 12UCO5	B. Com	Saraswathi Narayanan College	M.Com
Athisayamani.B 12UC10	B. Com	Saraswathi Narayanan College	M.Com
Ayyanar.P 12UC11	B. Com	Saraswathi Narayanan College	M.Com

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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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	--	--
SET	--	--
SLET	--	--
GATE	--	--
GMAT	--	--
CAT	--	--
GRE	--	--
TOFEL	--	--
Civil Services	--	--
State Government Services	--	--
Police Department	01	--
Any Other – Indian Army	01	--

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

Activity	Level	Participants
Radio Mirchi Programme	Intramural	60
Elocution Competition on Gandhian Philosophy	Intercollegiate	50
RYLA-MASS-2016	Intercollegiate	79
Sports Meet	Intramural	600
MASTAS - 2016 - Quiz Competition	Intercollegiate	250
Competitions organised on the occasion of Einsteins Day	Intercollegiate	300
Essay Writing Competition on Consumer Laws and their Uses	Intramural	40

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)

Nil

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

To make it student centred in all respects, the college has created more space for increased student participation in major activities of the institution. Students find a definite place in Academic Council, Department Associations, Cultural Committee, NCC committee, NSS Committee, Sports Committee etc. Their role in Academic council, the ultimate prime body for approving the academic programmes is significant. Student representatives coordinate activities of NCC, and NSS for their successful execution. Senior cadets of NCC provide guidance, and training to Junior Cadets and actively participate in organising NCC programs on national important days.

NSS volunteers are involved in organising awareness programmes, blood donation camps, and improving facilities in adopted villages. Star Students academically tutor the still – to achieve (slow learners) students in the class. Student members of environmental club act to keep the campus green rich. Rotaract club comprising students facilitates leadership skills and other soft skills among the students. The students are actively involved with the teachers in the back drop in the department association activities which gain them with leadership skills, soft-skills and organizing skills. Students participate in the cultural events organised in other institutions to exhibit their special talents. Students in sports committee take lead role in organising inter-departmental sports events. Students are given definite role in the management of conferences, seminars, cultural events organised by our institution.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? No
(maximum 500 words):

5.3.2 No. of registered Alumni: Nil

5.3.3 Alumni contribution during the year (in Rupees): Nil

5.3.4 Meetings/activities organized by Alumni Association: Nil

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)
Two senior most Associate Professors are nominated by the Principal to the management committee which is responsible for planning and development of the institution. Power devolution is effected to govern the domains of academics and finance with the inclusion of senior teachers. One personage is nominated by the Management to be a member of the Governing Council which also includes two senior most Associate Professors nominated by the Principal. Boards of studies of all UG and PG Programmes meet periodically to enrich the curricula. These Boards are constituted in such a way that they involve Alumni and industrial experts, besides external subject experts to facilitate participative management. The suggestions offered by the alumni and the industrial experts are considered for enriching the curricula in line with industrial and social needs.
6.1.2 Does the institution have a Management Information System (MIS)? Yes
Official website provides detailed information about the institution to all its stakeholders. Students' performance in the Summative Examinations is recorded in Computer system and uploaded on the institution's website within period of twenty days from the last date of the examinations. The website is periodically updated. A FoxPro based Computerised Catalogue for the Library books is available. Staff salary is claimed using FoxPro based E-Payroll in softcopy. Everyday attendance of Teaching and Non-Teaching staff is recorded, which enables the administration to prepare payroll of the employees. MIS takes care of Examination activities in the form of collection of CIA marks, appointments of examiners and declaration of results using CGPA system. The IQAC collects information from the Heads of Departments in the areas of academic programs, teachers and students' achievements and research activities along with documentary evidence including photographs. Statistics relating to the students is maintained through AISHE. Most of the official records are maintained in Excel Format.

6.2 Strategy Development and Deployment
6.2.1 Quality improvement strategies adopted by the institution for each of the following (within 100 words each)**:**

❖ **Curriculum Development**

The suggestions offered by industrialists and alumni are taken into account for curriculum development to make the syllabi of all the UG, PG and M.Phil. programmes to meet the requirements in line with social changes and demands. The guidelines of UGC, TANSCHE and MKU are followed in letter and spirit to tone up the quality of curriculum planning and development. Add-on Certificate and Diploma Courses are offered to UG students to impart the required skills to make them job ready. The curriculum pays attention to the courses imparting entrepreneurial skills to qualify the students for self-employment. The curriculum incorporates global contemporary concepts and issues. It is designed to orient the students to apply their skills earned to real life situation.

❖ **Teaching and Learning**

Learner-centric teaching and learning is put in practice in the institution. Students are given the concepts underlying the particular course in advance of the class to ensure their active participation and interaction to make the teaching-learning experience effective. Topics for student's seminar are given well in advance for their presentation with the objective of improving their academic skills. Activity based teaching strategies like debates, discussions, role plays, pair and group activities, problem solving activities foster critical thinking and life skills. The students are given freedom to choose their Non-Major Elective courses. Field study is practised, wherein the students work collaboratively. Institution sponsored seminars are organized to get the students enlightened in their fields by utilizing the expertise of the academicians of other institutions. Feedback through internal tests helps both students and teachers understand students' learning level. Participatory teaching-learning process is facilitated.

❖ **Examination and Evaluation**

Continuous Internal Assessment system is practised to gauge student learning progress and quality of teaching. Internal Test Committee is set up every year for the conduct of centralized internal tests as per the schedules given in college calendar prepared by the IQAC. Multiple choice questions are asked both in the internal tests and the summative examinations. Other assessment methodologies adapted like classroom quizzes, seminars and presentations are taken. Outcome based assessment is in place in lab skill evaluation, in formative and summative examinations. Scrutiny board consisting of external experts is constituted to scrutinize the question papers of the summative examinations. The schedule for the summative examinations is prepared by the office of the Controller of Examinations and the same is put up on college notice board and the website well in advance. Schemes of valuation are prepared for the summative examinations for quality

evaluation. The viva voce are conducted for projects and practical. On completion of the evaluation work, the results are presented to the Awards Committee. The results of the summative examinations are published on the college website within twenty days from the last date of the summative examinations.

❖ **Research and Development**

Five Post Graduate Departments have been upgraded to Research Departments. The institution insists on teachers to pursue Ph.D research programmes and to take up research projects from various funding agencies. The teachers with Ph.D are asked to apply for guideship from the university to guide scholars towards Ph.D. The teachers are encouraged to publish research articles, present research papers in various conferences, to become members in various research committees in other institutions, and to be on the panel of examiners of Ph.D thesis. Research oriented projects are given to students to impart research sensibility.

❖ **Library, ICT and Physical Infrastructure / Instrumentation**

Library functions in an exclusive building providing peaceful and conducive atmosphere for effective reading. A computerised catalogue is available for the books stocked in the general library. Study materials, comprising e-books and other study materials like open books, texts and notes downloaded from the internet are available in the library. The institution has well equipped seminar hall. Each PG department has department library. Separate grounds for Volley ball, Foot Ball and other sports events available.

❖ **Human Resource Management**

The College is governed by the effective managing system involving Heads of various departments to coordinate various committees and co-curricular activities for the effective functioning of the institution. Deans of Academic affairs for Arts and Science are appointed once in two years. Two senior-most teachers are nominated to the Governing Council and the Management Body. Various committees are formed for effective utilization of human resources. Teaching and non-teaching staff are appointed as and when the vacancy arises. Appointments are made based on UGC guidelines and the norms of Government of Tamil Nadu. Faculty Development Programs are organised for teaching staff. Training programs are organised for Non-Teaching staff. Teachers are deputed to undergo Faculty Development Programs organized by other academic institutions. Substitute teaching staff are appointed for the teachers deputed under FDP and going on maternity leave. Director of Self-financing Programmes leads the self-financing stream.

❖ **Industry Interaction / Collaboration**

Industrialists are included in the Boards of Studies and Academic Council of the Institution to make use of their expertise for enriching the curricula in line with Industrial requirements. Industrial visits are arranged by the Departments to expose students to the Industrial work culture.

❖ **Admission of Students:**

Admissions of the students are made based on the merit of applications in line with government reservation policies and university guidelines. Admission notice is given in Dailies of wide circulation. Applications are scrutinised and the

selection list is prepared with the approval of the Principal. Selected Candidates are intimated by call letters and called for interview by the respective departments. The applications of the selected candidates are verified with the documentary evidence. They are processed and submitted to the Principal for admission.

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

❖ **Planning and Development**

All relevant information pertaining to the development of the information put up on the college website.

❖ **Administration**

Library catalogue is automated using FoxPro software. Most of the communications to the officials of UGC, Universities and Govt. of Tamil Nadu are sent online using Google platforms.

❖ **Finance and Accounts**

Computerised pay bills for both teaching and non-teaching staff are prepared every month.

❖ **Student Admission**

The students' Enrollment is recorded in Excel format. The enrolled students are alphabetically ordered and Register Numbers are assigned to the students.

❖ **Examinations**

The questions are collected from the question setters by email also confidentially. After the evaluation of the scripts by the external examiners, the entry of marks is computerized and the results are published online for the instant reach to the students after getting the results approved by the Awards Committee.

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: NIL

Year	Name of teacher	Name of conference / workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2015-16	Nil	Nil	Nil	Nil

6.3.2 Number of professional development / administrative training programmes organized by the Colleges 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	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2015-16	Faculty Development Program on Teaching Beyond Text.	Nil	15.09.2015	51	Nil

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	Date and Duration (from – to)
Orientation Programme	04 02 06 02	06/05/2015 - 02/06/2015 and 21 days 14/05/2015 - 10/06/2015 and 21 days 27/10/2015 -23/11/2015 and 21 days 13/11/2015 -10/12/2015 and 21 days
View File		
6.3.4 Faculty and Staff recruitment (no. for permanent recruitment):		

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
Nil	Nil	Nil	Nil

6.3.5 Welfare schemes for	
Teaching Staff	i. Salary advance to the appointees till the sanctioning of the salary. ii. Appointment of Substitute for the teachers on maternity leave on management Salary. iii. Conduct of Medical Camps. iv. Canteen Facilities. v. All statutory welfare measures including CL, RH, ML, EL, Leave on Private Affairs, and one-hour permission for two days in a month as per government order for the teachers of Aided Program. vi. CL, ML and one-hour permission for two days in a month for the teachers of Self-Financing Program. vii. Car & Two-wheeler Parking. viii. Thrift society loan. ix. Permission for deducting the insurance premium. x. Professional Security service during the college hours. xi. CCTV Cameras installed for security purpose.
Non-teaching Staff	i. Salary advance to the appointees till the sanctioning of the salary. ii. Conduct of Medical Camps. iii. Canteen Facilities. iv. All statutory welfare measures including CL, RH, ML, EL, Leave on Private Affairs, and one-hour permission for two days in a month as per government order for the Non-teaching Staff of Aided Program. v. CL, ML and one-hour permission for two days in a month for the Non-teaching Staff of Self-Financing Program. vi. Car & Two-wheeler Parking. vii. Thrift society loan. viii. Permission for deducting the insurance premium. ix. Professional Security service during the college hours. x. CCTV Cameras installed for security purpose.
Students	i. Sports kits for sports persons ii. Government Scholarship and loans iii. Opening of Zero Balance SB account with Indian Bank. iv. RO Drinking Water v. Car & Two-wheeler Parking. vi. Canteen Facilities. vii. Professional Security service during the college hours viii. CCTV Cameras installed for security purpose. ix. Conduct of Medical camps x. Yoga and physical training xi. Boys' hostel

6.4 Financial Management and Resource Mobilization

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

Finance Committee comprising Dr. M. Kannan, Thiru.T. Narayanan, Mr. N. Senthil, Dr. P. Periyakaruppan takes care of the financial affairs of the institution. An internal audit is conducted every year and financial statement is prepared. The statutory auditor is available on payment for Income tax purpose. The Office of Director of Collegiate Education conducts audit periodically. Audit is conducted by PAG (Principal Accountant General) once in three years.

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/ Grants received in Rs.	Purpose
Nil	NA	NA

6.4.2 Total corpus fund generated: 10,00,000/- (Ten Lakhs Only)

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	No		No	
Administrative	No		No	

6.5.2 Activities and support from the Parent – Teacher Association (at least three)

<div align="center">Nil</div>

6.5.3 Development programmes for support staff (at least three)

<div align="center">Training Program on Personality and soft skills development on 03.02.2016</div>

6.5.4 Post Accreditation initiative(s) (mention at least three)

6.5.5

a. Submission of Data for AISHE portal: Yes

b. Participation in NIRF   : No

c. ISO Certification   : No

d. NBA or any other quality audit   : No

6.5.6 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration	Number of participants
2015 – 16	IQAC Meeting	22.06.2015	Two Hours	12
2015 – 16	Uniqueness of being Women as well as Challenges Faced by them in Contemporary Society	02.07.2015	Two Hours	55
2015 – 16	Faculty Development Program on Teaching Beyond Text.	15.09.2015	Two Hours	51
2015 – 16	Tips for Competitive Examinations	07.09.2015	Two Hours	62
2015 – 16	Research Centre in Chemistry inaugurated	01.10.2015	One Hour	50
2015 – 16	Lecture on Mathematics for Competitive Examinations	13.10.2015	Two Hours	72
2015 – 16	Mushroom Spawn Unit for Public use inaugurated	27.10.2015	One Hour	52
2015 – 16	IQAC Meeting	04.12.2015	Two Hours	11
2015 – 16	Awareness program on detrimental effects of Narcotics and Psychotropic substances.	28.01.2016	Two Hours	105
2015 – 16	A workshop on Research Methodology for part-time M.Phil. scholars.	30.01.2016	Two Hours	74
2015 – 16	Orientation Programme on Personality Development for Non-Teaching Staff	03.02.2016 (Morning Session)	Two Hours	29
2015 – 16	Orientation Programme on Soft Skill Development for Non-Teaching Staff	03.02.2016 (Afternoon Session)	Two Hours	29
2015 – 16	News Bulletin for the academic year 2014-15 released by IQAC	29.02.2016	One Hour	77
2015 – 16	NAAC visit	03.03.2016 to 05.03.2016	18 Hours	All Staff Members
2015 – 16	Special Lecture on Strengthening Self Confidence among Girl Students	08.03.2016	Two Hours	52

CRITERIONVII –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)

The institution is very keen on promoting gender equity. It has constituted Sexual Harassment Prevention Committee as per the UGC guidelines. The Students' Psychological Counselling Cell of the institution plays a key role in addressing the problems of girl students. Complaint boxes are kept at appropriate places for knowing the women relates specific problems. Women Empowerment Cell and Women Entrepreneurship Development Cell of the institution play a proactive role in enhancing the profile of the girl students. The following Gender sensitization programmes have been organized during this academic year to create legal and social awareness among the girl students:

Title of the programme	Period **(from-to)**	Participants	
		Female	Male
Uniqueness of being Women as well as Challenges Faced by them in Contemporary Society	02.07.2015	55	Nil
Special Lecture on Strengthening Self Confidence among Girl Students	08.03.2016	52	Nil

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources	

i. All Part V programmes aim at creating awareness on environmental cleanliness.
ii. The course "Environmental Studies" has been designed in such a way that it creates environmental consciousness among students and sensitizes them to issues connected with Biodiversity.
iii. At the very entrance of the college, adequate space is earmarked for the students to park their vehicles to reduce the carbon foot prints.
iv. Adequate separate space is earmarked for the teachers to park their vehicles to reduce the carbon foot prints.
v. Adequate separate space is earmarked for the visitors to park their vehicles to reduce the carbon foot prints.
vi. The activities of the Environmental Club and NSS also instil eco-consciousness which is further augmented with green rich ambience of the institution.
vii. Small beautiful gardens have been set to maintain lush green campus.
viii. Electricity consumption is minimised by inculcating among students and staff the habit of switching off fans and lights when they are not required and avoiding the use of Air Conditioner.

7.1.3 Differently abled (Divyangjan) friendliness		
Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	No	No
Provision for lift	No	No
Ramp/ Rails	No	No
Braille Software/facilities	No	No
Rest Rooms	No	No
Scribes for examination	Yes	4
Special skill development for differently abled students	No	No
Any other similar facility	No	No

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7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2015	1	--	16.07.2015	DST and TNSCST sponsored Science Exhibition on "Science for Life" for School Students	Scientific Awareness	300
2015	--	1	17.07.2015	Blood Donation to Govt. Rajaji Hospital	Social Responsibility	120
2105	1	--	15.08.2015	Book Donation to Avvai Girls Higher Secondary School, Madurai	Social Responsibility	50
2015	--	1	06.09.2015	Sapling Planting Programme at Jaihindpuram, Madrai-11 in Association with Rotary Club of Madurai Elite at	Eco consciousness	10
2015	--	1	19.09.2015	Literacy Programme for Uneducated People at Perungudi Village	Illiteracy	20
2015	--	1	27.10.2015	Mushroom Spawn Unit for Public	Self Employment	60

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2016	--				use	
2016	--	1	17.01.2016	Assisting Polio Vaccination Programme in Association with Rotary Club of Madurai Elite at Anuppanadi Govt Hospital	Social Responsibility	4
2016	--	1	25.03.2016	Medical Camp at adopted villages	Health Awareness	52

7.1.5 Human Values and Professional Ethics		
Code of conduct (handbooks) for various stakeholders		
Title	Date of Publication	Follow up (maximum 100 words each)
Students	i. On the date of reopening 18.06.2015. ii. Circulars issued by the Principal as and when the Government and University stipulate changes in code of conduct.	College handbook carries the code of conduct related to examination system and general discipline. Students are expected to strictly abide by the code of conduct stipulated in the Hand book. In all the meetings, the Principal emphasizes the professional responsibilities and ethics invariably and instructs the students to adhere to the code of contact strictly.
Teachers	i. At the time of joining the duty. ii. Circulars issued by the Principal as and when the Government and University stipulate changes in code of conduct.	Orientation on code of conduct is given to the teacher at the time of joining the duty. Teachers are reminded of the code of conduct meant for them through circulars by the Principal. They are strictly advised not to use mobile phone in the class room. It is mandatory for every teacher to follow the dress code.
Non-Teaching Staff	i. At the time of joining the duty. ii. Circulars issued by the Principal as and when the Government and University stipulate changes in code of conduct.	Orientation on code of conduct is given to the non-teaching staff at the time of joining the duty. They are reminded of the code of conduct meant for them through circulars by the Principal. It is mandatory for every non-teaching staff to follow the dress code.
Principal	At the time of joining the duty	It is mandatory for the Principal to follow the code of conduct as prescribed by the college.

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-------to-------)	Number of participants
Seminar on Life values in Thirukkural	22.09.2015	82
Awareness Programme on Food Security	28.01.2016	55
Awareness Programme on Detrimental Effect of Narcotics and Psychotropic substances	28.01.2016	105
Voters Awareness Programme	08.03.2016	100
Special lecture on Importance of Consumer Awareness	16.03.2016	65

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Initiatives of Environmental Club to keep the campus green rich.

2. No plastic cups used in canteen

3. Tobacco Free Campus maintained.

4. The campus populated with big trees and shrubs.

5. Small garden with flower plants maintained to censure biodiversity.

6. Zero littering, clean surroundings.

7. Institution being far from the city, hence with least carbon footprints

8. Rain water Harvesting.

9. Proper E-waste management

10. Switching off lights and fans when not required to save electricity.

11. Periodical tree plantation drive on camps.

12. Use of split AC to minimise energy loss.

13. World Environment Day observed for creating environmental awareness among the stakeholders of the institution of the college

7.2 Best Practices

Green Drive

Objectives

- ➢ To create environmental awareness among internal and external stake holders and make the college campus green affluent.
- ➢ To drive for environmental solutions towards a sustainable future
- ➢ To aspire for innovative solutions to environmental challenges
- ➢ To drive a culture of good environmental practice

Context

Today our mother earth is smothered with environmental pollution in the form of air, water and land pollution. Quality of Human Life has become miserable in the face of climate change, global warning, and increasing quantum of greenhouse gases. For the earth to survive, the pollution must be abated.

Practice

Planting of sapling has been a regular and committed practice of the institution because trees are instrumental in purifying air by absorbing the green houses gases and giving out oxygen. Limited use of air conditioner, energy efficient lights, proper disposal of waste materials, economical use of water resource and electric energy, keeping reduced carbon footprints with isolated vehicle parkings, maintaining good eco system to have a good interaction with flora and fauna in a healthy environment keep the campus green rich. Eco club instils green consciousness among students continuously and consistently.

Evidence of Success

The success of this effort is exhibited with clean and oxygen rich campus, rich profile of flora and fauna, rich water resources, reduced pollution level, fresh air, concrete and good green cover, economic use of electric power.

Challenges

Maintenance of green cover in perfect fashion poses challenges. However, the college takes suitable measures to cope with these challenges

Gender Sensitization

Objectives

- To make the students understand the social and cultural constructions of gender that shapes the experiences of women.
- To generate awareness in regard to gender equity enshrined in the various laws related to women in India.
- To make the students gender sensitive and create positive values that supports the girl students and their rights.
- To inculcate an egalitarian behavior to foster gender equality.

Context

Gender Sensitization is a need of the hour on women's rights and legal provisions for women in India. With the changing times and changing gender roles, it is important to spread awareness. Gender insensitivity and inequality, patriarchy need for woman empowerment, lack of safety of women and inclusion and gender injustice makes the context for the gender sensitization.

Practice

The schedule of the college is punctuated with constructive gender sensitization seminars and workshops to sensitize the students to gender justice through the Women Empowerment Cell. These gender-challenge specific programmes are of great value to instill gender equity consciousness among the students. The vocational training prepares the girl students to be self-employed and to develop employability skills to win a definite space in the society.

Evidence of success

The college witnesses a warm relationship between female and male students fostering mutual respect, mutual cooperation, mutual academic help, mutual worship of human relationship and mutual empathy.

Challenges

Inadequate attention of a few students is a major challenge. However, the college identifies such students and the suitable advice is given to them.

7.3 Institutional Distinctiveness

The institution is committed to generating first generation graduates to make the rural families economically advanced and socially dignified. It attracts more students from rural, backward socio-economic and vernacular medium schooling background, mostly of first-generation graduates. Education provided by our institution serves the spring board for the graduates to successfully meet the requirements against all odds of life. The teachers are oriented to teach on the comfort level and pace of the learners. Bilingual approach is employed by the teachers to create an ambience conducive to learning. Simplified essays, paragraphs, summaries, and quizzes facilitate the learners with the joy of learning. Management funded seminars are organised. Endowments with the financial contribution of the retired teachers have been created to honour the students of achievements with cash awards. It makes the awardees feel recognised and appreciated to achieve further. This practice serves the source of great inspiration and motivation not only to the awardees but also to other students.

Days of national importance are celebrated to impart great values, culture and patriotism to the students. Such an academic support is of much value to the slow learners who feel comfortable with the learning process. The students become confident of getting through the exams. They relate themselves to the outside world of reality through the knowledge gained from education. Education today, not only focusses on imparting knowledge but also on the overall development of the students. The quality development of personality of the students helps them lead a quality life. As our institution is known for upholding traditional values, all the activities are seamlessly carried out with values to make our students responsible citizens.

8. **Future Plans of action for next academic year (500 words)**

➢ Planned to prepare AISHE and submit it to the Ministry of Education
➢ To prepare Handbook (Academic calendar) to be issued to the students on the reopening day of the following academic year
➢ To prepare comprehensive feedback forms to collect feedback from Alumnus and parents
➢ To inaugurate Department Associations
➢ To conduct seminar on innovative teaching methodology for teachers
➢ To encourage the Departments to organize programmes under Institute-Industry cluster

- To conduct seminars related to entrepreneurial skills to cultivate self-employability skills among students
- To conduct seminar on Career guidance
- To conduct National seminar on National integration
- To conduct seminar on Cybercrime awareness in the wake of increasing cyber crimes
- To organize Health awareness camp
- To conduct awareness camp on Child abuse and protection
- To organize Blood Donation camp on the campus
- To conduct workshop on soft skills and leadership skills
- To plant saplings to increase the green cover on the campus
- To promote cleanliness on the campus with involvement of volunteers

Name _Dr. M. JEYAKUMAR_

Signature of the Coordinator, IQAC
Coordinator, IQAC
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MADURAI - 625 022

Name _Dr. M. KANNAN_

Signature of the Chairperson, IQAC
Principal
Saraswathi Narayanan College
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