Jagadguru Sri Shivarathreeshwara University (JSS University)

JSS Medical Institutions Campus, Sri Shivarathreeshwara Nagar, Mysore – 570015

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ANNUAL QUALITY ASSURANCE REPORT (AQAR)

Prepared by

INTERNAL QUALITY ASSURANCE CELL

(PERIOD – July 2015-June 2016)

Submitted to

National Assessment & Accreditation Council

P. O. Box No. 1075, Nagarbhavi

Bangalore -560072, Karnataka

India

The Annual Quality Assurance Report (AQAR) of 2014 - 15

Part – A

1. Details of the Institution

1.1 Name of the Institution

> Jagadguru Sri Shivarathreeshwara University (JSS University)

1.2 Address Line 1

> JSS Medical Institutions Campus

Address Line 2

> Sri Shivarathreeshwara Nagar

City/Town

> Mysore - 570015

State

> Karnataka

Pin Code

> 570015

Institution e-mail address

> registrar@jssuni.edu.in

Contact Nos.

> +91-821-2548400

Name of the Head of the Institution:

> Dr. B. Suresh

Tel. No. with STD Code:

> +91-821-2548391

Mobile:

> +919972395591

Name of the IQAC Co-ordinator:

Dr. Prashant Vishwanath

Mobile:

+919886287470

IQAC e-mail address:

iqac@jssuni.edu.in

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*

KAUNGN 11002

1.4 **NAAC Executive Committee No. & Date:**
*(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)*

EC/64/A&A/41 dated 08-07-2013

1.5 Website address:

www.jssuni.edu.in

Web-link of the AQAR:

www.jssuni.edu.in/iqac/aqar-2015-16

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

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.34	2013	2018
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC :   DD/MM/YYYY

08/11/2013

1.8 AQAR for the year *(for example 2010-11)*

2015-16

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

    i. AQAR 2013-14 submitted to NAAC on 30-09-2014
   ii. AQAR 2014-15 submitted to NAAC on 19-10-2015
  iii. AQAR_____ _____ (DD/MM/YYYY)
  iv. AQAR_____ _____ (DD/MM/YYYY)

1.10 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)

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 ☐ **√**

1.11 Type of Faculty/Programme

Arts ☐   Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☐ Health Science ☐ **√** Management ☐

Others (Specify)   .

1.12 Name of the Affiliating University *(for the Colleges)*

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

Autonomy by State/Central Govt. / University [ ]

University with Potential for Excellence [ ]   UGC-CPE [ ]

DST Star Scheme [ ]   UGC-CE [ ]

UGC-Special Assistance Programme [ ]   DST-FIST [√]

UGC-Innovative PG programmes [ ]   Any other (*Specify*) [Centre of Excellence conferred by Vision Group of Science & Technology, Govt. of Karnataka]

UGC-COP Programmes [ ]

2. IQAC Composition and Activities

2.1 No. of Teachers [07]

2.2 No. of Administrative/Technical staff [01]

2.3 No. of students [02]

2.4 No. of Management representatives [03]

2.5 No. of Alumni [01]

2. 6 No. of any other stakeholder and

   community representatives [01]

2.7 No. of Employers/ Industrialists [01]

2.8 No. of other External Experts [02]

2.9 Total No. of members [18]

2.10 No. of IQAC meetings held : 02

2.11 No. of meetings with various stakeholders: No. 01   Faculty 01

Non-Teaching Staff Students -   Alumni 01   Others -

2.12 Has IQAC received any funding from UGC during the year?   Yes [ ]   No √

If yes, mention the amount [ ]

2.13 Seminars and Conferences (only quality related)

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

Total Nos. [ ]   International [ ]   National [ ]   State [ ]   Institution Level 02

(ii) Themes

- Workshop on Performance Based Appraisal System and Career advancement system
- University Leadership Seminars

2.14 Significant Activities and contributions made by IQAC

Since its inception the internal quality assurance cell (IQAC) of JSS University has been working on developing quality and key performance indicators for the institution and its constituent colleges. In the preceding year the IQAC has been instrumental for the revision of the Vision, Mission, Goals and the strategic plans of the constituent colleges and University departments. The key focus has been on feedback and shifting of feedback from manual to online system for majority of the stakeholders like alumni, parents, employees, industry, etc. through web based surveys and through the management information system of the institution. The reports are also placed on governing body meetings and provide inputs for resource allocation for individual institutions.

A separate quality division has been established at the University to cater to all aspects of quality in higher education. Periodic meetings are held to monitor the progress made towards achievement of higher standards in education by the constituent colleges. A full time nodal officer has been entrusted with the responsibility of ensuring implementation of policies framed by the University.

The IQAC has revised the performance based appraisal system (PBAS) and the career advancement system (CAS) for the JSS University based on the guidelines prescribed by University Grants Commission (UGC) and considering the individual needs of our University. A faculty seeking career advancement should have minimum cumulative points to be eligible for promotion to a higher cadre.

The IQAC is regularly conducts annual department audits and analyses the strengths and weakness of the individual departments and provides suggestions on areas of improvement for the individual departments. The number of members in IQAC at each constituent college has been increased to enable the IQAC to meet its objectives

2.15 Plan of Action by IQAC/Outcome

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

Plan of Action	Achievements
1. Setting benchmark indices for assessment of quality indicators	The management information system (MIS) has been developed in house and is being implemented in a phased manner. The MIS also provides instant reports on some of the KPI's and helps assess quality on a day to day account. The performance based self appraisal has also been modified to take into account a 360 degree evaluation.
2. Implementation of Performance Based Assessment Scheme (PBAS) for Faculty of JSS University	PBAS has been successfully re-designed and implemented following the UGC guidelines.
3. Academic & Administrative Audits (AAA)	The IQAC regularly conducts AAA for all the departments and the reports are placed in the governing body meetings of the individual institutions.

The Academic Calendar of the year2014 – 15 is attached as Annexure I.

2.15 Whether the AQAR was placed in statutory body   Yes √   No ☐

Management √   Syndicate ☐   Any other body ☐

Provide the details of the action taken

Suitable changes were made to the AQAR following inputs from the members.

Part – 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
PhD	04	Nil	04	04
PG	70	02	70	70
UG	23	Nil	23	23
PG Diploma	30	07	30	30
Advanced Diploma	-	-	-	-
Diploma	02	01	02	02
Certificate	06	02	06	06
Others	02	Nil	02	02
Total	137	12	137	137

Interdisciplinary	06	01	06	06
Innovative	11	-	11	11

√   √   √

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

Pattern	Number of programmes
Semester	15
Trimester	
Annual	122

1.3 Feedback from stakeholders*   Alumni [√]   Parents [√]   Employers [√]   Students [√]
(On all aspects)

    Mode of feedback :   Online [√]   Manual [√]   Co-operating schools (for PEI) [ ]

*Analysis of the feedback provided in Annexure II

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

- MD Biochemistry - A revision of the curriculum for post graduates has been made considering the advances in the field of molecular biology and clinical laboratory medicine
- AHS courses - All the UG courses (BSc) in allied health sciences have been converted from annual system to **Choice Based Credit System** and has been approved by the Board of Studies and has been brought into implementation from the 2016-17 batch of students
- M.Sc. Medical Physiology - Scheme of examination and marks distribution has been changed. In the curriculum
- M.Sc. Medical Microbiology - Hospital infection control, Bio-medical waste management, Molecular diagnosis and Nosocomial infections have been added in the curriculum.
- PG Curriculum has been updated for MD Pathology and Diploma in Clinical Pathology courses
- MD Emergency Medicine curriculum has been revised based on the needs of the course
- The regulations and syllabi of B.Pharm has been revised completely and Credit based semester system is introduced in the academic year 2015-16.

The salient features of this curriculum and semester are:

- The minimum credit points required for award of a B. Pharm. degree by JSS University, Mysore is 208.
- These credits are divided into Theory courses, Tutorials, Practical, Practice School and Project over the duration of eight semesters and distributed semester-wise.
- Courses generally progress in sequences, building competencies and their positioning indicates certain academic maturity on the part of the learners.
- Learners are expected to follow the semester-wise schedule of courses given in the syllabus.
- One credit point has also been assigned for extracurricular and or co-curricular activities of the student.
- Remedial courses, Courses on Environmental Sciences, Computer application were introduced and made as non-university examinations.
- Nine courses have been given as an open basket in the eighth semester and the students shall choose 2 courses from them depending on their interest.
- The M.Pharm syllabus has been revised and Credit Based Semester System is being introduced from 2016-17.
- MCQ's have been added in the internal assessment examination for all the years of BDS course.
- MCQ's have been added in the Final assessment examination for RS-1 1st year of BDS course 2015-16.

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

JSS Medical College & Hospital

- ◉ Cardiology outreach centres at JSS: Chamarajanagar.
- ◉ Peripheral centres at HD Kote, K R Nagar, Kollegal, Hunsuru in Mysuru and Chamarajanagar Districts.

The following Facilities have been added at JSS Medical College & Hospital

- Trauma unit started.
- Sexual Medicine Clinic
- Child guidance Clinic
- Vitreoretinal unit
- Pain and Palliative Care Unit at JSS Hospital, Mysuru
- Geriatric Clinic
- Diabetic Clinic

JSS College of Pharmacy, Ooty

- ◉ The centre for Bioavailability and Bioequivalence (BA/BE) has been established with the approval of the office of Drug Control General of India (DCGI), New Delhi.
- ◉ This centre is meant for consultancy services to Pharmaceutical Industries for the conduct of BA/BE studies.
- ◉ The Post graduate students and research scholars get opportunity to closely monitor the proceedings and conduct of BA/BE studies and learn the technical and regulatory aspects of such studies.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
491	149	100	129	114

2.2 No. of permanent faculty with Ph.D.   72

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
13	14	03	03	05	08	39	15	60	40

2.4 No. of Guest and Visiting faculty and Temporary faculty   46   14   02

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	190	335	271
Presented papers	49	123	44
Resource Persons	09	56	83

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

> **JSS Medical College & Hospital**
> - The Biochemistry department conducts Modified PBL sessions where in students are first exposed to a problem along with a brainstorming session followed by a knowledge acquiring session and a presentation session.
> - The Anatomy department conducts Peer assisted tutorials, MCQs based learning, video assisted cadaveric dissection, Digital histology learning, Interactive large group teaching.
> - The forensic department conducts Moot Court for the students.
> - The Microbiology department Model making competition for Undergraduates, Hospital Infection Control Sensitisation through role play, and Participation in EQAS for bacteriology, serology & Mycology, UG students visit to Diagnostic Laboratories & CSSD
> - The Pharmacology department does Pharmacotherapeutic exercises to given an insight and understanding the therapeutic approach of diseases. Attending geriatric clinic in association with geriatric physician-caring of geriatric patients and monitoring of prescriptions in elderly.

- In Pathology department Rapid biopsy review introduced for post graduate students, Group discussion for post graduate students (Section wise), Assignments for slow learners and repeaters, Slide bank of interesting cases for native PG students and outside college PG students.
- In ENT Video demonstration of surgical procedures
- In Opthalmology **WET LAB -** for surgical techniques with microscopes and microsurgical instruments on animal eyes, **TRANSFER OF SURGICAL SKILLS** - by assisted live surgeries. **HANDS ON TRAINING** for investigation- (FA, OCT, USG , PERIMETRY) **SELF ASSESSMENT BY STUDENTS** by first evaluating the patients independently and cross checking with the consultant. **WEB BASED LEARNING -** in the form of webinars.
- **VAST –** Videos of surgical procedure. **INTEGRATED TEACHING** with other departments.
- In Cardiology Morning Report, Point of care Echo- Emergency and Point of care Echo-Neonatal.
- In nephrology Hands on training for dialysis technicians in the dialysis room and Non invasive body water estimation using USG.
- In radiology department the **Website** www.jssmcradiology.com has reached out to about 150 countries and is now listed on www.radiologyeducation.com as one of the recommended sites for Radiology education. **Case of week-New** concept of electronic display of case of week in the museum on the television has been introduced. **Poster Display-** Educational Posters are Displayed in the CT Corridor regularly. **STAR** (Specialized Training in Advanced Radiology) program is conducted once every month. Expert **external faculty** from various prestigious institutes are being invited on quarterly basis to conduct sessions for Postgraduates.
- In Psychiatry Teachers training programme to create awareness among teachers of JSS institute among psychological illness. All fourth term students are thought doctor patient relationship through role plays.
- In community medicine Piloting of Whats app based instructional methods in Family Health Advisory Survey to 4th term MBBS students, Tribal Health care visit – Sargur and Kenchanahalli, Design and development of New UG Record.
- **Mentorship** program has been initiated in order to mentor postgraduates with academic guidance including improvement in the research and publication credentials of the department.
- **Internal Audit of all departments**

JSS Dental College
- Internet based learning-customised website for Pedodontics lesson downloads
- ICT /audiovisual based teaching process
- MCQ pattern introduced in internal and external assessment for university under graduate examination.

JSS College of Pharmacy, Mysore
- ◉ Horizontal integration in teaching is introduced
- ◉ Inter-professional education is introduced for selected courses

JSS College of Pharmacy, Ooty
- ◉ 'Integrated Teaching' has been introduced. Under this scheme, the common topics of Pathophysiology, Pharmacology and Pharmacotherapeutics have been chosen and discussed in sequence by the teachers by relating the concepts of one subject into others. Then a case study pertaining to those topics were presented by the students which were evaluated by the teachers of all these subjects and other health care professional invited viz. Physicians and or Nurses.
- ◉ 'Mind Mapping' has been introduced. After completing a particular topic, the teacher used to write a broader topic name on the chart and students were randomly called and asked to write another word to logically link the word previously written. This process is extended as a tree and at the end of the process, the salient points of the topic given by the teacher were fully conceptualized and summarized. This chart was taken a snap and distributed to the students as a ready reference for the revision on the topic.
- ◉ 'Interprofessional Teaching' has been introduced. By this scheme, the faculty from the pharmacy taken classes to the nursing students and the physicians and nursing faculty taken classes to the pharmacy students on the topics of mutual interest.

Faculty of Life Sciences & Department of Water and Health
- ◉ Expert external faculty from various prestigious institutes are being invited on quarterly basis to conduct sessions for PG and UG.
- ◉ Add on certificate course on Hematology for UG students.
- ◉ Twenty one day workshop on GIS and its applications for PG students from across the country.
- ◉ YouTube lectures: plays for languages.
- ◉ UG Bioinformatics computer based practice.
- ◉ UG laboratory posters.

Department of Health System Management Studies
- ◉ On –the- Job Training with visits to various hospitals.
- ◉ Guest lectures by experts.

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

| 240 |

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

The Controller of Examinations heads the examination section of the University and the examination section has brought some uniform reforms in the valuation
  ⦿ Coded Theory Papers
  ⦿ Double valuation of all theory papers
  ⦿ Valuation by 2 examiners (1 internal + 1 external) for medical and dental UG courses and valuation by 2 internal and 2 external examiners for all medical and dental PG courses.
Apart from the above mentioned uniformity, some specific changes are as follows
JSS Medical College
  ⦿ MCQs, OSPE, Open Book Examination, Individual cadaver table feedback
  ⦿ Open book exams for PGs

JSS Dental College
  ⦿ MCQ's were added in the internal assessment examination for all the years of BDS course.
  ⦿ MCQ's were added in the Final assessment examination for RS1 1st year of BDS course.

JSS College of Pharmacy, Ooty
  ⦿ Online tests with multiple choice questions were given as unit tests to the students through the online portal created in-house called 'JSSUONLINE' and 'E-LEARN'.

  ⦿ Objective Structured Clinical Examination (OSCE) has been introduced to V year Pharm.D. students at formative examinations and the average marks were included in the internal assessment marks.

Faculty of Life Sciences & Department of Water and Health
  ⦿ Internal exams (Open book exams).

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

73	46	25

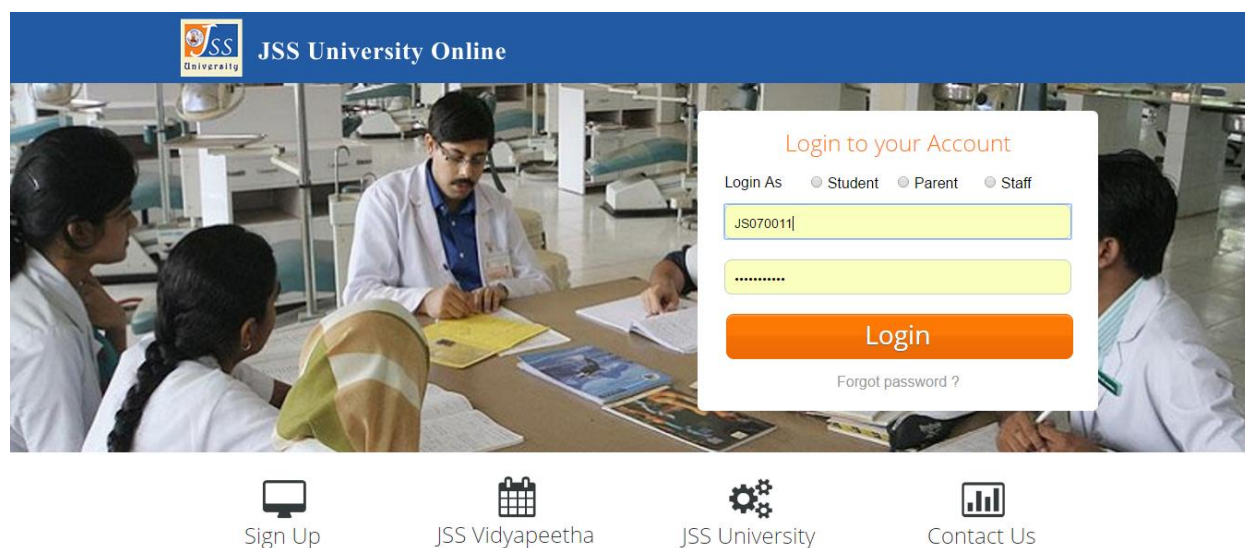**2.10 Average percentage of attendance of students**

| 85 % |

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. Of students appeared	Division				
		Distinction	I	II	III	Pass %
JSS Medical College						
MBBS	861	31	187	315	112	78.56
MBBS Phase I	263	26	90	53	36	74.04
MBBS Phase II	277	03	48	80	24	54.76
MBBS Phase III Part - I	199	02	52	84	22	78.74
MBBS Phase III Part – II	168	--	35	99	12	85.73
MD/MS	103	-	18	72	-	88.34
PG Diploma	27		03	22	-	92.59
BSc I year	224		25	43	63	62.01
BSc II year	120		32	36	13	57.9
BSc III year	70		18	20	8	71.22
JSS Dental College						
BDS I Year	100	12	27	45	-	84
BDS II Year	90	6	44	35	-	94
BDS III Year	89	-	13	66	-	89
BDS IV Year	90	3	36	45	-	93
PG	32	-	8	22	-	93.75
PG Diploma	03	-	-	-	03	100
JSS College of Pharmacy, Mysore						
B.Pharm (2013-14)						
I B.Pharm	95	20	68.42	-	-	88.42
II B.Pharm	81	26	64	1.36	-	91.36
III B.Pharm	35	17	51.4	5.7	-	74.29
IV B Pharm	38	13.0	71	5	-	89.47
PharmD (2013-14)						
I PharmD	30	53.3	36.6	-	--	90
II PharmD	29	48.27	51.72	-	-	100
III PharmD	30	46.6	46.6	-	-	93.33
IV PharmD	40	67.5	30	-	-	97.50
V PharmD	38	47.3	42.1	5.3	-	94.74
JSS College of Pharmacy, Ooty						

I. B. Pharm.	100	12	52	-	-	64
II. B. Pharm.	94	28	52	-	-	80
III. B. Pharm.	70	39	56	-	-	96
IV. B. Pharm.	45	33	60	-	-	93
I. Pharm.D.	30	27	50	-	-	77
II. Pharm.D.	29	55	45	-	-	100
III. Pharm.D.	30	47	50	-	-	97
IV. Pharm.D.	35	54	43	-	-	97
V. Pharm.D.	36	39	61	-	-	100
I. M. Pharm.	42	55	45	-	-	100
II. M. Pharm.	23	96	4	-	-	100
Department of Health System Management Studies						
MBA-HA I sem	31	06	14	06		83.87
MBA-HA IV sem	27	05	20	02	-	100
MBA-HA II sem	21	01	15	05	-	100
MBA-HA III sem	21	---	11	04		71.43
Department of Water & Health						
UG	15	-	35%	75%	-	100%
PG I year	8	40%	35%	-	-	75%
PG II year	4	25%	75%	-	-	100%

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

 The IQAC has been instrumental in developing and implementing the JSSUONLINE portal (http://jssuonline.com/Login.aspx) which is a single platform for staff, students and parents to login and view and participate in the entire academic program, attendance, assignments, tests, periodically assesses the feedback taken from the students, alumni, parents and faculty and suggests suitable changes to the academic section. The platform also provides digital content uploaded by the faculty in the form of presentations, videos, images or important URL related to the topic available to the students.

The JSSUONLINE portal is now in an implementation stage with more than 2500 students and 500 faculty enrolled into the system. Most of the feedbacks are taken online through SurveyMonkey and through JSSUONLINE portal of the University.

The IQAC also works closely with the Centre for Continuous and Life Long Learning for Professional Excellence (CCLPE) of the JSS University and the Medical Education Unit of the JSS Medical College in conducting faculty development programmes for the faculty of JSS University and updates them on the various teaching – learning and evaluation methods. A national conference on Medical Education (http://medical-education.in) was hosted in association with the medical education unit of JSS Medical College and the CCLPE wherein more than 300 delegates from India participated and 30 renowned guest speakers including Dr. Ved Prakash Mishra, the current Chairman of Medical Council of India (MCI) delivered the key note address. There have also been a number of Medical education projects which have been published in Medical Education Journals.

The IQAC has been periodically conducting workshops under the banner of *"University Leadership Seminars"* which are focused on themes like interpersonal relations, communication skills, conflict management and leadership qualities for the faculty of the university.

2.13 Initiatives undertaken towards faculty development   04

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	208
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	12
Faculty exchange programme	02 (with AIMST University, Malaysia)
Staff training conducted by the university	110
Staff training conducted by other institutions	57
Summer / Winter schools, Workshops, etc.	40
Others	

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	236	11	01	Nil
Technical Staff	150	16	Nil	Nil

Criterion – III

3. Research, Consultancy and Extension

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

The IQAC has revised the performance based appraisal system (PBAS) forms of the University with a greater emphasis on Category III which mainly focusses on research and its outcomes. The IQAC has also circulated amongst all faculty a list of predatory journals which should be avoided while submitting manuscripts for publications. Also a list of recommended specialty journals has been prepared and circulated to all departments for encouraging research in high impact and indexed journals. The same list has also been communicated to UGC

The university also analyzes the publications from each department at the end of each academic year and departments in which research activity and publications are less are encouraged to pursue active research in collaboration with departments where research is very active.

Skills up gradation – 90 faculty have undergone Basic course workshop in Medical education technologies under the aegis of MCI. Six Faculty – ATCOM (Attitudinal and communicational Modules) training. Six faculties undergone revised basic course workshop. Two faculty undergone FIME. (Fellowship in medical education). FAIMER (Foundation for Advancement of International Medical Education and Research) Fellowship – 4 fellows.

A separate Director (Research) has been appointed for JSS Medical College & Hospital to overlook and promote the research activities of the constituent college. Dr. Rajesh T has joined department of Biochemistry, JSS Medical College & Hospital as a DBT-Ramalingaswami Re-entry fellow, a fellowship offered to prominent Indian scientists working abroad and willing to come back to India.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	06	36	03	38
Outlay in Rs. Lakhs	56.43	1029.46	107.3	913.18

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	03	17	Nil	13
Outlay in Rs. Lakhs	1.71	11.86	Nil	7.89

3.4   Details on research publications

	International	National	Others
Peer Review Journals	311	232	15
Non-Peer Review Journals	02	03	-
e-Journals	05	-	-
Conference proceedings	11	34	-

3.5 Details on Impact factor of publications:

Range | 0.5 - 3.384 | Average | 1.86 | h-index | 41 | Nos. in SCOPUS | 145

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 (Lakhs)	Received (Lakhs)
Major projects	3	ICMR, FIU,DBT, District Health & Family Welfare Society – RNTCP-MYSURU, KSTePS, IADVL, Human Resources Development of DHR, Cardiological Society of India, DST-SERB, DBT, DRDO, DST-FIST	664.7	353.39 (received in 2015-16)
Minor Projects	2	St. Johns Medical College, University of Malaya, SATC, JSS University	5.05	3.85
Interdisciplinary Projects	3	DBT,ICMR, DST	441.2	309.1
Industry sponsored	02	Colgate (I) Pvt. Ltd., University of Hyderabad, TATA Scholarship, Philips, CIPLA Pharmaceutical	113.01	113.01
Projects sponsored by the University/ College	05	JSS University	26.65	26.65
Students research projects *(other than compulsory by the University)*	1-3 years	CSIR, ICMR, DST, JSSU, TNPWST	18.96	18.61
Any other(Specify)	--	AICTE (GPAT)	--	1.94
Total	2014-15	ICMR, FIU,DBT, District Health & Family Welfare Society – RNTCP-MYSURU, KSTePS, IADVL, Human Resources Development of DHR, Cardiological Society of India, DST-SERB, DBT, DRDO, DST-FIST, CSIR, ICMR, DST, JSSU, TNPWST, AICTE	1269.57	862.55

3.7 No. of books published   i) With ISBN No. [11]   Chapters in Edited Books [13]

ii) Without ISBN No. [04]

3.8 No. of University Departments receiving funds from

UGC-SAP [ ]   CAS [ ]   DST-FIST [02]

DPE [ ]   DBT Scheme/funds [01]

3.9 For colleges   Autonomy [ ]   CPE [ ]   DBT Star Scheme [ ]

INSPIRE [07]   CE [ ]   Any Other (specify) [07]

3.10 Revenue generated through consultancy [104.38 lakhs]

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	05	27	15	04	10
Sponsoring agencies	IADVL, ICMR, JSSU	UMC, JSSU, ICMR, MCI, AIOS-ARC, IRIA, IPA (Nilgiris), DST-SERB, AICTE	JSSU, Fresenius Kabi	JSSU	JSSU, IPA

3.12 No. of faculty served as experts, chairpersons or resource persons [171]

3.13 No. of collaborations: International [15]   National [18]   Any other [04]

3.14 No. of linkages created during this year [15]

3.15 Total budget for research for current year in lakhs :

From Funding agency [640.61]   From Management of University/College [17.54]

Total [658.15]

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	03
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

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

Total	International	National	State	University	Dist	College
31	25	20	11	10	02	08

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

122

204

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

27

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

JRF   04   SRF   18   Project Fellows   11   Any other   00

3.21 No. of students Participated in NSS events:

University level   304   State level   02

National level   -   International level   -

3.22 No. of students participated in NCC events:

University level   -   State level   -

National level   -   International level   -

3.23 No. of Awards won in NSS:

University level   -   State level   -

National level   -   International level   -

3.24 No. of Awards won in NCC:

University level | - | State level | -
National level | - | International level | -

3.25 No. of Extension activities organized

University forum | 04 | College forum | 24
NCC | - | NSS | 29 | Any other | 01

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

JSS Medical College & Hospital, Mysuru

The JSS Medical College & Hospital has adopted Suttur village under model health village program (MHVP) and has surveyed the entire village for all the diseases and the records are being maintained electronically. This has served as a model and many NGO's and governmental bodies have looked at this as a role model.

Body donation association activities

Awareness programme:
   1) Schools -03
   2) Colleges-02
   3) Public -04
   4) School exhibitions - 06

Students visiting department museum for educational purpose from high schools/ nursing colleges/ life science degree colleges =2schools per month =24

Media Activities for awareness on socially significant topics

Television – 03, Radio -01, Newspapers -03

Steered by the Microbiology Department - Hand Hygiene awareness activities as part of World Hand Hygiene day celebrated

National cancer registry

Collaboration with Tata memorial hospital for performing immunohistochemistry in difficult cases at subsidised rate.

Hearing aid distribution camp done along with JSS Institute of Speech and Hearing.

Medicine - Various activities under the banner of API'MPMRT,'CSI have been conducted.

World haemophilia day 27th May 2016 and World blood donor day 14.June 2016.

Emergency Medicine - Conducted basic life support skills workshop for cadets and officers of Karnataka Police Academy, Regular interaction by the Faculty as resource person with the Administrative Training Institute in educating district level officers of the State for Disaster Preparedness, Faculty participated in training medical officers and paramedical staff of State of Goa for Emergency Management in Primary Healthcare.

In orthopaedics department, on World Osteoporosis day camps were conducted for vitamin D3 level in surrounding villages and treating the same condition. Similarly, Disability Evaluation camp, fitment of Orthotics & Prosthetics was done in collaboration with Lions Club & Mysore Jain Milan Groups, ASARE Groups & Infosys Foundation.

Dermatology - Vitiligo Day conducted on June 15 2016 as poster contest & patient education. Weekly 2 visits to Suttur as part of school and rural health programme.

Psychiatry - Teachers training programme to create awareness among teachers of JSS institutions about psychological problems in children. It has been started in 2006, till now we have completed 28 such progtames. This year we have conducted three, among them one was addressing headmasters' and principals'.

Our faculty gave invited lectures on psychological problems in students in Shree Jayachamarajendra College of Engineering as a part of World Bank sponsored TEQIP programme.

Our faculty gave invited lectures on psychological problems in students at JSS woman's college, Saraswathipuram,Mysore

Our faculty gave invited lectures on psychological problems in students at JSS College of pharmacy, Ooty

Paediatrics - Attending various camps on a regular basis by all faculty members. Regular Suttur and Chamarajnagar (JSSH) posting for all faculty members.

Community medicine

1. School and College Health Appraisal Programme 2015-16 covered 18,250 children across Mysore and Chamarajanagara District

2. MSSRI : Medical Student's Social Responsibility Initiative

3. Outreach Health Camps: Gaddige village, B Mattikere and Marballi

4. Health care services for flood victims at Tamil Nadu

5. First Aid Training Programme for 30 School Teachers
6. Sensitization of School children on Population Education

JSS College of Pharmacy, Ooty

S. No	Name of the program	Date and month	Outcome
1	National Doctors Day	1st July 2015	An official gathering of all the doctors of GHQH, Ooty with pharmacy faculty and students to greet the doctors
2	Safe Disposal of medicines	10th August 2015	Promoting awareness about the safe disposal of unused / expired medicines to the general public
3	National Nutrition Week	1- 7 September 2015	The program includes creating awareness among the school children, drawing competition about healthy foods, release of pamphlets about healthy eating habits etc were promoted.
4	World Pharmacists Day	25th September 2015	Continuing pharmacy education program organised for the benefit of the practicing pharmacists
5	World Heart Day	29th September 2015	The awareness program on heart diseases for the benefit of the employees of municipal office, bank officers etc
6	World Mental Health Day	10th October 2015	This day is celebrated to create the awareness among the adults, children and women to take care of the mental health for healthy living
7	World Immunization Day	10th November 2015	Promoting awareness about the immunization to young kids among the mothers
8	World Diabetes Day	14th November 2015	Promoting awareness about the diabetes to the tea estate workers
9	World AIDS Day	01st December 2015	Human chain awareness program and distribution of pamphlets on prevention of deadly disease
10	World Cancer Day	4th February 2016	Promoting awareness about the cancer through distribution of pamphlets at various places of Ooty town
11	World Diabetes Alert Day	24th March 2016	Screening of early stage of diabetes through camp
12	Safe Use of Medicine	10th April 2016	Promoting awareness about the safe disposal of unused / expired medicines to the general public
13	World Hypertension Day	17th May 2016	Promoting awareness about the health life styles for the prevention of hypertension, counselling and distribution of pamphlets

JSS College of Pharmacy, Mysuru

- Conducting blood donation camp
- Awareness Rally
- Health screening services
- Participation in Swatch Bharat Abhiyan

JSS Dental College, Mysuru

- ◉ **Camps in rural and tribal areas:** JSS Dental College and Hospital with fully equipped *Mobile Dental Clinic with a portable X – ray unit* is actively involved in extending basic oral health services to rural and tribal population while organizing regular treatment camps. We collaborate with many NGOs such as Rotary, Help Educate a Child etc, to extend these services. A total of 40 treatment and screening camps have been organized benefitting 4581children, adults and elderly population.

- ◉ **School dental Health Programs:** Comprehensive oral health care services have been offered to children in JSS Residential School, Suttur, JSS High School, Bannimatap, Mysuru. Besides, regular oral health care is being offered to children in an orphanage run by Social welfare board, as well as for differently abled children at Sai Ranga School, Mysuru. Dental Health education on preventive practices aimed at moulding their life style at an young age is the striking feature of these programs. A total of 525 children were treated and 3555 children were given oral health education in last one year. Department of Pedodontics and preventive dentistry organized an oral health care program in four schools covering around 600 children highlighting the importance of oral hygiene and demonstrating correct brushing techniques.

- ◉ **NSS activities:** The NSS unit JSS Dental College & Hospital conducted a educative and informative Programme on general hygiene maintenance in Chayadevi Asharam on 25th September 2015. Children were trained for Oral Hygiene maintenance using model and charts and also educated them on how to maintain general hygiene. Around 50 NSS volunteers took part in the programme.

  One day awareness programme in Suttur High school was conducted on 13-11-2015. Series of lecture on personality development and food and nutrition were given. This was followed by various competitions organized for school children, it included Drawing, Rangoli, Debate, Pick & Speak competition.

- ◉ **Model Health Village Program:** The JSS Mahavidyapeetha has adopted Suttur village under model health village program (MHVP). This has served as a model and many NGO's and governmental bodies have looked at this as a role model. JSS Hospital, Dental unit, Suttur is equipped with state of art equipments and facilities offering sophisticated dental services. Dental treatments are offered free of cost for the beneficiaries enrolled in the program and their records are maintained.

- ◉ **Central Prison project:** MOU was renewed and signed with the Rotary in the presence of Secretary, JSS Mahavidyapeetha. The Rotary has handed over a cheque of Rs. 24,000 to cover the treatment expenses of the prisoners. Basic oral health services are offered to inmates of central prison since early 2000. Recently the prison authorities have requested for establishing a Tobacco Intervention Initiative Centre at Central prison in view of the increasing addiction among the inmates. In this regard awareness program on hazards of tobacco consumption and tips for addiction among prisoners. The Program was organized at central prison Mysuru on 26th of May 2016.

- ◉ **KSRTC Healthy life style clinic:** First of its kind in the country where oral health care services are offered to KSRTC employees at their premises. The project aims to modify life style practices of these employees through intensive oral health education and providing treatment at

the institution. JSS Dental College & Hospital has established a fully functional dental unit in this regard.

JSS Smile Clinic: The details of the multi disciplinary cleft lip and palate have been uploaded with photographs into the website. A menu has been created in the website with information regarding the bank details. A total of 60 have benefited in last one year.

⦿ **Baby Oral health promotion Clinic**: An extension speciality clinic of Dept. of Pedodontics & Preventive Dentistry functioning in the Department of Pediatrics, JSS Hospital on Monday and Thursday from 9.00 am to 1.00 pm was inaugurated on 10th November 2014. In this clinic all the children visiting Pediatric OPD are given guidance regarding oral health maintenance. More than 1300 children have been benefited from this clinic in last one year.

⦿ **Awareness campaigns:** The Institution is actively involved in organizing many awareness campaigns such as World Health Day, World No Tobacco Day, World Environment Day, World AIDS Day, Dentist's day, Oral Hygiene day, National tooth brushing day, National Public Health Dentistry Day etc. In all these campaigns, students and faculty actively get involved in creating awareness on causes for most common communicable and non-communicable diseases highlighting simple self-care practices aimed at their prevention and control.

⦿ **Danta Bhagya Yojane**: The institution is providing oral rehabilitation services to elderly poor by providing complete dentures to population below poverty line under the Government scheme "Danta Bhagya Yojna". Three camps have been organized with district health offices of Mysuru, Mandya and Chamarajanagar to spread awareness on the program. The institution in a nodal center for three districts under this scheme. A total of 118 patients have been offered complete dentures in last one year.

⦿ **Poor patients fund**: A menu has been created in the website regarding the poor patients fund with information on bank details for donors.

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	JSSMC – 48628.20 sq mtrs JSSDC – 17554.74 sq.mtrs JSSCPM - 20097.94 sq mtrs JSSCPO – 37932.76 sq mtrs	-	-	-
Class rooms	30	-	-	-
Laboratories	Each department of the University is equipped with laboratory	-		-
Seminar Halls	Each department of the University has its own seminar hall	-		-
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	179	52	DST-FIST, Colgate, ICMR, DBT, JSS University, JSS Hospital	410
Value of the equipment purchased during the year (Rs. in Lakhs)	-	117.26 lakhs	JSS hospital, JSS University, DST-FIST, VGST, ICMR	117.26
Others	-	-	-	-

4.2 Computerization of administration and library

The University has implemented the indigenously developed online cloud based software which has the following modules

1. Employee/Faculty Profile
2. Digital Content Module
3. HRMS
4. Pay roll module
5. Leave module
6. Library module
7. Student Profile
8. Parent Module

The Library in each of the constituent college has been equipped with easylib software and there is provision of online public access catalogue (OPAC) system. Additionally the management information system software also has a library module incorporated into it which provides access to students and faculty of the university with the availability of book titles and journals. The digitalisation of the library with bar coding system also keeps track of the available books and the person to whom it has been issued.

Each library also has a digital library section allowing students to use computers for their projects, access to internet, etc.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Lakhs)	No.	Value (Lakhs)	No.	Value (Lakhs)
Text Books	18726	246.04	1082	21.29	19808	267.33
Reference Books	37762	326.41	1738	42.74	39500	381.85
e-Books	1767	1.62	13	10.99	1780	2.12
Journals	415	689.89	20	221.01	435	910.9
e-Journals	3399	137.98	2303	17.68	3613	155.66
Digital Database	14	47.22	-	57.29	14	104.51
CD & Video	3168	1.83	146	0.16	2619	1.99
Others (specify) Audio Cassettes, Slides, Charts/Posters, WHO collections	1992	1.08	-	-	2006	1.08

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	525	35	1GBPS connection from BSNL connected to all systems	Wi-Fi campus. Can access internet anywhere	04	77	265	77
Added	80	01			02	02	20	07
Total	605	36			06	79	285	84

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

JSS Medical College & Hospital, Mysuru

JSSU Online Training, Jneya technology software & training to generate certificates, Smart class training for teaching staff's.

One-Day Workshop, in collaboration with Mysore Librarians and Information Scientists Association (MyLISA) on **"Search and Review of Medical Literature: Issues and Trends for medical practitioners and students"**

Session Details:

Session 1 (10:00 am to 11:30 am) - Resources for medical research - Dr. ShivanandBhat, Manipal University, Manipal It will bring the gamut of e-Resources available for harvesting medical literature. It will introduce the participants about the open access resources and subscribed resources for medical fraternity for research.

Session 2 (11:45am to 1:00 pm) –Clinical Key – User Orientation Programme, Elsevier New Delhi, The searching techniques in online database – Clinical Key, will be introduced in this session. The searching strategies, managing the individual accounts, tracking the downloaded materials, organizing of resources are some of the value added features demonstrated in the session.

Session 3 (2:00 pm to 3:00 pm) - Online searching techniques and strategies (through Google) - Prof. Minhaj, SDM College Mysore, The searching techniques which are in practice, in general search engines and online databases will be introduced in this session. The searching strategies to get the value added results are the tips that will be shared with the participants.

Session 4 (3:15 pm to 4:30 pm) - Referencing Techniques (Zotero Software will be introduced) - Dr. N.S. Harinarayana , Prof. Dept. of Library Information Science, University of Mysore, Mysore, Open source reference building software Zotero and the browser based tool BibMe are the two software(s) introduced in this session. Initially, the session will touch upon the concept of referencing, citation, types of referencing and focus will be on the Vancouver Style of Referencing which is practiced in the area of Medicine.

JSS College of Pharmacy, Ooty.

The ICT enabled teaching workshop was conducted on 6th February, 2016 for the faculty members. The aim of the workshop was to make best use of technology in teaching learning methodology at

JSS College of Pharmacy, Mysuru

1. Dr. M.P. Gowrav and Mrs. R.S.Savitha attended one day Training Workshop on ICT enabled teaching methodologies- "Experiencing the technology" February 2016 at College of Pharmacy, Ooty.

2. Mr. Krishna Undela attended "National Conference on Setting Benchmarks in Teaching & Learning through ICT" held at Sri Ramachandra University, Chennai on 5th & 6th February, 2016.

With the implementation of management information software (MIS) e-governance has been introduced and many governance issues are being addressed electronically. The use of Tally software across all sections has enabled easy accounting and auditing services.

4.6 Amount spent on maintenance in lakhs:

   i) ICT   540.01

  ii) Campus Infrastructure and facilities   983.75

 iii) Equipments   1027.23

 iv) Others   96.35

Total :   2647.34

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC is interwoven with all the committees in the respective institutions and in all the management level meetings and provides inputs on academic, administrative, research and infrastructural needs for the University. The IQAC also works in close co-ordination with the student councils in each college and facilitates the grievance redressal forum of students. The IQAC in the individual institutions has representatives from students who also provide inputs on various student related issues.

The IQAC also monitors the feedback taken from the students and provides recommendations to the institutions for needful action on the same. The IQAC has been instrumental along with the Information & Technology (IT) team of JSS University to bring JSSUONLINE platform to students where in many of academic their needs are met.

The IQAC also works in co-ordination on prevention of sexual and gender harassment committee to address any grievance received by them. The IQAC also overlooks the anti-ragging committee activities to overcome any issues of ragging and if they are handled in the appropriate way.

5.2 Efforts made by the institution for tracking the progression

The institutions enrol all passed out graduates and post graduates into alumni association and the students also enrol their details into the website. Student progression is tracked through the alumni updates through the portal http://www.jssuni.edu.in/alumni/. The implementation of the management information system has also provided username and passwords to alumni to remain in contact with their alma mater and post updates.

Institution's efforts in tracking the progression are continuous and retrospective. Institution has systematic, aggressive and 360^0 tracking of student's progression.

The systematic approach of Institution to track the progress of the student is as follows
1) Regular monitoring of peers for their regularity and learning by Batch teacher and Class teachers and through the Mentorship Programme
2) Monthly attendance report generating and its review.
3) Academic council board meeting to review the performance of student in Internal Assessment examination.
4) Parent report sent after every internal Assessment examination
5) Monthly Lecture Feed Back to understand whether the teaching-learning process is happening in the expected way and to achieve excellence in Teaching-Learning process
6) Annual Feedback on facilities & infrastructure, teaching and Curriculum
7) Result analysis – Annual

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2644	1476	221	106

(b) No. of students outside the state

2521

(c) No. of international students

125

Men

No	%
1988	47.06

Women

No	%
2236	52.93

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1551	30	16	473	01	2071	1803	53	21	750	-	2627

Demand ratio 1:10.7   Dropout % - 0.4%

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

> The students are provided library facilities even after completion of course and allowed to use the resources of the institution. Counselling from experts is made available on request. The following programmes are in place to cater to student needs
>
> UGs-
>   Extra coaching
>   PG entrance oriented teaching
>   MCQ's based internal assessments
> PGs-
>   Industrial oriented teaching
>   Industry & Institution interaction
>   To facilitate campus selection through placement cell
>   Web based guest lecture
> ➢ The 'Higher Education Committee' comprising of faculty members train the students for competitive examinations with both internal and external subject experts.

No. of students beneficiaries

711

5.5 No. of students qualified in these examinations

NET [   ]   SET/SLET [   ]   GATE [10]   CAT [   ]

IAS/IPS etc [02]   State PSC [   ]   UPSC [   ]   Others (PG Entrance) [64]

5.6 Details of student counselling and career guidance

Campus Recruitment Training (CRT) of one week duration was organised in the month of Oct 2013 for the II year students of M. Pharm and VI year PharmD by External experts from Arivu foundation, Bangalore. The program involved both out bound exercise, presentations, team work and group discussion, which helped the students to improve their communication and presentation skills.

➢ Separate committees have been functioning for student counselling and placement with staff members
➢ The counselling committee supports the students for their professional issues and personal issues
➢ Every faculty member acts as a mentor and counsel the students on one to one basis
➢ The Placement committee liaises with employers for both campus placement and off campus placement.

Gnana Degula – An event organized by leading newspaper Deccan Herald in which JSS University provides students with options to various courses and the prospects of such courses

JSS Medical College has a Student Counselling Centre which is equipped with two professors, 2 assistant professors and two clinical psychologists. They provide consultation on 2nd and 4th Friday of every month. It also provides various career opportunities to the outgoing students.

No. of students benefitted	244

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
22	280	96	114

5.8 Details of gender sensitization programmes

> A gender sensitization committee has been formed both at the University level and at individual constituent college level. The gender sensitization committee has conducted programmes in association with RESCUE, an NGO working in Mysore on avoiding usage of porn on mobiles and computers and on Medical Termination of Pregnancy.

5.9 Students Activities

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

  State/ University level | 564 | National level | 101 | International level | 00 |

  No. of students participated in cultural events

  State/ University level | 232 | National level | 132 | International level | 01 |

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

Sports : State/ University level | 176 | National level | 05 | International level | 00 |

Cultural: State/ University level | 133 | National level | 48 | International level | 01 |

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	08	3.95 lakhs
Financial support from government	92	68.05 lakhs
Financial support from other sources	39	38.25
Number of students who received International/ National recognitions	Nil	Nil

5.11 Student organised / initiatives

Fairs   : State/ University level | 03 | National level | 01 | International level | 00 |

Exhibition: State/ University level | 13 | National level | 01 | International level | 00 |

5.12   No. of social initiatives undertaken by the students   31

5.13 Major grievances of students (if any) redressed:

The students grievance redressal cell has addressed six issues the details of which are maintained in the cell. Follow up of such grievances are also conducted to ensure that it is redressed to the satisfaction of the complainant.

The JSS Dental College students grievance redressal cell has received following complaints this academic year

1. Lack of entrance text books.
2. Change of books issue timings

Both the grievances have been attended.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

> *Vision:*
>
> As a comprehensive university, JSS University is committed to offering high quality undergraduate, graduate and professional education to its students.
>
> *Mission:*
>
> The Mission of JSS University is to nurture and develop the talents of students and to create applicable knowledge in order to support social and economic advancement.

6.2 Does the Institution has a management Information System

> Yes. The institution has indigenously developed its own management information system customized to its own needs. The IT department of the university manages the MIS with continuous updation to the same and is available at www.jssuonline.com

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

6.3.1 Curriculum Development

The University has developed the quality policy and has ensured adherence to the same and as validated by external quality audit agencies such as MCI, DCI, PCI, ISO, GLP, NBA, ACPE and others for their quality sustenance. The constituent colleges have continued their quality sustenance and quality enhancement initiatives after the establishment of the university, with particular reference to curricular aspects in the following manner:

- Shift from annual system to CBCS pattern for courses whose curriculum is not dictated by regulatory authorities.
- Equal thrust to all the courses based on relevance, national and global need at undergraduate and postgraduate and research level.
- Increased number of courses and increased options within courses of study updated according to the latest developments in the discipline.
- Obtaining feedback from industry, students, alumni and other stakeholders through formal and informal regular contact that ensures information about qualitative changes required in courses.
- Regular updating of curriculum as required based on need, feedback, model national/ international curricula, industrial needs and student expectations.
- Thrust to ICT enabled courses, ICT competence, multi-skill development, flexibility to slow learners and challenges to advanced learners.
- Wherever the curricula can be supplemented, value added component of ICT is included for equipping the student to compete on global level.
- Inclusion of skills assessment and competency based assessment during routine practical's and internal examinations

6.3.2 Teaching and Learning

The JSS University has adopted the following strategies to ensure an effective teaching learning process across the institutions. Feedbacks are obtained from stake holders on the teaching learning process and continuous improvements are effected for better outcomes.

- Established smart class rooms with interactive panels for effective engagement of students in large group learning
- Allowing uploading of digital content by the teachers so as to enable students to have access to content anytime they want to refer through the student portal of JSSUONLINE platform
- Allow faculty to upgrade their teaching skills through workshops on education technologies and fellowships in medical education.
- Promotion of self-directed learning across all the courses. The university conducts academic audits for departments wherein innovations in teaching learning process are one of the agenda. All departments are encouraged to inculcate innovation and best practice in teaching and learning
- Simulation labs and skills labs in certain department to make the understanding of the subject better and to improve the skills of the students
- Maintenance of log books, clerkship records and teaching records at post graduate level teaching

Additionally the constituent colleges have taken the following measures to enhance teaching learning process

JSS Medical College

Biochemistry - 32 Modules in Problem based Learning have been implemented in Biochemistry as PBL Sessions
Anatomy - Video assisted learning of gross anatomy, Peer Assisted Tutorials, Peer Assisted one to one learning to facilitate learning of under achievers, Mentoring for students, Interactive large group teaching methods, Horizontal integration for first year subjects, Procedural training in Anatomy beyond see one do one.
Physiology - MCQs discussion during tutorials and Vertical integrated teaching.
Microbiology - Model making competition for Undergraduates, Faculty seminars & journal clubs
Pharmacology - Implementation of Drug stations for as part of Practical curriculum of MBBS. Computer based animal experimentation models better understanding of pharmacology, Computer based PK & PD analysis through PK PD modelling, Introduction of OSPE & PBL for MBBS. Pharmacotherapeutic exercises, pharmacoeconomic problems.
In Pathology Rapid biopsy review introduced for post graduate students, Group discussion for post graduate students (Section wise), Assignments for slow learners and repeaters.
Opthalmology - **Wet Lab -** for surgical techniques with microscopes and microsurgical instruments on animal eyes. **Transfer of Surgical Skills** by assisted live surgeries. **Hands on Training** for investigation (FA, OCT, USG, PERIMETRY), **self-assessment by students** by first evaluating the patients independently and cross checking with the consultant. **Web Based Learning -** in the form of webinars. **VAST –** Videos of surgical procedure and **Integrated Teaching** with other departments.

Radiology - **Case of week**-New concept of electronic display of case of week in the museum on the television has been introduced, Poster Display- Educational Posters are Displayed in the CT Corridor regularly, **STAR** (Specialized Training in Advanced Radiology) program is conducted once every month, Expert external faculty from various prestigious institutes are being invited on quarterly basis to conduct sessions for Postgraduates. Mentorship program has been initiated in order to mentor postgraduates with academic guidance including improvement in the research and publication credentials of the department.

Orthopaedics - Annual Event - **Mysore Orthopaedic Course** for Exam going Orthopaedics Post Graduate students

- Monthly rosters for theory classes, Block rounds, area postings and grand rounds are prepared and notified, Journal Club, Seminars are conducted every week, Pedagogy has been introduced to discuss important and relevant topics.
- All fourth term students are thought doctor patient relationship through role plays, Third term students are given lecture on creativity in medicine.
- Piloting of Whats app based instructional methods in Family Health Advisory Survey to 4th term MBBS students. Participatory Learning for Action strategy for village survey for Undergraduate students.

JSS College of Pharmacy, Mysore
- Simulation Laboratory for Pharmacy Practice Students
- Webinars and teleconferences
- Guest lectures
- Practice school
- Innovative teaching pedagogies like mind mapping, quizlet, flashcards are used for teaching and learning to enhance the active learning and make learning an enjoyable experience for our students.

Academic audit: Apart from ISO academic and administrative audit, JSSU introduced academic audit with objective of reviewing/supervising the academic standards of constituent colleges and departments of university.

JSS College of Pharmacy, Ooty
- ➢ 'Integrated Teaching' has been introduced to give a comprehensive exposure to the students on selected topics (viz. Cardiovascular diseases, Renal diseases) through module teaching of these concepts for the subjects: Pathophysiology, Pharmacology and Pharmacotherapeutics. This modular teaching was followed by case presentations by students and the same was evaluated by physicians, nurses and the respective teachers.

- ➢ 'Mind Mapping' has been done on various topics to summarize the vital points of a particular topic through active participation of the students.

- ➢ 'Simulation Labs' activities have been strengthened to the Pharm.D. students to improve their skills towards various pharmaceutical care services. A mock community pharmacy has been set up and the simulation lab activities were recorded digitally. Then, the teacher used to replay video to assess the activities and discuss with the students.

6.3.3 Examination and Evaluation

- The examination and evaluation process of the university is designed within the framework of the guidelines stipulated by the respective apex bodies, after discussion in several boards of studies. The evaluation process so designed is approved by the Academic Council and ratified by the Board of Management.
- Objective Structured Clinical Examinations (OSCE) has been introduced to the V year Pharm.D. students as a part of their formative assessments. Two such examinations were conducted in the academic year 2015-16 and the average marks had been included in their internal assessment marks. Prior to that, workshops, orientation sessions and mock examination was conducted to familiarize the concept among the teachers and students.
- Online MCQ tests have been introduced through the learning management system portals 'JSSUONLINE' and 'E-LEARN'.
- The clinical pharmacy activities of the Pharm.D internship students were documented and evaluated through a log book. In the last quarter of academic year 2015-16, i.e., from April 2016 to June, 2016, a web based documentation and evaluation software, 'PharmAcadmic' one of the widely used software by the universities at United States has been subscribed and used. The same will be continued in the academic year 2016-17
- A feedback from the external examiners & students is taken on the examination pattern and analyzed. The suggestions are passed on to the members of BOS and academic council.
- OSPE and MCQs added to formative assessment for MBBS Course
- Open book test to improve writing skills for BSc Allied Health Sciences courses
- Analysis of university anatomy question paper to improve quality and rectify item writing flaws
- Feedback taken from External examiners and students regarding the examination for both UG and PG courses
- Monthly Internal Assessment for PG's
- Quarterly Refresher Curriculum(Exam oriented)
- Topic wise & monthly theory exams are conducted with double valuation for MBBS course

6.3.4 Research & Development

- Publication policy, Antiplagiarism policy and patent policy are introduced from this academic year to bring quality publication, innovative and patentable research in the institution.
- The 15th PAC Meeting in Health Sciences of the Department of Science & technology (DST) was hosted by JSS Medical College from the 28th to 30th of June, 2015.
- Two days workshop on Basics of Research Methodology and statistical analysis using SPSS was conducted and 30 faculty members across Medical and Dental College participated.
- There is a regular sensitization of faculty to submit research proposals for different funding agencies.
- Industry sponsored research projects have been carried out at PG and Ph.D. levels.
- The MSc course curriculum is designed to involve extensive research exposure to students. To promote the research acumen in students, generous funds were released to faculty members towards purchase of chemicals to support semester project for these students.
- Additionally, for the first time, UG students were also encouraged to carry out research and this year saw the participation of UG students in research activity during the summer break.
- The faculty are encouraged to participate in National & International conferences by providing TA/DA and conference registration fees if they are presenting a paper.
- **Research Coordination Committee** (RCC) is constituted in the institution to initiate, conduct and monitor research activity.
- Establishment of MoU with
    - National and international universities
    - Research organisations and
    - Pharma Industries

6.3.5 Library, ICT and physical infrastructure / instrumentation

- **Library information system**: Realizing the importance of strong and active learning resources, the university as allocated 5% of the budget annually for the procurement of new titles and subscription of databases and journals. The strengthening of library infrastructure in terms of ICT enablement is a continuous process in the institution plans.
- **JSSU Online:** The web based educational portal is introduced to the benefit of our students. This is an effort to support active learning and pedagogical innovations to learning an enjoyable experience for our students. It is a Cloud based IT framework called JSSU Online through which we are now able to deliver our Educational resources to students anywhere and anytime on any computing device. This portal envisaged to provide a host of capabilities around educational resource delivery in a phased manner as part of our IT Roadmap.
- The libraries provide for a range of study spaces from a noisy open group study at one end to the single silent open and close study space at the other end. All libraries have ensured access to very large no. of computer stations and study spaces. All libraries provide OPAC facility to the users of the library.
- In addition to Internet/Online facilities in Library, desk top access in various departments and multi-user access at Central Computer Unit also have been set up.
- The departments and the library reading areas have Wi-Fi connectivity.
- Students having laptop and smart phones browse in the lounge areas of the library
- The software 'PharmAcademic' has been subscribed for the documentation and evaluation of clinical pharmacy activities of Pharm.D. interns and clerkship students.

6.3.6 Human Resource Management

The establishment section of the University monitors and co-ordinates with the establishment section of each constituent colleges

The revised Performance Based Appraisal System (PBAS) and career Advancement Scheme (CAS) have been introduced based on the guidelines of the UGC and recommendations of the IQAC which are used for career advancement and general assessment of the performance of the faculty. The minimum scores as prescribed by UGC for career advancement are implemented to ensure recognition of faculty.

There has been a shift to e-governance mode and the entire leave management system has been made online. All faculty details are maintained online including their research profile. An online PBAS is being created which will be directly available to the faculty. E-tapaal facility is also being introduced to facilitate e-governance

6.3.7 Faculty and Staff recruitment

The university has laid down norms for the recruitment of teaching and non-teaching staff as per the norms of the statutory bodies. The recruitment is by open advertisement and the selection is by the selection committee constituted based on the university bye-laws and UGC guidelines. The vacancies are as determined by requirements as prescribed by various governing authorities like MCI, DCI, PCI, UGC and as well as the workload of individual departments.

Reputed faculty with academic and research experience are appointed for supernumerary posts in some departments to encourage research and academics. Vacancies are advertised in leading English & Kannada newspapers and all attempts are made to fill in vacancies if any.

The university also encourages faculty participation in continuing education programmes as well as various national and international training programs, workshops and conferences. Skill development programs are mandatory for the non-teaching faculty of the university.

6.3.8 Industry Interaction / Collaboration

The strong national and international linkage with the industry and institutions has fostered the culture of providing consultancy to the industry and also national scientific organizations. The constituent colleges individually and collectively have provided consultancy at national and International levels in the following broad areas:
i. Multicentric Global Clinical Trials
ii. Bioequivalence & Bioavailability of studies of new drugs
iii. Drug discovery and drug development
iv. Testing of drugs and pharmaceuticals
v. Development of products and documentation system
vi. Safety and toxicity studies
vii.Consultancies in all dental care needs for the school children and development of new formulations

Such linkages have also promoted front-line research activities of the constituent colleges of the university. By having access to advanced and sophisticated equipments and data bases for literature survey for acquisition of precise and accurate data from the linkages organizations collaborative research has been nurtured resulting in national and international publications, patents, submission of joint projects and placement. For example, the collaboration with Philips Healthcare division of Bangalore has resulted in establishment of a neonates care section using CPAP and chest splint under the department of Pediatrics.

There has also been a formation of the Industry Institution Interaction Cell (IIIC) which facilitates guest lectures by industry experts, students training, etc.

6.3.9 Admission of Students

Admission of students to different courses is as per the prescribed norms of UGC, MCI, DCI, PCI, etc. The intake of students for the MBBS and PG courses in JSS Medical College is based on the merit rank secured at the National Eligibility cum entrance test (NEET). The NEET-UG is conducted by the Central Board of Secondary Education (CBSE) and NEET-PG is conducted by the National Board of Examinations (NBE)

Admission of the Dental and Pharmacy courses is through a merit process based on the NEET ranking of the student. The selection of students for all other courses offered by the University is on the basis of the rank list prepared by the University based on the sum total of aggregate percentage of marks in undergraduate course, admission test score and group discussion and admission interview.

A separate admissions cell in the university coordinates the admission of students for various courses and henceforth all applications are being received online

6.5 Total corpus fund generated   500 Lakhs

6.6 Whether annual financial audit has been done   √ Yes   ☐ No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External committee consisting of recognized experts from various disciplines conduct academic audit periodically apart from MCI, DCI, PCI, ISO, NBA, AICTE, NABL, NABH & ACPE	Yes	Director (Academics), JSS University along with the principal and IQAC members conduct internal audits
Administrative	Yes	M/S Madhavan & Co. Chartered Accounts	Yes	Director of Accounts and Audit, JSS Mahavidyappetha

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

For UG Programmes   Yes √   No ☐

For PG Programmes   Yes √   No ☐

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

The individual department/institution proposes reforms to the Academic Council of the University with recommendations of the concerned/respective board of studies (BOS). The Academic Council places the recommendations to the Board of Management which is then communicated to the Controller of examinations.

Examples of major reforms made in the last academic year include

- Conduct of supplementary exams for 1st MBBS students within 60 days of announcement of the results which will allow failed candidates to appear and clear the subjects and join the regular batch thus avoiding the loss of a term (six months)
- Prefixed examination schedule for all courses offered by the University
- The practical marks of the University exams are being uploaded through online portal in front of the external and internal examiners. This shortens the time required for the announcement of results.
- All PhD thesis are being submitted to Shodhganga@INFLIBNET portal and the examination section has a licensed version of turnitin software and all PhD thesis are scrutinized for Plagiarism before uploading into the national portal

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

The institution and its leadership are defined within the university structure. The university and institution policies and procedures clearly define respective authority and responsibility. The university and institution leadership collaborate to secure adequate human, physical, technological, educational, and financial resources to maintain and advance the program. The institution contributes to the activities and governance of the university. The following mechanisms provide for autonomy of the institutions

- The Governing body for individual college comprising of representatives from University decide the strategic plan and requirements of the institutions
- The Board of Studies (BOS) at each institutional level is empowered to recommend syllabus/curriculum changes or changes to the evaluation/assessment methods
- The Deans/Principals of the individual colleges are members of the Board of Management (BOM), the highest decision making body where they can raise their concern.
- Constituent colleges Principals/Senior faculty are members of academic council, planning and monitoring board, library committee, hostel committee, research co-ordination council, hostel committee, IQAC and many others wherein they can raise concerns pertaining to individual institutions
- The Deans/Principals also have autonomy on starting of new courses and academic activities

Further it is expected that academic staff of the college will have the responsibility and opportunity to suggest the changes to any and all of these policies, as the need arises, through the established mechanisms of faculty meetings, academic council meetings and retreats.

6.11 Activities and support from the Alumni Association

- Each constituent college has a registered alumni association with a calendar of events for alumni association.
- To bring all the individual alumni associations under one umbrella, the JSS University has opened a portal available at http://www.jssuni.edu.in/alumni/ to enable all alumni to register online and a database can be created
- The alumni association also has generated a corpus fund to be used for the benefit of the institution
- The alumni association also plays a vital role in providing feedback to the parent institutions. The alumni also take pride in being a part of the programmes organized by the alma mater or parent department from which the student graduated or post graduated.
- Most of the alumni have a strong attachment to their parent organization and have taken up academic positions at their alma mater

6.12 Activities and support from the Parent – Teacher Association

- The constituent colleges of the University have their Parent – Teacher Associations wherein most of the local student's parents contribute a major part due to ease of accessibility.
- The mentorship programme also has strengthened the PTA as the teachers communicate more frequently with parents regarding their student's progress
- The PTA also allows for participation of parents in the cultural and literary activities of the institution.
- The parents are also encouraged to give feedback on the educational process, infrastructure, faculty and hostel facilities and the feedback is used for constant up-gradation of facilities

6.13 Development programmes for support staff

- An awareness programme was conducted for the support staff on the benefits of Employees State Insurance (ESI) scheme which is a social security and health insurance scheme
- A training programme was organized on the use of JSSUONLINE portal
- Training programme on tally was organized for the benefit of all office and support staff
- A one day personality development camp was organized for all the non teaching staff of the University and constituent colleges
- A one day programme on soft skills was organized for non-teaching staff

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

Energy conservation and use of renewable energy: Conscious of the conservation of energy requirement, the following measures have been taken to ensure energy conservation.

- All light fittings have been fitted with energy efficient tube fittings and light sources like CFL and LED bulbs
- Energy consuming (heating as well as cooling) equipment's are supported with the use of solar energy and air source heat pumps rather than using the conventional electricity.
- The buildings in the campus have been constructed to ensure adequate normal lighting and ventilation to reduce the energy requirement to bare minimum.
- The hostel heating systems for use of hot water in the bath rooms and generation of steam for cooking and emergency lighting requirement are supported by solar energy and air source heat pumps. The campus lighting is planned/being planned so that solar energy supported lighting installations can be used for lighting up during the nights.
- To avoid use of LPG, installation of solar cooking is being installed in the boys and girls hostel to conserve use of LPG
- The implementation of MIS has reduced the consumption of paper. All the staff have been provided with official email ID's and most of the communication is through mails.
- Green Campus Initiative – The students plant saplings in the campus to keep the campus green and provide with useful medicinal plants

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.

Innovative programs started:
- PG diploma in Medical devices
- M Pharm in Cosmeceutics
- Credit Based Semester system for B.Pharm programme

Infrastructure development
- Renovation of auditorium
- Up gradation of Cosmeceutics and quality assurance laboratory for PG program
- Pharmacy practice department located at JSS hospital is equipped with the following
  - 36 work stations for the Pharm D interns
  - 20 computer systems with LAN connections, WiFi and CCTV camera
- Renovation of girls hostel

Teaching learning process:
- Introduction of horizontal integration of teaching
- Implementation of active learning techniques(Mind mapping, Flash cards, Quizlet) in theory and tutorial classes
- Implementation of OSPE/OSCE in regular and practical examinations
- eCTD software for electronic submission for M Pharm RA program
- Simulation training for introductory pharmacy practice experiences (IPPE) students
- Community exposures to IPPE students
- Inter professional education with Medical and Nursing Discipline
- Implementation of Online learning management system –Pharm academic
- Implementation of Pharmaceutical care policy at JSS Hospital, Mysore
- Basic life support (BLS) and Advanced cardiac life support training as per ACPE

Student services:
- Organized placement recruitment week
- JSSU online webportal is created for eff+-7ective student learning management(www.jssuonline.com)
- Created alumni portal network (http://alumni.jsspharma.org/)
- Student exchange program

Governance:
- Strategic plan for 2016-2020 have been formulated for the constituent colleges with the following directions

Medical College - MANTRA (Medical care with compassion, Academic Excellence, Nurturing student quality, Technology driven education and care, Research and innovations, Achieve continuous and lifelong learning)

Pharmacy Colleges - SMART (**S**tudent quality, **M**otivation, **A**cademic excellence, **R**esearch & innovations and **T**echnology)

Pharmacy practice: Added more Experiential site, clinical services

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

Action Taken Report

- Formation of Policies for Academic Integrity, Anti-Plagiarism policy, Publications and Patents Policy & IT Policy for JSS University
- Revision of strategic plan 2016-2020 with Key Performance Indicators for all the constituent colleges
- Infrastructure upgradation with construction of a new Guest house with 36 rooms within campus, renovation of oral medicine and orthodontics department of dental college, Pharmacy practice Department at JSS College of Pharmacy, Mysore and library and toilet facilities at JSS medical college.
- Formation of campus maintenance committee to oversee the developmental activities of the campus.
- NEW CAMPUS - About 101 acres of land has been acquired by JSS University at Varuna Hobli, Mysore district for development of new University campus. Proposals have been submitted by architects for the development of the campus.
- NIRF Rankings - JSS University has been ranked at 35th Place in National Institutional Ranking Framework 2016 Rankings in the overall category. The JSS College of Pharmacy, Ooty was ranked at 9th Place and JSS College of Pharamcy, Mysore was ranked at 10th Place in the Pharmacy colleges in India.
- ACPE Re-accreditation - The PharmD Program has been reaccredited by ACPE. JSS University is the seond university outside the USA to be accredited by ACPE accreditation for its Pharmacy programs.
- NABL Accreditation for Drug Testing Laboratory has been obtained for a period of two years.
- Two staff development programs (Quality Improvement Program – QIP) were conducted with the support of AICTE, New Delhi.
- MoU signed with M/s. Global Hospitals, Chennai
- The online portals 'JSSUONLINE' and E-LEARN' have been developed and launched to support ICT enabled teaching and learning.
- Objective Structured Clinical Examination (OSCE) has been successfully implemented in the formative examinations.
- Auditorium at JSS College of Pharmacy, Mysore has been renovated
- Renovation of Cosmeceutics and Quality Assurance laboratory completed and instruments are procured for cell biology lab
- Introduced credit based semester system (CBCS) for B.Pharm programme.
- Starting of DM (Nephrology) Course at JSS Medical College
- New PG diploma program in Medical Devices has been started
- The JSS Dental College has been recertified with ISO 9001:2008 for a period of 3 years from 2014-17
- MoU with LaTrobe University, Australia for student exchange has been extended and a joint PhD program is being offered at JSS University for which LaTrobe University has extended support of 2.5 crores as scholarship for PhD scholars.

- Faculty development programmes have been organized by CCLPE and MEU
- University had received 23 project proposals from University Departments and Constituent Colleges out of which 14 from Faculty and 9 from PG students were recommended. The committee sanctioned amount of Rs. 3,75,600.00 for the proposals
- Joint interdisciplinary projects involving various departments across institutions have been submitted to various funding agencies for consideration
- The 67th Indian Pharmaceutical Congress was held from 19th to 21st of December, 2015 at JSS University Campus which was attended by over 8000 delegates

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

Annexure iii

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

7.4 Contribution to environmental awareness / protection

- Swachh Bharat Abhiyan Initiative – The NSS Units of constituent colleges are regularly conducting programmes under the swachh bharat Abhiyan for which the efforts have been appreciated in the media as well as by the public
- Conduct of environmental awareness and wildlife protection programmes during NSS special camps held at tribal villages and rural areas
- Promotion of use of CFL lamps in the campus
- "Green Campus" initiative involving students involvement in cleaning of campus and plantation of saplings
- Presentation of saplings instead of garlands and bouquets at CME's and Conferences
- E-TAPAAL - Through JSSUONLINE and E-TAPAAL has been introduced wherein all communication can be made to the faculty electronically reducing paper prints.
- Tree plantation at funeral homes

7.5 Whether environmental audit was conducted?   Yes ☐   No √

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

Strengths:
- The University achieved the rank 35 out of 233 Universities across India, by the National Institutional Ranking Framework (NIRF) released by Govt. of India in 4th April 2016. It has been ranked among the top 5 Health Science Universities in the ranking.
- The Two Constituent Pharmacy colleges have been ranked 9th and 10th amongst all Pharmacy colleges in India
- An excellent super speciality Hospital with quality health care at an affordable cost.
- Increasing trend of student preference with higher rank students preferring our university.
- Extracurricular and co-curricular activities are expanded and encouraged.
- Enhanced research output through PhD and grants.
- Student support mechanism.
- Outreach programs with high societal impact
- Green campus.

Weakness:
- Hostel facilities – not to the need of current students.
- Limited Indoor and Outdoor sports facilities both for faculty and students.
- Lack of exemplary innovations.
- Individual recognition and motivation of faculties in all dimensions is insufficient.
- Involvement of students in decision making process is inadequate

Opportunities:
- The opportunity to enlarge staff expertise in order to increase the range of academic and research activities.
- Willingness of the faculty to undergo training and development.
- Involvement of alumni in the activities and updating the news and events.

Threats:
- Attrition of good faculty.
- Unforeseen changes in work ethics due to cross cultural behaviour.
- Sustainability of clinical services at the hospital due to financial over burden.

8. **Plans of institution for next year**

- The university plans to start development of the Varuna campus and shift some facilities to the new campus
- Starting of new courses/expansion of existing courses
- To establish a audio visual studio to record the video lecture of the faculty members
- To organize an International Conference on the Healthcare and Pharmacy
- Strengthening the digital library with more resources and open access to the students
- To introduce credit based semester scheme for M Pharm
- To introduce residency program in oncology pharmacy
- Vertical mentorship for assessing students' academic performance
- Renovation of Pharmacology UG and PG Lab with facility for cell culture studies
- Renovation of Gallery Hall
- Short term Industrial training to faculty members
- To start new certificate and PG diploma programmes in healthcare

Name Dr. Prashant Vishwanath   *Name Dr. B. Suresh*

_____   _____

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

_____***_____

List of Annexures

Annexure I: IQAC Calendar of events

Annexure II: Feedback Analysis

Annexure III: Best Practices

Abbreviations:

ACPE	-	Accreditation Council for Pharmacy Education
CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CCLPE	-	Centre for continuous and life-long learning for Professional excellence
CE	-	Centre for Excellence
COMEDK	-	Consortium of Medical, Engineering & Dental colleges of Karnataka
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DBT	-	Department of Biotechnology
DCI	-	Dental Council of India
DPE	-	Department with Potential for Excellence
DST	-	Department of Science and Technology
GATE	-	Graduate Aptitude Test
ICMR	-	Indian Council of Medical Research
JSSU	-	JSS University
MEU	-	Medical Education Unit
MCI	-	Medical Council of India
NAAC	-	National Assessment & Accreditation Council
NET	-	National Eligibility Test
NLM	-	National Library of Medicine
PBAS	-	Performance Based Appraisal System

PCI	-	Pharmacy Council of India
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TCS	-	TATA Consultancy Services
TEI	-	Teacher Education Institution
UGC	-	University Grants Commission
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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