



## COMPENDIUM ON SDG 8

# DECENT WORK AND ECONOMIC GROWTH



Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

## Introduction

India can forge its growth path, relying on manufacturing and services as a growth escalator and employment generator. The challenge will be to create well-paying and productive jobs in non-farm sectors that can absorb more unskilled workers, including women and rural areas. As of today, labor-intensive manufacturing has not driven productivity growth and job creation. The sectors that have made productivity gains have been skill-intensive. Almost half the labor force in India still works in the agricultural industry. With low productivity, it is challenging to promote gainful employment in agriculture. Enhancing agricultural productivity through public investment and new technologies should be a priority focus area.

Moreover, upgrading to high-value commodities, reforming agricultural marketing policies and market interventions, and strengthening linkages to agri-businesses are critical areas ripe for government intervention. Increasing the labor force participation of women is a powerful tool to empower women and steer economic growth itself. As reported by the McKinsey Global Institute (2015), if India increases its female labor force participation rate by ten percentage points by 2025, its GDP could rise by as much as 16 percent compared to the business-as-usual scenario. India's desired transition to a green economy will significantly impact job skill requirements within sectors, occupational profiles, and business operations. Labor market and skill policies can play an essential role in maximizing the benefits of economic greening for workers.

Furthermore, The circular economy is gaining increasing attention as a strategy for long-term prosperity and sustainability. India's engineering workforce, its rapidly developing engineering services, R&D expertise, and its geo-position in South Asia position it as a potential global hub for frugal manufacturing and services. Additionally, the fourth industrial revolution is both an opportunity and a challenge for India. The government's National Skill Development Mission, Deendayal Upadhyaya Antodaya Yojana, Atal Innovation Mission, the National Service Scheme, and the Mahatma Gandhi National Rural Employment Guarantee Scheme are flagship programs aimed at bringing decent work to all.



## Activities supporting SDG 8

### **Patient care and investigational details at JSS Hospital and Peripheral health units contributing to economic growth**

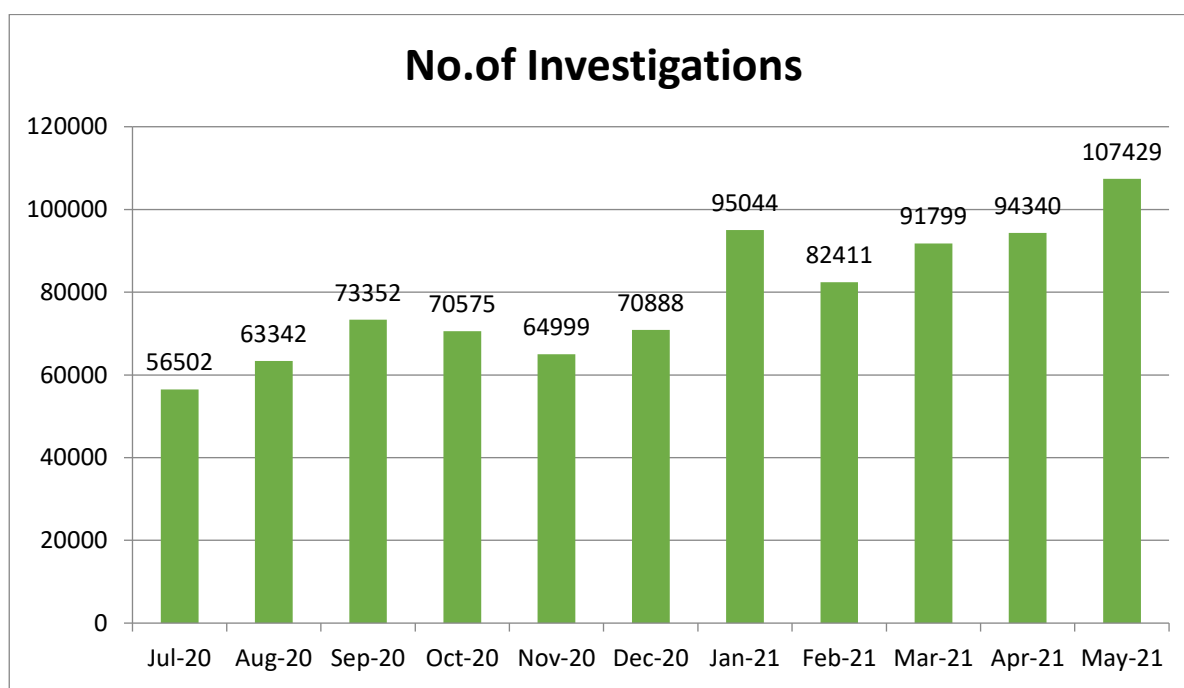
#### Anatomy

##### **Genetic counseling**

A total of 176 old and 131 new genetic counseling cases were attended last year by the Genetic counseling center and center for rare disease registry at JSS Hospital, Mysuru.

#### Biochemistry

The Clinical Biochemistry Laboratory, JSS Hospital, is accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL), Board of Quality Council of India.



#### Pathology

Category	Number
Haematology	7,92,373
Clinical Pathology	1,85,781
Cytology	2767
Histopathology	7494
Blood bank	89353

## Microbiology

Section	Numbers
Bacteriology	20921
Parasitology	2851
Mycology	2925
Microscopy	5575
Serology - General	4907
Serology - Immunology	5450
Serology - Virology	59782
Total	102412

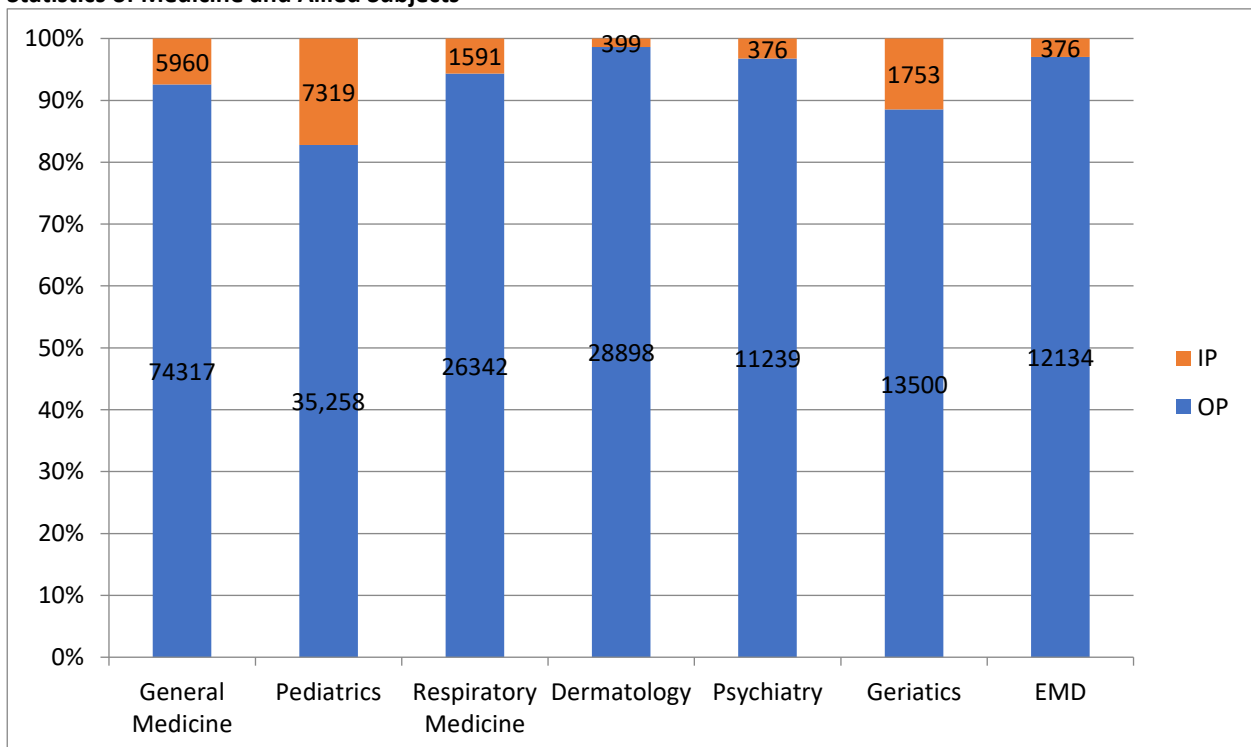
## Comm. Medicine

A total of 2223 patients visited JSS Urban Health center, Medar Block, Bamboo Bazaar, Mysuru for various ailments and treatment. The patients who required the additional care were referred to JSS Hospital for further consideration and management.

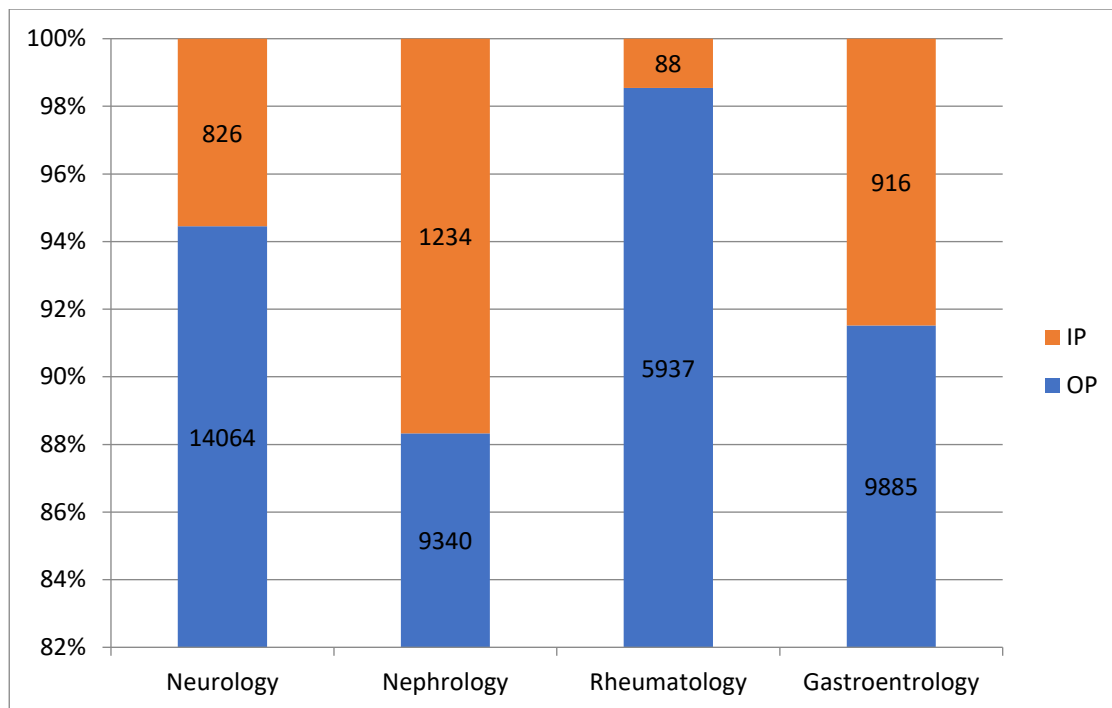
## Forensic Medicine

A total of 65 forensic consultations were undertaken by the Department of Forensic Medicine and Toxicology, which include autopsy, expert witness at courts, and attending of medico-legal cases

## Statistics of Medicine and Allied Subjects



**Medical Super specialties**

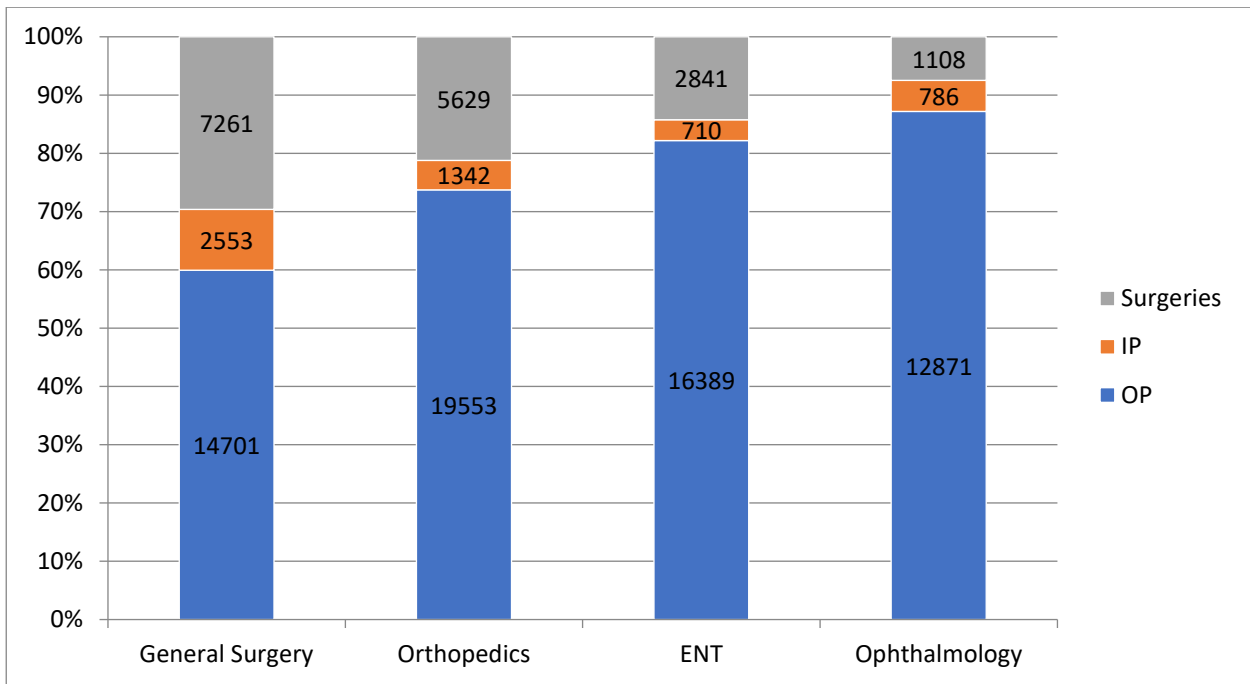


19097 dialysis and 04 renal transplants were performed at JSS Hospital

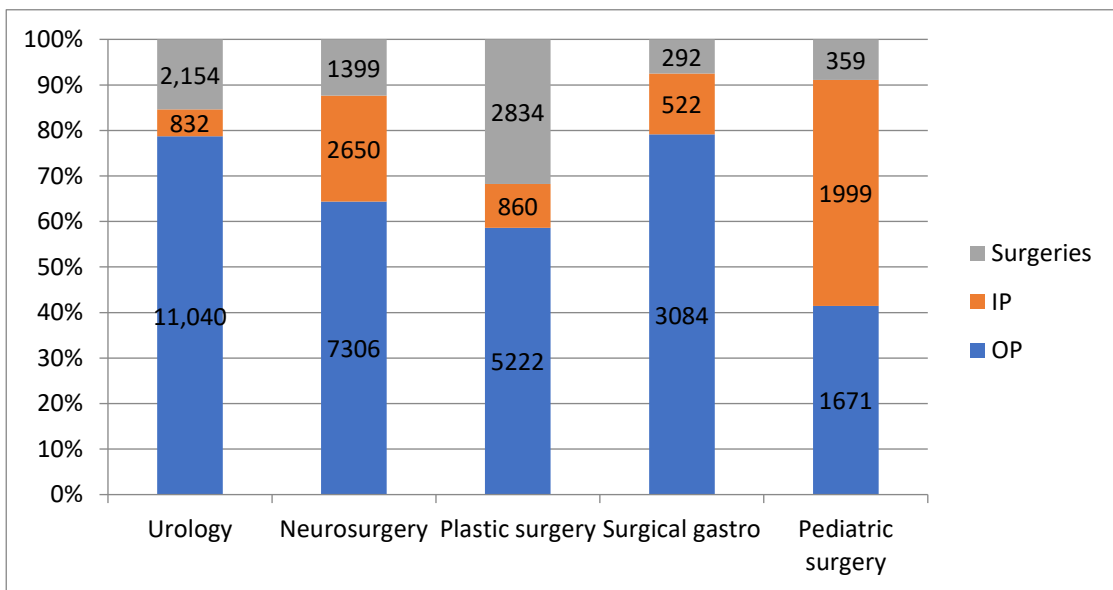
**Cardiology**

Category	Numbers
OP	9040
DIAGNOSTICS	380
INTERVENTIONS	263
Echo	16791
TMT	964
ECG	3031
HOLTER	103
ABPM	14

**Surgery and applied subjects**



**Surgical super specialties**



**C.T.V.S.**

Category	Number
OPD	3534
Open Heart surgery	28
Others	786

## **Research Projects**

### Economic Outcome from ONGOING EXTERNAL FUNDED RESEARCH PROJECTS - CONSOLIDATED REPORT

Project details	Numbers	Sanctioned Funds	Released amount
External funded Projects	31	11,01,09,343.00	10,03,54,351.00
Vaccine Trials	7	3,74,16,089.00	3,74,16,089.00
International funded Projects	5	4,90,48,800.00	4,65,89,145.00
ICMR – STS	17	4,25,000.00	4,25,000.00
JSS AHER funded Projects for Staffs	26	13,92,500.00	13,92,500.00
JSS AHER funded projects for PGs & Ph.D. Scholars	20	5,08,200.00	5,08,200.00
JSS AHER funded Projects for UG students	15	1,50,000.00	1,50,000.00
<b>Total</b>	<b>119</b>	<b>20,65,42,843.00</b>	<b>15,82,05,694.00</b>

## **FELLOWSHIPS GRANTED FROM FUNDING AGENCIES**

Department	No. of fellowships	Funding Agency	Amount in Rs.
Biochemistry	9	ICMR – 6	59,44,365.00
		The University of California, Berkeley, USA – 1	2,60,000.00
		KSTA – 2	56,000.00
		<b>Total Rs.</b>	<b>62,60,365.00</b>

## **Special Interest Group (SIG)**

Leader	Department	Project title	Sanctioned amount	Released amount
Dr.PA Mahesh	Respiratory Medicine-1	Respiratory and Environmental Diseases	3,00,000.00	2,40,689.00
Dr.MVSST Subba Rao	Biochemistry-1	Cancer Biology and cancer Stem Cells	3,00,000.00	2,47,843.00
Dr.Akila Prashant	Biochemistry-1	Human Genomics and Rare Disorders	3,00,000.00	1,98,046.00
Dr.Prathibha Pariera	Geriatrics-1	Comprehensive Geriatric Care	3,00,000.00	1,45,695.00

Dr.H.Basavana Gowdappa	General Medicine-2	Public Health	3,00,000.00	1,00,000.00
		Patient Care Management	3,00,000.00	50,000.00
		Total Rs.	18,00,000.00	9,82,273.00

## Clinical Trials

Clinical Trial No.	Clinical Trial name
CTC-115	Biological E-Ltd
CTC-89	JSS Medical Research India Pvt Ltd-TDAP
CTC-107	CBCC Global Research Ltd
CTC-108	Serum Institute-HEXA
CTC-064	CBCI Society for Medical Education
CTC-106	Astrazenca
CTC-96	Skaray Technology
CTC-64	The International Poly Cap Study (TIPS-3)
CTC-87	Klineria global services
CTC-93	Cliantha Research Limited
CTC-94	Renalyx Health Systems Pvt. Ltd, Bangalore
CTC-97	Biological E Limited
CTC-98	Norwich Clinical Services Pvt.Ltd, Bangalore
CTC-101	IQVIA RDS INDIA PVT.LTD. (Kowa Research Institute, Inc)
CTC-103	SYNEOS HEALTH UK LIMITED
CTC-104	Biological Limited
CTC-105	Syneous Health UK Ltd
CTC- 111	Indian Immunologicals Limited, Hyderabad
CTC-114	Lambda Therapeutic Research Ltd.



## PROMOTIONS OF FACULTY MEMBERS

Sl. No.	Name & Designation	Department	Promoted as	w.e.f.
1	Dr.Abhijith D. Sr.Resident	Biochemistry	Asst.Prof.	06.02.2021
2	Dr.Shobha C.R. Sr.Resident	Biochemistry	Asst.Prof.	06.02.2021
3	Dr.Namratha Sr.Resident	Pathology	Asst.Prof.	10.02.2021
4	Dr.Soumya Rajshekar Patil Sr.Resident	OBG	Asst.Prof.	08.02.2021
5	Dr.Raksha Manjunath Sr.Resident	OBG	Asst.Prof.	08.02.2021
6	Dr.Bindumalini Sr.Resident	Ophthalmology	Asst.Prof.	01.02.2021
7	Dr.Darshan S.M. Sr.Resident	Ophthalmology	Asst.Prof.	08.02.2021
8	Dr.Roopa Sheshadri Asst.Prof.	Radiology	Asso.Prof	06.02.2021
9	Dr.Sachin P Shetty Sr.Resident	Radiology	Asst.Prof.	06.02.2021
10	Dr.Ramesh Babu Homana Javali, Asso.Prof.	Emergency Medicine	Prof. & HOD	01.02.2021
11	Dr.Madhu Srinivasarangan Asst.Prof.	Emergency Medicine	Asso.Prof.	01.02.2021
12	Dr.Girish Kumar N.M. Sr.Resident	General Surgery	Asst.Prof.	09.06.2021
13	Dr.Dilip D.K. Sr.Resident	General Surgery	Asst.Prof.	09.06.2021
14	Dr.Santhosh M.S. Sr.Resident	Orthopedics	Asst.Prof.	09.06.2021
15	Dr.Madhu B. Asso.Prof.	Community Medicine	Professor	17.06.2021

### Promotion of Faculty Member

SL NO	Name & Designation	Department	Promoted as	With effect from
1	<b>Dr.Saravana Babu</b> Asso. Professor	Pharmacology	Professor	14-07-2021
2	<b>Dr Balamuralidhara V</b> Asst. Professor	Pharmaceutics	Associate Professor	14-07-2021
3	<b>Dr Gangadharappa H V</b> Asst. Professor	Pharmaceutics	Associate Professor	14-07-2021
4	<b>Dr Venkatesh M P</b> Asst. Professor	Pharmaceutics	Associate Professor	14-07-2021

5	<b>Dr Vikas Jain</b> Asst. Professor	Pharmaceutics	Associate Professor	14-07-2021
6	<b>Dr Amit B Patil</b> Asst. Professor	Pharmaceutics	Associate Professor	14-07-2021
7	<b>Dr Prashantha Kumar B R</b> Asst.Professor	Pharma Chemistry	Associate Professor	14-07-2021
8	<b>Dr Anand Kumar Tengli</b> Asst. Professor	Pharma Chemistry	Associate Professor	14-07-2021
9	<b>Dr Chandan R S</b> Asst. Professor	Pharma Chemistry	Associate Professor	14-07-2021
10	<b>Ms Shilpa Palaksha</b> Asst.Professor	Pharmacy Practice	Associate Professor	14-07-2021
11	<b>Dr Savitha R S</b> Asst. Professor	Pharmacy Practice	Associate Professor	14-07-2021
12	<b>Dr Krishna K L</b> Asst. Professor	Pharmacology	Associate Professor	14-07-2021
13	<b>Dr Gowrav M P</b> Lecturer	Pharmaceutics	Assistant Professor	14-07-2021
14	<b>Mr Hemanth Kumar S</b> Lecturer	Pharmaceutics	Assistant Professor	14-07-2021
15	<b>Dr Umesh M</b> Lecturer	Pharmacy Practice	Assistant Professor	14-07-2021
16	<b>Dr Juny Sebastian</b> Lecturer	Pharmacy Practice	Assistant Professor	14-07-2021
17	<b>Dr Sri Harsha Chalasani</b> Lecturer	Pharmacy Practice	Assistant Professor	14-07-2021
18	<b>Ms Mahalakshmi A M</b> Lecturer	Pharmacology	Assistant Professor	14-07-2021
19	<b>Dr Paramakrishnan N</b> Lecturer	Pharmacognosy	Assistant Professor	14-07-2021

## **ADAPTING THE WORK ENVIRONMENT TO COVID – 19 PANDEMIC**

### **Pandemic Modifications**

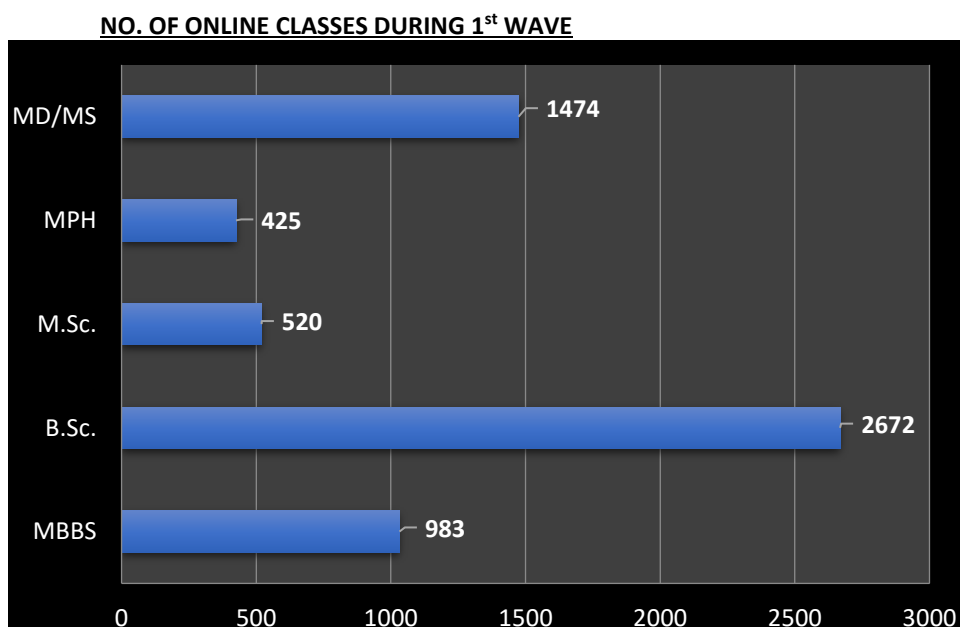
#### Report on student return & blended mode of teaching

Challenges during the covid period were taken as an opportunity at the institution. Accordingly, all staff & students were trained to use the zoom platform, conduct online classes, and share the teaching material in the JSSU portal. Even online MCQs tests were conducted through the JSSDU portal.

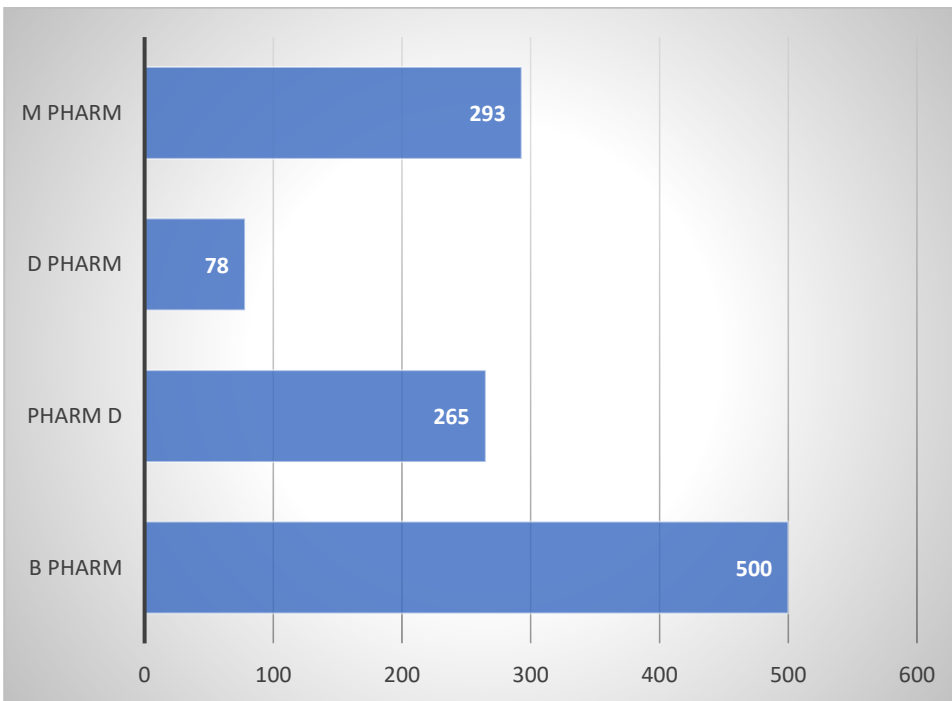
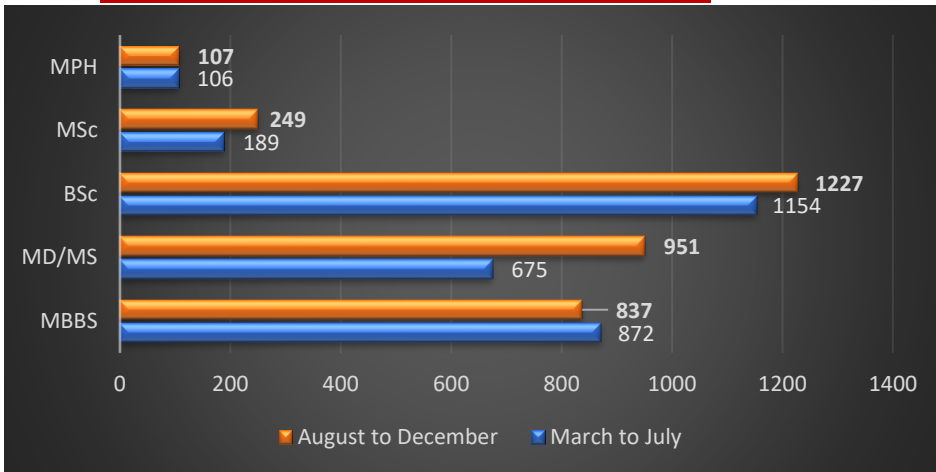
The online platform was used for delivering the following academic components

1. Theory classes – to cover the entire planned syllabus well ahead of schedule.
2. Virtual case scenarios and practical sessions were conducted to impart clinical/practical skills to the students.
3. Online MCQ tests and conventional assessment processes were done effectively and efficiently.
4. Providing teaching material and taking feedback on the online teaching as well as assessment
5. The online platform was made use of to reconnect with the students and parents
6. Induction and foundation course for new students (1<sup>st</sup> MBBS 2020-2021 batch) and AHS students was done: all the students, along with their parents, had logged in and interacted.
7. Conducted PG examinations (External examiners came online), and MCI assessment for renewal of PG seats was done with great satisfaction as expressed by the assessors.
8. Ph.D.: public viva-voce was conducted by using an online platform involving the best of the foreign faculty for the award of Ph.D.

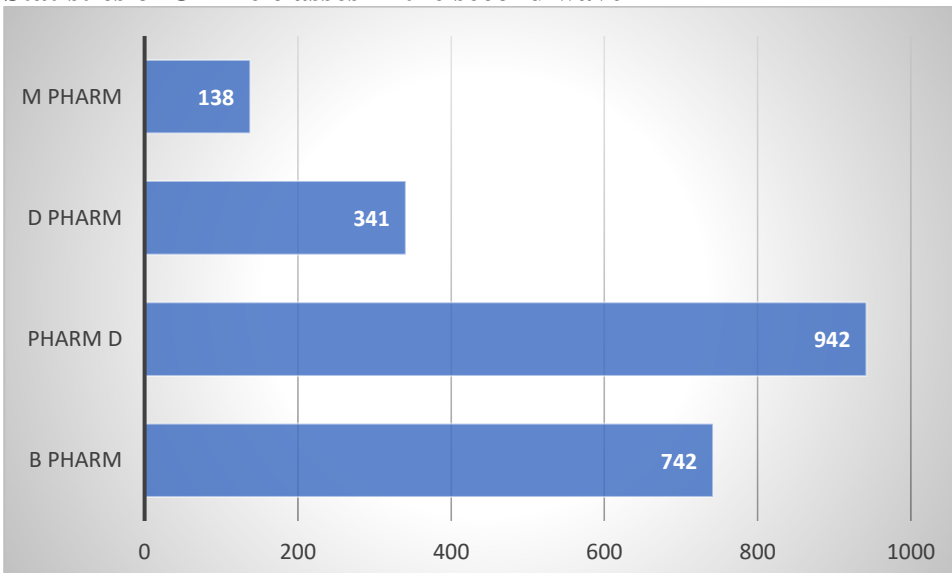
### **DETAILS OF ONLINE CLASSES IN FIRST AND SECOND WAVE OF COVID-19**



### Statistics of Online classes in the second wave



### Statistics of Online classes in the second wave



## Preparedness and execution of extraordinary work related to COVID 19 pandemic at the Institution (JSS Medical College & Hospital, Mysuru)

JSS Hospital administration conducted several meetings and brainstorming sessions to implement the COVID-19 pandemic preparedness at the hospital.

It included Infrastructure modifications, training the workforce, segregating/ zoning the areas, developing protocols, procuring all safety material required (PPE Kits, masks, gloves, face shields & sanitizers) for healthcare personnel. All the decisions were on par with the guidelines issued from time to time by MoHFW, GoK, and other statutory bodies (ICMR, MCI, and UGC).



Strategies and preparedness for COVID-19 pandemic lead by leadership down to healthcare workers

### Establishment of flu clinic for screening & triage

Flu clinic was established from the beginning, and effective screening and triage were done with appropriate safety measures to safeguard the healthcare professionals.

Covid Isolation ward and Ambulance for support of Covid patients



### Establishment of Covid Lab



## Research Projects on COVID-19

Sl. No	Title of the Project	Name of the Principal Investigator/ Mentor & Department	Sanctioned by	Grants Sanctioned (Rs.)	Duration of the Project
1	A Phase 2/3, observer-blind, randomized, controlled study to determine the safety and immunogenicity of COVISHIELD (COVID-19 vaccine) in Healthy Indian Adults	Dr.Praveen Kulkarni Asso. Professor Dept. of Comm. Medicine	ICMR (NIRT)	60,16,387/-	08 Months
2	A phase 2/3, observer-blind, randomized, controlled study to determine the safety and immunogenicity of covovax [sars-cov-2 recombinant spike protein nanoparticle vaccine (sars-cov-2 rs) with matrix-m1™ adjuvant] in Indian adults	Dr.Praveen Kulkarni Asso. Professor Dept. of Comm. Medicine	ICMR	39,60,432/-	09 Months
3	A phase 2/3, observer-blind, randomized, controlled study to determine the safety and immunogenicity of SPUTNIK-V [SARS-COVID-19 Vaccine] in Indian adults	Dr.Shilpa Averebeel C. Asst.Professor Dept. of Geriatrics	Reddy's Lab, Hyderabad	9,00,000/-	
4	BIRAC- COVID Suraksha Project	Dr.H.Basavana Gowdappa Principal & Professor of Medicine	DBT- BIRAC	176 Lakhs	1 Yr.
5	Study to evaluate the effectiveness of BCG vaccine in reducing Morbidity and Mortality in Elderly individuals in COVID-19 Hotspots in India	Dr.Pratibha Pereira Professor & HOD Dept. of Geriatrics	ICMR	69,22,270/-	09 Months
6	Effectiveness of Covaxin and Covishield vaccines against severe COVID"19in India, 2021: iMulti-centric hospital-based case-control study	Dr.Anil S Bilimale MPH Program Co-ordinator Dept. of Community Medicine	ICMR	10,95,000/-	03 Months
7	Risk factors for SARS-CoV-2 infection among healthcare workers in India: A case-control study	Dr.Anil S Bilimale MPH Program Co-ordinator Dept. of Community Medicine	Amrita Institute of Medical Sciences, Kochi, Kerala	8,30,000/-	1 Yr. 02 Months

Sl. No.	Name of the faculty / Department	Name of the project	Amount (Minor / Major) In Lakhs	Sponsoring Agency	Period From To	Status Ongoing / completed / submitted	Grants received	SDG Aligned
1	<b>Principal Investigator:</b>  Dr Vidya G Doddawad Reader, Dept. of Oral pathology  <b>Co-PI</b>	Assessing Physical and Chemical properties of saliva among tuberculosis patients on anti tuberculosis treatment – An observational study	0.40	The Tuberculosis association of India, New Delhi	3 Months	<b>Sanctioned</b>  <b>21.09.2020</b>	0.40	<b>8</b>

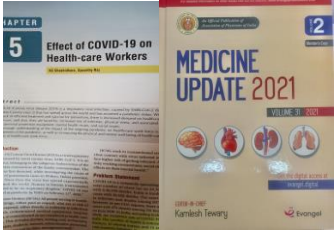


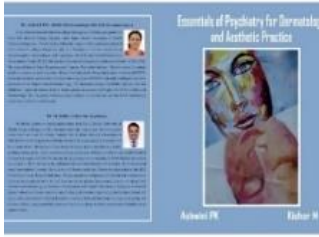
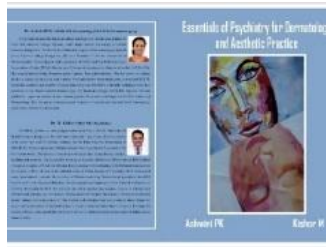
	Dr Jayaraj B S, JSSH Dr Shivananda S, JSSDCH Dr Madhu B, JSSH Dr B M Gurupadayya JSSCP Dr Vidya C S, JSSH							
2	Principal Investigator: Dr Vidya Priyadharshini D S Reader, Dept. of Periodontology Guide: Dr Ravindra S Prof., Dept. of Periodontology	To evaluate the effect of photo functionalization on secondary stability of short dental implants	0.50	ISOI Grant Committee	3 Yrs.	<b>Sanctioned 29.03.2021</b>		<b>8</b>
3	Principal Investigator: Dr Prasannasrinivas Deshpande Lecturer Dept. of Oral Medicine & Radiology	Target indicating light beam device for enhancing the positioning accuracy of intra oral x-ray machine during patient exposure-A pilot study	0.50	JSSAHER		<b>Ongoing Sanctioned on 19.10.2020</b>	0.25	<b>8</b>
4	Principal Investigator: Dr Premalatha B R Reader Dept. of Oral Pathology & Microbiology	Efficacy of complementary healing using prana in the treatment of periodontitis-A randomized controlled trial	0.50	JSSAHER		<b>Ongoing Sanctioned on 19.10.2020</b>	0.25	<b>8</b>
5	Principal Investigator: Dr Brinda S Godhi Lecturer Dept. of Paedodontics and Preventive Dentistry.	Evaluation of Antimicrobial Efficacy of Propolis against Endodontic Pathogens and its Cytotoxic activity on cell lines-in vitro study	0.50	JSSAHER		<b>Ongoing Sanctioned on 19.10.2020</b>	0.25	<b>8</b>



## Textbooks Authored or/and chapters contributed by faculty.

Biochemistry	Pathology	Comm. Medicine
<p>Puttalingaiah S, Greeshma M. V., Kuruburu M. G., Bovilla V. R., Subba Rao V. Madhunapantula.</p> <p style="text-align: center;">Title of the Chapter / Book</p> <p style="text-align: center;">Naturally occurring histone deacetylase (HDAC) inhibitors in the treatment of cancers.</p> <p>Published by In Phytomedicine and Natural Products, Edited by Namrita Lall, CRC Press, Chapter 8 – 2021</p>	<p style="text-align: center;">Dr.Nandini N M</p> <p style="text-align: center;">Title of the Chapter / Book</p> <p style="text-align: center;">Recent Concepts in Thyroid Cytology with Emphasis on Ancillary Techniques</p> <p>Published by BP International – 2021, Vol.5</p>	<p style="text-align: center;">Dr. Sunil Kumar D.</p> <p style="text-align: center;">Dr. Praveen Kulkarni</p> <p style="text-align: center;">Title of the Chapter / Book</p> <p style="text-align: center;">Climate change &amp; Health housing</p> <p style="text-align: center;">Published by</p> <p style="text-align: center;">IAPSM TB of Community Medicine (2<sup>nd</sup> Edition) – 2020</p>
Medicine		
<p style="text-align: center;">Dr.H.Basavana Gowdappa</p> <p style="text-align: center;">Title of the Chapter / Book</p> <p style="text-align: center;">Managing Dermatophytosis (Tinea infections) in Today's Scenario</p> <p style="text-align: center;">Published by</p> <p style="text-align: center;">Medicine updates – 2021</p> <p style="text-align: center;">Vol.31</p> 	<p style="text-align: center;">Dr.H.Basavana Gowdappa</p> <p style="text-align: center;">Title of the Chapter / Book</p> <p style="text-align: center;">Managing Dermatophytosis (Tinea infections) in Today's Scenario</p> <p style="text-align: center;">Published by</p> <p style="text-align: center;">Medicine updates – 2021</p> <p style="text-align: center;">Vol.31</p> 	<p style="text-align: center;">Dr.K.M.Srinath</p> <p style="text-align: center;">Title of the Chapter / Book</p> <p style="text-align: center;">Understanding the Role of Vitamin D in Diabetic Nephropathy</p> <p style="text-align: center;">Published by</p> <p style="text-align: center;">Medicine updates – 2021</p> <p style="text-align: center;">Vol.31</p> 
Medicine	Geriatrics	E.N.T.
<p style="text-align: center;">Dr.K.C.Shashidhara</p> <p style="text-align: center;">Title of the Chapter / Book</p> <p style="text-align: center;">Effect of COVID-19 on Health care Workers</p> <p style="text-align: center;">Published by</p>	<p style="text-align: center;">Dr. Prathibha Pereira</p> <p style="text-align: center;">Title of the Chapter / Book</p> <p style="text-align: center;">Ageing Care and well being</p> <p style="text-align: center;">Chapter: Mental health and the Elderly</p>	<p style="text-align: center;">Amulya Thotambailu,</p> <p style="text-align: center;">Deepu Cheriamane, Manjula Santhepete, Satheesh Kumar Bhandary, Jilu Avanippully, and Prakash Bhadravathi</p> <p style="text-align: center;">Title of the Chapter / Book</p>



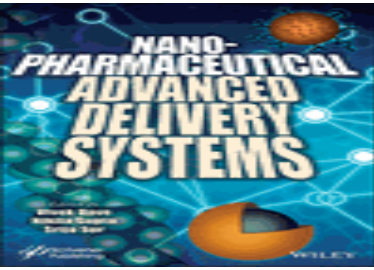

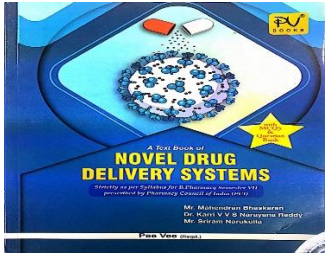
<p>Medicine updates – 2021</p> <p>Vol.31</p> 	<p>Published by</p> <p>RAWAT Publications – 2020</p> <p>ISBN No. 9788131611272</p> 	<p>Role of Pomegranate in management of cancer – A Journal Intertech Open Access Books</p> <p>Published by</p> <p>Intech open - 2021</p>
<p>Dermatology</p>	<p>Dermatology</p>	<p>Psychiatry</p>
<p>Dr.Kantharaj.G.R</p> <p>Dr.Jayadev.B.Betkerur</p> <p>Title of the Chapter / Book</p> <p>Contributed to ACSI (Association of Cutaneous Surgeons of India) Chapter 133:- Tele Dermatology consultation in Cutaneous and Esthetic Surgery</p> <p>Published by</p> <p><b>Jaypee Publisher – 2021</b></p> 	<p>Dr.Ashwini P.K.</p> <p>Title of the Chapter / Book</p> <p>Essential of Psychiatry for Dermatology and Aesthetic Practice</p> <p>Published by</p> <p>Apsara Prakashana – 2021</p> <p>ISBN No. : 978-81-948549-6-8</p> 	<p>Dr.Kishor M.</p> <p>Title of the Chapter / Book</p> <p>Essential of Psychiatry for Dermatology and Aesthetic Practice</p> <p>Published by</p> <p>Apsara Prakashana – 2021</p> <p>ISBN No. : 978-81-948549-6-8</p> 

**Textbooks Authored or/and chapters contributed by faculty**

Pharmaceutical chemistry		Pharmacognosy
Dr. T. Durai Ananda Kumar	Dr. Chandan R S	Paramakrishnan nallupillai
<b>Title of the Chapter / Book</b>		<b>Title of the Chapter / Book</b>

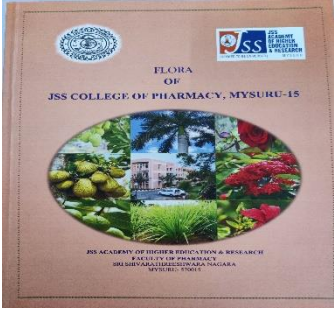
<p><b>Title of the Chapter / Book</b></p> <p>Computer-aided drug development</p> <p><b>Published by</b></p> <p>Vallabh Prakashan</p>	<p>Text book of Instrumental Methods of Analysis</p> <p><b>Published by</b></p> <p>Nirali Prakashan</p>	<p>"Therapeutic investigation of ginsenoside Rb1 and phosphor Amidon (endothelin converting enzyme inhibitor) in the zebrafish model of diabetic retinopathy/ Advances in Medicine and Biology</p> <p><b>Published by</b></p> <p>Nova Science Publishers INC., New York, USA</p>
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**Pharmaceutics**

<p>Dr. Vikas Jain</p> <p><b>Title of the Chapter / Book</b></p> <p>Lipid-Based Nanocarriers as Drug Delivery System and Its Applications/ Nanopharmaceutical Advanced Delivery Systems</p> <p><b>Published by</b></p> <p>John Wiley &amp; Sons, Inc.</p> 	<p>S. Hemanth Kumar Teja Sri Maddirala T. Shailesh M. P. Gowrav, D. V. Gowda</p> <p><b>Title of the Chapter / Book</b></p> <p>Study on Designing and Quality Aspects of Aseptic Process Simulation/ Technological Innovation in Pharmaceutical Research(vol-7)</p> <p><b>Published by</b></p> <p>B P International</p> 	<p>Mahendran B</p> <p><b>Title of the Chapter / Book</b></p> <p>A Textbook of Novel Drug Delivery Systems</p> <p><b>Published by</b></p> <p>PV Books, Jalandhar, Punjab</p> 
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<b>Pharmacology</b>	<b>Pharmacognosy</b>
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<p>Shreyas Ayachit, K.L. Krishna, Sneha Desai, Nandini HS and Seema Mehdi</p> <p><b>Title of the Chapter / Book</b></p>	<p>Desai Sneha, Krishna KL, Ayachit Shreyas, Nandini HS and Seema Mehdi</p> <p><b>Title of the Chapter / Book</b></p>	<p>Dr. J. Suresh &amp; Ms. G.Haripryia</p>
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<p>Novel Targets for Parkinson's disease, PPAR-<math>\gamma</math> Agonist could be the Future Therapeutics? / Recent Research in Pharmaceutical Sciences</p> <p><b>Published by</b> Weser Books</p>	<p>Huntington's Chorea: A Review on Pathogenesis and Biomarkers/ Recent advance in pharmaceutical sciences</p> <p><b>Published by</b> AkiNik Publications</p>	<p><b>Title of the Chapter / Book</b></p> <p>Flora of JSS College of Pharmacy, Mysuru</p> <p><b>Published by</b> JSSCPM</p> 
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<b>Pharmacy practice</b>	
<p>Panchaksharapa Gowda D.H</p> <p><b>Title of the Chapter / Book</b> Biostatistics With Its Applications to Epidemiological Study</p> <p><b>Published by</b> BSP Books Pvt. Ltd</p>	

### Faculty Submitted Projects:

Sl. No.	Name of the faculty / Department	Name of the project	Amount In Lakhs	Sponsoring Agency	Period From To	Status	Grants received	<b>SDG Aligned</b>
1.	Principal Investigator: Dr K P Mahesh Reader Dept. of Oral Medicine & Radiology	Dwiguna chakra – A innovative life saving wheel chair convertible to stretcher	10.00	BIRAC PACE Scheme	1.5 Yrs.	Submitted 29.8.2020		<b>8</b>
2.	Principal Investigator: Dr Pradeep Subbaiah Lecturer Dept. of Orthodontics	Assessing the knowledge, practice and performance of ASHA workers in Mysuru taluk during the pandemic COVID 19 – Burnout to benefit	2.05	Azim Premji University Covid-19 Research Funding programme 2020	1 Yr.	Submitted 4.9.2020		<b>8</b>

3.	<p>Principal Investigator: Dr Chandrashekar B R Prof., &amp; HOD, Dept. of Public Health Dentistry</p> <p>Co-PI: Dr Sowmya S Lecturer, Dept. of Prosthodontics and Crown &amp; Bridge</p> <p>Dr Suma S Reader, Dept. of Orthodontics &amp; Dentofacial Orthopedics</p> <p>Dr Vanitha Reddy P Asst. Prof., Dept. of Food &amp; Nutrition, Faculty of Life Sciences</p>	Effectiveness of comprehensive oral health care services in improving the oral health status, oral health related quality of life and nutritional status among geriatric population residing at old age homes of Mysuru district – A prospective study	41.96500	Foundation NAKAO, Japan	4 Yrs.	Submitted 03.12.2020	-	8
4.	<p>Principal Investigator: Dr Chandrashekar B R Prof., &amp; HOD, Dept. of Public Health Dentistry</p> <p>Co-PI: Dr Girish M S Reader, Dept. of Pedodontics &amp; Preventive Dentistry</p> <p>Dr Suma S Reader, Dept. of Orthodontics &amp; Dentofacial Orthopedics</p> <p>Dr Sushma R Lecturer, Dept. of Public Health Dentistry</p>	Comparative evaluation of sealant retention and its effectiveness in preventing dental caries in first and second permanent molars and premolars among 6-15 years old school children in tribal areas of Karnataka using four different types of sealants – A double blind split mouth randomized trial	41.030	Foundation NAKAO, Japan	4 Yrs.	Submitted 03.12.2020	-	8
5.	<p>Principal Investigator: Dr Indira M D Lecturer, Dept. of Pedodontics &amp; Preventive Dentistry</p> <p>Co-Investigator: Dr Girish M S Reader, Dept. of Pedodontics &amp; Preventive Dentistry</p>	Development and Evaluation of Electrospun Nanofiber-mat impregnated with apexification materials for treatment of immature teeth	26.33	Science and Engineering Research Board(SERB, ) New Delhi	3 Yrs.	Submitted 7.1.2021		8
6.	<p>Principal Investigator: Dr Seema Deshmukh Reader, Dept. of Pedodontics &amp; Preventive Dentistry</p>	Guided facial growth with 3D printed nasoalveolar molding appliance in cleft lip and palate affected infants and its comparison with	29.93	Science and Engineering Research Board(SERB, ) New Delhi	3 Yrs.	Submitted 9.1.2021		8

	Co-Investigator: Dr Prashanth S Reader, Dept. of Pedodontics & Preventive Dentistry  Dr Ravishankar S N Director (Research & Innovation) Accreate labs pvt. Ltd., Bangalore	conventional nasalveolar molding-A randomized controlled trial						
7.	Principal Investigator: Dr Mahesh K P Reader Dept. of Oral Medicine & Radiology	Evaluation of safety and efficacy of laser ablated copper Nano particles for oral cancer	47.00	DST-SERB		Submitted May-2021		8
8.	Principal Investigator: Dr Sanjay C J Reader Dept. of Oral Medicine & Radiology	Assessment of Oral Red patch as a diagnostic marker for vitamin B12 deficiency	29.60	DST-SERB		Submitted May-2021		8
9.	Principal Investigator: Dr Raghavendra Swamy Professor Dept. of Prosthodontics and Crown & Bridge	Current project proposed – Design and development of multifunctional super absorbent natural fibers composites for Bio- medical application.	14.00	DST-SERB		Submitted May-2021		8
10.	Principal Investigator: Dr Aruna G Lecturer Dept. of Periodontology	Effect of locally delivered melatonin as an adjunct to SRP in the treatment of Periodontitis with or without diabetes	18.25	DST-SERB		Submitted May-2021		8
11.	Principal Investigator: Dr Anitha S Reader Dept. of Periodontology	Comparative evaluation of effects of PDT versus diode laser on micro biota of endoperio lesions in type 2 diabetic patients	33.059	VGST		Submitted May-2021		8
12.	Principal Investigator: Dr Nitin V Muralidhar Reader Dept. of Orthodontics & Dentofacial Orthopedics	Audiobrush – Audio assisted innovative toothbrush for the visually challenged	12.05	DST	2 Yrs.	Submitted June-2021		8
13.	Principal Investigator: Dr Anitha Subbappa Reader Dept. of Periodontology  Co- Investigators: Dr Harsha Raj B S Lecturer Dept.of Oral & Maxillofacial Surgery	Determination of P.gingivalis and Streptococcus pyogenes incidence by RT PCR in patients with facial space infections caused by odontogenic etiology and prognosis with specific antibiotic therapy determined	0.262	JSSAHER	2 Yrs.	Submitted on 01.10.2020		8

		by antibiotic culture sensitivity					
14.	Principal Investigator: Dr Nitin V Muralidhar Reader Dept. of Orthodontics & Dentofacial Orthopedics Co- Investigators: Dr Priyanka Nitin Lecturer Dept. of Oral Pathology	Audio brush (Type-1) – Audio assisted innovative tooth brush for the visually challenged	0.50	JSSAHER	1.5 Yrs.	Submitted on 17.12.2020	8
15.	Principal Investigator: Dr Priyanka Nitin Lecturer Dept. of Oral Pathology Co- Investigators: Dr Nitin V Muralidhar Reader Dept. of Orthodontics & Dentofacial Orthopedics	Audio brush (Type-2) – Audio assisted innovative tooth brush for the visually challenged	0.50	JSSAHER	1.5 Yrs.	Submitted on 17.12.2020	8
16.	Principal Investigator: Dr Ravindra S Professor Dept. of Periodontology  Co- Investigators: Dr Nitin V Muralidhar Reader Dept. of Orthodontics & Dentofacial Orthopedics	Audio brush (Type-3) – Audio assisted innovative tooth brush for the visually challenged	0.50	JSSAHER	1.5 Yrs.	Submitted on 17.12.2020	8
17.	Principal Investigator: Dr B Nandlal Professor Dept. of Paediatrics & Preventive Dentistry	3D Enhanced devices for Dental Procedures for increasing patient and dental team safety during and post COVID-19	0.30	JSSAHER	6 Months	Submitted on 01.03.2021	8
18.	Principal Investigator: Dr Sanjay C J Reader Dept. of Oral Medicine & Radiology	Assessment of Oral Red Patch as a diagnostic marker for vitamin B12 deficiency	1.40	JSSAHER	2 Yrs.	Submitted on 15.03.2021	8
19.	Principal Investigator: Dr Vidya Priyadharshini D S Reader, Dept. of Periodontology  Guide: Dr Ravindra S Prof., Dept. of Periodontology	To evaluate the effect of photo functionalization on secondary stability of short dental implants	0.52	JSSAHER	3 Yrs.	Submitted on 05.04.2021	8
20.	Principal Investigator:	Development and commercialization	1.00	JSSAHER	1 Yr.	Submitted on	8

Dr Priyanka Nitin Lecturer Dept. of Oral Pathology	of thermochromic hand wash to combat the present COVID 19 pandemic.					30.07.2021		
Co-investigator: Dr Vishakanter Gowda Prof. & HOD, JSSCP, Mysore								

### Students Sanctioned projects

Sl. No.	Name of the faculty / Department	Title of thesis	Thesis grant In Lakh	Sponsoring Agency	Period From To	Status	Grants received	SDG Aligned
1.	Principal Investigator MrPrathikantam Raghu Pavan BDS student Guide: Dr Sreeshyla H S Lecturer, Dept. of Oral Pathology & Microbiology	Anti bacterial and anti fungal effect of trigonella focnum graelum and ferula asafoetida on oral micro biota-an in vitro microbiological assay	0.20	ICMR-STs	6 months	Sanctioned June-2020  Project ID 2020- 07249		8
2.	Principal Investigator Dr Soumee Sengupta PG Student  Guide: Dr Ganesh S Reader Dept. of Prosthodontics and Crown & Bridge	Comparative evaluation of Antimicrobial Efficacy of Red Diode Laser and 0.2% chlorhexidine against aggregatibacter actinomycetemcomitans present on implant abutments – an ex-vivo study	0.50	ICMR	1 Yr.	Sanctioned 2.9.2020		8
3.	Principal Investigator Dr Soumee Sengupta PG Student  Guide: Dr Ganesh S Reader Dept. of Prosthodontics and Crown & Bridge	Comparative evaluation of Antimicrobial Efficacy of Red Diode Laser and 0.2% chlorhexidine against aggregatibacter actinomycetemcomitans present on implant abutments – an ex-vivo study	0.35	ISOI	1 Yr.	Sanctioned 29.3.2021		8
4.	Dr Reethika K V PG Student  Guide: Dr Prashanth S Prof., Dept. of Pedodontics & Preventive Dentistry	Comparative assessment of anticariogenic efficacy of cranberry and xylitol lozenges in children	0.25	JSSAHER	3.5 months	Ongoing  Sanctioned on 19.10.2020	0.125	8
5.	Dr Kalyanam Rashmi Durga PG Student  Guide: Dr Ravindra S Prof., Dept. of Periodontology	Adjuvant use of probiotics in the management of periodontitis in diabetics: A randomized double blind clinical trial	0.25	JSSAHER	1.5 Yr.	Ongoing  Sanctioned on 19.10.2020	0.125	8
6.	Dr Tekwani Tanvi Sachhanand PG Student  Guide: Dr Sunila B S Reader, Dept. of Prosthodontics and Crown & Bridge	Comparative Evaluation of antifungal activity on oral candida by Moringa Oleifera seed Ethanolic Extract in Salivary Samples of Diabetic and Non-diabetic Edentulous subjects with complete Dentures	0.25	JSSAHER	2 Yrs.	Ongoing  Sanctioned on 19.10.2020	0.125	8

Sl. No.	Name of the faculty / Department	Title of thesis	Thesis grant In Lakh	Sponsoring Agency	Period From To	Status	Grants received	SDG Aligned
7.	Dr Akanksha Mittal PG Student  Guide: Dr Sunil Tejaswi Reader, Dept. of Conservative Dentistry & Endodontics	Comparison of antibacterial activity of calcium hydroxide, azadirachta indica (neem), Ocimum tenuifloram (Tulsi) and Punica granatum (Pomegranate) gets as intracanal medicaments against enterococcus faecalis: An invitro study	0.25	JSSAHER	7 Months	Completed 11.02.2021  Sanctioned on 19.10.2020	0.25	8
8.	Dr Minusha Grace S PG student  Guide: Dr Sheelakumar G Prof., Dept. of Periodontology	To study the association between serum immunoglobulin-G to porphyromonas gingivalis and early chronic kidney disease stages (1-3) in diabetic and non-diabetic patients with Periodontitis	0.25	JSSAHER	2 Yrs.	Ongoing  Sanctioned on 19.10.2020	0.125	8
9.	Dr Moitri Ojha PG student  Guide: Dr Sheelakumar G Prof., Dept. of Periodontology	Clinical and radiographic evaluation of Calcium phosphate-poly (lactide co-glycolide) composite graft in the regeneration of intrabony defects-A randomized controlled trial.	0.25	JSSAHER	2 Yrs.	Ongoing  Sanctioned on 19.10.2020	0.125	8
10.	Dr Shipra PG student  Guide: Dr Sheelakumar G Prof., Dept. of Periodontology	Antimicrobial photodynamic therapy using toluidine blue dye, as an adjunct to non surgical periodontal therapy in chronic periodontitis patients: A split mouth clinical trial.	0.25	JSSAHER	2 Yrs.	Ongoing  Sanctioned on 19.10.2020	0.125	8



Students Submitted projects

Sl. No.	Name of the faculty / Department	Title of thesis	Thesis grant In Lakh	Sponsoring Agency	Period From To	Status	Grants received	Grants balance
1.	<b>Principal Investigator</b> Dr Ashwini K P PG Student  <b>Guide:</b> Dr Raghavendra Shanbhog Reader Dept. of Pedodontics & Preventive Dentistry	Efficacy of self-assembling peptide P 11-4 in constructing a remineralization scaffold on incipient enamel lesions on human enamel used in combination with calcium phosphate – based remineralization compounds” In-vitro study	0.50	ICMR	6 months	<b>Submitted June-2021</b>		<b>8</b>
2.	<b>Principal Investigator</b> Dr Mirunalini Sundaravadivelu PG Student  <b>Guide:</b> Dr Chandrashekar B R Prof., HOD, Dept. of Public Health Dentistry	Evaluation of sealant retention and caries prevention on first and second premolars and molars among 6-14 years old children in orphanages of Mysuru city A split mouth double blind randomized control trial.	0.50	ICMR		<b>Submitted 22.6.2021</b>		<b>8</b>
3.	Dr Shweta Gupta PG Student  Guide: Dr Parinitha M S Reader, Dept. of Conservative Dentistry & Endodontics	Evaluation of antioxidant property of amla on bond strength and colour stability of power bleached teeth: An invitro study	0.29	JSSAHER	1 Month	<b>Submitted on 21.10.2020</b>		<b>8</b>
4.	Dr Ashique Navas K K PG Student  Guide: Dr Annapoorna B M HOD, Dept. of Conservative Dentistry & Endodontics	Comparative Evaluation of Fracture resistance of varying thickness of peri-cervical dentin (PCD) reinforced with different obturation materials-an invitro study	0.395	JSSAHER	3 Months	<b>Submitted on 4.11.2020</b>		<b>8</b>
5.	Dr Raveena P John PG Student  Guide: Dr Vinutha M Reader, Dept. of Conservative Dentistry & Endodontics	An in vitro comparative study of fluoride ion release from tooth coloured dental restorative materials using ion selective electrode and spectrophotometer	0.378	JSSAHER	3 Months	<b>Submitted on 4.11.2020</b>		<b>8</b>
6.	Dr Natasha Habid PG student  Guide: Dr Vinutha M Reader, Dept. of Conservative Dentistry & Endodontics	An in vitro evaluation of the apical sealing ability of Bio Root RCS with various core materials: A micro leakage study using Spectrophotometer	0.40	JSSAHER	3 Months	<b>Submitted on 4.11.2020</b>		<b>8</b>

7.	Dr Brindha M PG Student  Guide: Dr Parasmull G Reader, Dept. of Conservative Dentistry & Endodontics	Effect of two universal bonding agents on fracture resistance, microleakage and fluoride release in class 2 MOD cavities of maxillary premolars restored with active bioactive-an in vitro comparative study	0.40	JSSAHER	3 Months	Submitted on 25.11.2020		8
8.	Dr Contractor Inshiya Alazhar PG Student  Guide: Dr Girish M S Reader, Dept. of Paediatric & Preventive Dentistry	An in-vitro evaluation of tooth discolouration and shear bond strength of Glass ionomer cement bonded to tooth surface pre-treated with silver diamine fluoride and flutathione bio-molecule	0.25	JSSAHER	4 Months	Submitted on 25.11.2020		8
9.	Dr Arundhatee Banerjee PG Student  Guide: Dr Seema Deshmukh Reader, Dept. of Paediatric & Preventive Dentistry	An In Vitro comparative evaluation of the efficacy of green tea and chia seeds extract as intra canal irrigant on smear layer removal and its effect on the microhardness of root dentine.	0.51	JSSAHER	1 Year	Submitted on 22.02.2021		8
10.	Dr Ashwini K P PG student  Guide Dr Raghavendra Shanbhog Reader, Dept. of Paediatric & Preventive Dentistry	Efficacy of Self assembling peptide P 11-4 in constructing a remineralization scaffold on incipient enamel lesions on human enamel, used in combination with calcium phosphate based remineralization compounds: An in vitro study.	0.25	JSSAHER	2 Years	Submitted on 27.02.2021		8
11.	Dr Aiswarya Balakrishna PG Student  Guide: Dr B Nandlal HOD, Dept. of Paediatric & Preventive Dentistry	A Comparative Assessment of the efficacy of commercially available low concentration bleaching agents using quantitative light induced fluorescence in removing stains: an in vitro study	0.25	JSSAHER	1 Year	Submitted on 21.04.2021		8
12.	Dr Anusha A Joshi PG Student  Guide: Dr Raghunath N Orthodontics & Dentofacial Orthopedics	Analysis and comparison of pharyngeal airway morphology and dentoskeletal changes following mandibular advancement with functional appliances in class II malocclusion with skeletal mandibular retrognathism: A CBCT study	0.96	JSSAHER	1 Year	Submitted on 28.06.2021		8
13.	Dr Saumya Upadhyay PG Student  Guide: Dr Raghunath N Orthodontics & Dentofacial Orthopedics	A comparison of treatment effects produced by advansync and forsus fatigue resistant device in growing class II patients – An in vivo study	0.82	JSSAHER	1 Year	Submitted on 28.06.2021		8
14.	Dr Dipasha Kirthi Rao PG Student  Guide: Dr Raghunath N Orthodontics & Dentofacial Orthopedics	Assessment of orthodontic treatment needs in individuals with sleep disordered breathing	0.38365	JSSAHER	1 Year	Submitted on 28.06.2021		8

15.	Dr Shyla Dureja PG Student  Guide: Dr Raghavendraswamy Prof., Dept. of Prosthodontics and Crown & Bridge	Effect of incorporation of reduced graphene oxide nanoparticles on the mechanical properties of heat cured polymethylmethacrylate denture base resin material fabricated by conventional processing method : An in- vitro study	0.38800	JSSAHER	2 Years	Submitted on 05.07.2021	8
16.	Dr Mirunalini Sundaravadivelu PG Student  Guide: Dr Chandrashekar Prof., & HOD, Dept. of Public Health Dentistry	Effectiveness of dental health education in enhancing the knowledge, attitude and practices related to emergency management of dental trauma and tooth avulsion among ASHA workers in Mysuru district – An interventional study	0.20	JSSAHER	1 Year	Submitted on 05.07.2021	8
17.	Dr Bharath S PG student  Guide: Dr Chandrashekar Prof., & HOD, Dept. of Public Health Dentistry	Antimicrobial efficacy of essential oils of clove, neem and cinnamon on streptococcus mutans and Lactobacillus acidophilus in comparison with 0.2% chlorhexidine – An in-vitro study	0.30	JSSAHER	9 Months	Submitted on 09.07.2021	8
18.	Dr Soumee Sengupta PG Student  Guide: Dr Ganesh S Reader, Dept. of Prosthodontics and Crown & Bridge	Comparative evaluation of antibacterial efficacy of red diode laser and 0.2% chlorhexidine against aggregatibacter Actinomycetemcomitans present on implant abutments – an ex-vivo study	1.02	JSSAHER	1 Year	Submitted on 30.07.2021	8

**Economic Outcome from ONGOING EXTERNAL FUNDED RESEARCH PROJECTS -  
CONSOLIDATED REPORT (last three years)**

<b>Project details</b>	<b>Numbers</b>	<b>Sanctioned funds In Lakhs</b>
ICMR	02	69.75
DST	01	49.8
AICTE	02	31.8
DBT	01	49.58
Vision group	02	40.00
JSSAHER	04	7.85
<b>Total</b>	<b>31</b>	<b>248.68</b>

**Fellowships granted from funding agencies (2019-2021)**

<b>Department</b>	<b>No. of fellowships</b>	<b>Funding agencies</b>	<b>Amount</b>
Pharmaceutics	<b>06</b>	<b>PM fellowship</b>	<b>25,50,000.00</b>
		<b>DBT</b>	<b>10,03,200.00</b>
		<b>SERB-DST</b>	<b>10,03,200.00</b>
		<b>JSS AHER</b>	<b>4,10,000.00</b>
		<b>K-STePS</b>	<b>3,80,000.00</b>
		<b>ICMR</b>	<b>17,65,520.00</b>
Pharmacognosy	<b>02</b>	<b>DST</b>	<b>11,91,000.00</b>
		<b>K-STePS</b>	<b>4,80,000.00</b>
Pharm.chemistry	<b>04</b>	<b>DST-Inspire Fellowship</b>	<b>12,25,164.00</b>
		<b>DST- WOS</b>	<b>25,34,550.00</b>
		<b>ICMR</b>	<b>8,93,200.00</b>
		<b>JSS AHER</b>	<b>3,10,000.00</b>
Pharmacology	<b>04</b>	<b>DST-Inspire Fellowship</b>	<b>4,25,536.00</b>
		<b>ICMR</b>	<b>24,04,000.00</b>
		<b>JSS AHER</b>	<b>4,30,000.00</b>
		<b>CSRI of DST</b>	<b>8,06,000.00</b>
Pharmacy practice	<b>02</b>	<b>Mou with La Trobe University</b>	<b>8,19,335.00</b>
		<b>JSS AHER</b>	<b>1,20,000.00</b>

**CME / Seminar / Conference /etc. attended by the faculty (Webinar)**

Sl.No.	Department	State/Regional	National	International
1	Anatomy	63	103	21
2	Physiology	14	38	11
3	Biochemistry	19	46	37
4	Pharmacology	36	07	--
5	Microbiology	29	15	2
6	Pathology	10	5	5
7	Comm. Medicine	68	38	22
8	Forensic Medicine	15	15	4
9	General Medicine	86	6	1
10	Geriatrics	2		
10	Respiratory Medicine	9	14	4
11	Surgery	14	26	9
12	O.B.G.	8	179	11
13	Paediatrics	26	30	
14	Orthopaedics	18	8	5
15	Radiology	4	38	13
16	E.N.T.	8	20	2
17	Anaesthesia	56	25	
18	Ophthalmology	13	10	3
19	Dermatology	14	15	
20	Psychiatry	31	32	2
21	Hospital Administration	7	3	1
22	Emergency Medicine	22	1	
23	Cardiology	3	52	
25	Nephrology	5	20	6
26	Urology	8	22	8
27	CTVS	10	14	3
28	Gastroenterology		7	4
29	Rheumatology	4	8	
30	Paediatric Surgery		1	1
31	Clinical Psychology		1	1
	<b>Total</b>	<b>602</b>	<b>799</b>	<b>176</b>

Rs.72,748/- was provided as financial assistance for 5 faculty to attend various National & International conferences.

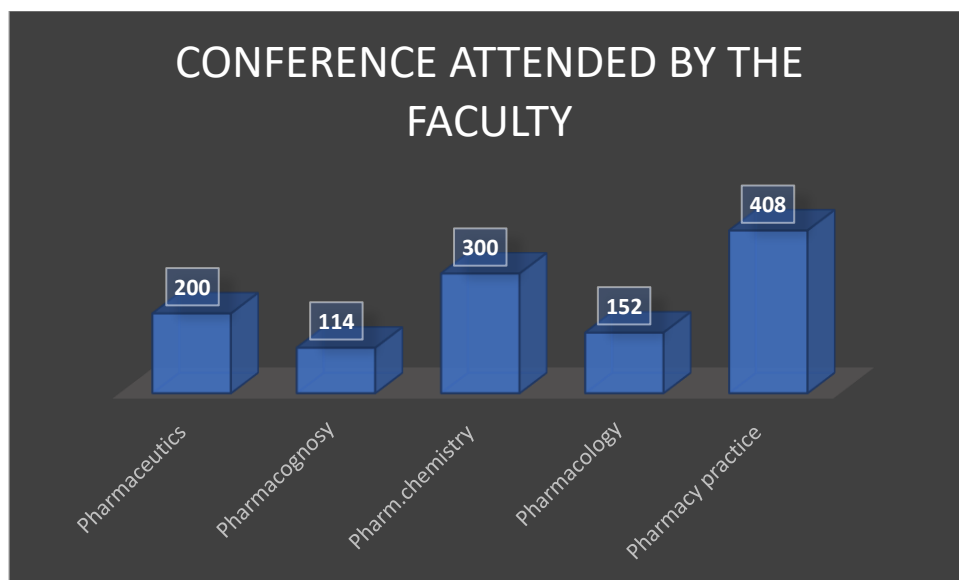
**Special Interest Group (SIG)**

Leader	Department	Title of the project	Amount sanctioned	Amount released
Dr.T.M.Pramod Kumar	Pharmaceutics	3D printing	300000	300000
Dr.Saravana Babu	Pharmacology	Brain, Behaviour and Cognitive Neuroscience Reseach	300000	300000

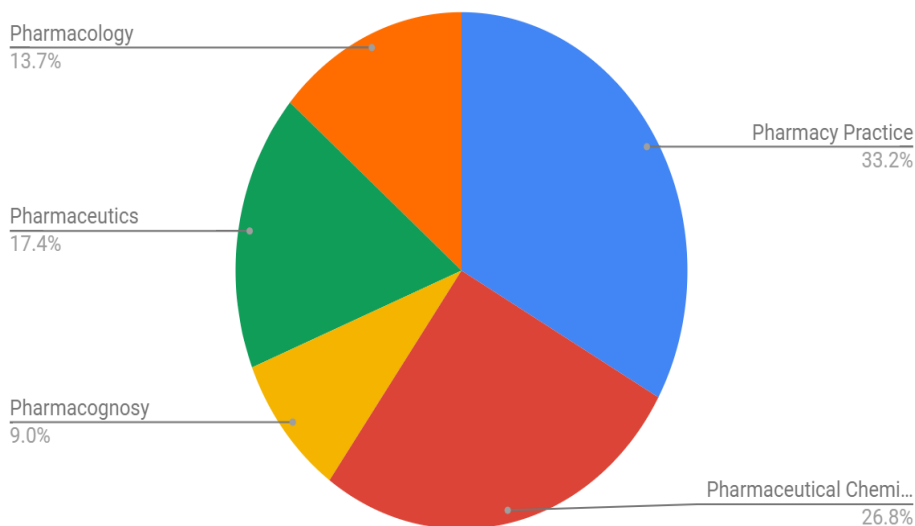
**CME / Seminar / Conference /etc. attended by the faculty (Webinar)**

Sl.No	Departments	No of conference attended
1	Pharmaceutics	200
2	Pharmacognosy	114
3	Pharm.chemistry	300
4	Pharmacology	152
5	Pharmacy practice	408
		<b>1174</b>

Rs.3,70,145/- was provided as financial assistance for 14 faculty to attend various National & International conferences



**Conference / Seminar /Workshop / Training Program Attended by faculty members**



## Publications related to SDG 8

1. Hemapriya L Kukreja., Maureen Prativa Tigga., Neha Wali., Prathap T., Anil Kumar M R., Shreya Chandran, Knowledge attitude and practice of personal safety measures adopted by medical practitioners during the covid 19 pandemic, Dec.2020, Journal of Evolution of Medical and Dental Sciences, P-1-7, ISSN-2278-4748 (NATIONAL). (Related SDG: 03, 09, 13)
2. Dr. Ashoka H.G., Dr. Venkatesh C.R., Dr. Smitha M.C., S H Nandhini, Hydroxychloroquine prophylaxis against coronavirus disease-19: Knowledge and practice among health-care professionals, Jun.2020, International Journal of Health and Allied Sciences, Vol.9, Issue.5, P-38-42, ISSN-2278-4292 (NATIONAL).
3. Dr. Smitha Rani, A review of the management and safe handling of bodies in cases involving COVID-19, Sept.2020, Medicine, Science and the Law, ISSN-0025-8024 (INTERNATIONAL).
4. Banerjee D., Vajawat B., Varshney P., Rao T.S.S., Perceptions, Experiences, and Challenges of Physicians Involved in Dementia Care During the COVID-19 Lockdown in India: A Qualitative Study, 2021, Frontiers in Psychiatry, Vol.11, ISSN: 1664-0640 (INTERNATIONAL).
5. Nimisha Sinha, Dr. Vidya C S, Shreya Singh, Questionnaire-based survey on creating awareness among I MBBS Students on the practice of hygiene and risk of infections in dissection theatre, 2021, International Journal of Health and Clinical Research, Vol.4, Issue.9, P-242-245, ISSN: 2590-325X (INTERNATIONAL)

S. No	Title of the paper	Authors	Journal Name with ISSN Number	Journal Details	IF
1.	Adaptation of pharmaceutical marketing and drug promotion practices in times of pandemic COVID-19 (Review)	Sunil S. Chiplunkar, D Vishkanthe Gowda, H. G. Shivakumar	International Journal of Health & Allied Sciences. ISSN: 2278-4292	2020: 9(1):S11-S19	--
2.	Surfactant-based prophylaxis and therapy against COVID-19: A possibility (Review)	K. Pramod, Sabna Kotta, U.S. Jijith, A. Aravind, M. Abu Tahir, C.S. Manju, H.V. Gangadharappa	Medical Hypotheses/ISSN: 0306-9877	2020; <a href="https://doi.org/10.1016/j.mehy.2020.110081">https://doi.org/10.1016/j.mehy.2020.110081</a>	1.375
3.	Adaptation of pharmaceutical marketing and drug promotion practices in times of pandemic COVID-19 (Review)	Sunil S Chiplunkar, D Vishakante Gowda, H.G. Shivakumar	International Journal of Health & Allied Sciences/ 2278-4292 (print), 2278-344X (online)	2020;9(0): S11-S17	-

4.	COVID-19 Vaccine Development, Trials and Tribulations.	Juny Sebastian, Mandyam Dhathi Ravi, Tegginamat Pramod Kumar	Indian Journal of Pharmaceutical Education and Research/ISSN : 0019-5464	2020;54(3): S457-S463	0.501
5.	The potential of ODFs as carriers for drugs/ vaccines against COVID-19 (Review)	Maram Suresh Gupta Tegginamath Pramod Kumar	Drug Development and Industrial Pharmacy /ISSN: 0363-9045, 1520-5762	2021; 47(2):179–188	2.365
6.	A comprehensive review and perspective of herbal medicines in the treatment of COVID-19 (Review) (Intercollegiate Publication)	Afrasim Moin, S. Meenakshi, Syed Mohd Danish Rizvi, Nanhi Nandini, Talib Hussain, Arshad Hussain, G. S. Meghana, M. Manohar, P. Sathishbabu, D. V. Gowda	Journal of Pharmaceutical Research International /ISSN: 2456-9119	2021;33(26A): 70-95	-
7.	Identification of potential mRNA panels for severe acute respiratory syndrome coronavirus 2 (COVID-19) diagnosis and treatment using microarray dataset and bioinformatics methods	Basavaraj Vastrad, Channabasayya Vastrad & Anandkumar Tengli	3 Biotech, Spinger Nature/ISSN: 21905738	2020;10(422): 1-65	2.3
8.	Bioinformatics analyses of significant genes, related pathways, and candidate diagnostic biomarkers and molecular targets in SARS-CoV-2/ COVID-19	Basavaraj Vastrad, Chanabasayya Vastrad, Anandkumar Tengli	Gene Reports/ISSN: 2452-0144	2020; Jan-70: Doi:10.1016/j.gerep.2020.100956	0.65
9.	Possible Insights into the Use of Silver Nanoparticles in Targeting SARS-CoV-2 (COVID-19) (Review)	Abhinav Raj Ghosh, Bhooshitha AN, Chandan HM, KL Krishna	Indian Journal of Pharmaceutical Education and Research (IJPER) /ISSN: 0019-5464	2021;55(2): 319-329	0.425
10.	Possible role of tryptophan and melatonin in COVID-19 (letter to editor)	Musthafa Mohamed Essa, Hamdan Hamdan,	International Journal of Tryptophan	2020;13: 1-2	5.467



		Saravana Babu Chidambaram, Buthainah Al- Balushi, Gilles J. Guillemin, David M. Ojcius and M. Walid Qoronfleh	Research/ISSN : 1178-6469		
11.	Impact of lockdown during COVID-19 pandemic and its advantages+	Abhishek PR Nadig, K. L. Krishna	International Journal of Health & Allied Sciences/ ISSN - Print: 2278-4292, Online: 2278- 344X	2020;9(4): 316-321	-
12.	Social and Biological Parameters Involved in Suicide Ideation During the COVID-19 Pandemic: A Narrative Review ( <b>Review</b> )	Chenthamara Dhrisya, Murugan Prasathkumar, Robert Becky, Salim Anisha, Subramaniam, Musthafa Mohamed Essa, Saravana Babu Chidambaram, Buthainah Al- Balushi, Gilles J Guillemin and M Walid Qoronfleh	International Journal of Tryptophan Research/ISSN : 1178-6469	2020;13: 1-18	5.46
13.	Does COVID-19 contribute to development of neurological disease? ( <b>Review</b> )	Arehally M. Mahalakshmi Bipul Ray Sunanda Tuladhar Abid Bhat Shasthara Paneyala Duraishamy Pattaswari Meena Kishore Sakharkar Hamdan Hamdan David M. Ojcius Srinivasa Rao Bolla Musthafa Mohamed Essa Saravana Babu Chidambaram M. Walid Qoronfleh	Immunity, inflammation and disease/ISSN: 2050-4527	2020; DOI: 10.1002/ii d3.387	2.5

14.	Assumptions for disparities in case-fatality rates of coronavirus disease (COVID-19) across the globe <b>(Review)</b> <b>(Intercollegiate Publication)</b>	Undela K, Gudi S.K	European Review for Medical and Pharmacological Sciences/ISSN : 1128-3602	2020;24(9): 5180-5182	2.721
15.	Knowledge and beliefs towards universal safety precautions during the coronavirus disease (COVID-19) pandemic among the Indian public: a web-based cross-sectional survey	Sai Krishna Gudi, Manik Chhabra, Krishna Undela, Rajesh Venkataraman, Uday Venkat Mateti, Komal Krishna Tiwari, Sanath Nyamagoud	Drugs & Therapy Perspectives/ISSN: 1179-1977	2020; 10.1007/s40267-020-00752-8	-
16.	Impact of COVID-19 Pandemic on Psychological Responses of the General Population in India: A Nationwide Survey	Juny Sebastian, Amal Anand, Rithika VR, Jisha M Lucca, Royes Joseph	International Journal of Pharmaceutical Research/ISSN : 0975-2366	2020;12: 2349-2357	--
17.	Knowledge and Beliefs of General Public of India on COVID-19: A Cross-sectional Survey	Rahul Krishna Puvvada, Krishna Undela, Shilpa Palaksha, Balaji Sathyanarayana Gupta	EAS Journal of Pharmacy and Pharmacology/ISSN: 2663-0990 (Print) & ISSN: 2663-6719 (Online)	2020; 2(5):21-27	--
18.	Psychological Impact of COVID-19 lockdown among healthy individuals in india a self-assessed cross-sectional study <b>(Intercollegiate Publication)</b>	Samaksha P B, Krishna Undela, Rahul Krishna Puvvada, Balaji Satyanarayana Gupta, Kishor M, Shilpa Palaksha	International Journal of Pharmaceutical Research/ISSN :0975-2366	2021;13(2): 1659-1671	--
19.	Implementation and evaluation of virtual anticoagulation clinic care to provide incessant care during COVID-19 times in an Indian tertiary care teaching hospital <b>(Intercollegiate Publication)</b>	Sunil Kumar Shambu, Shyam Prasad Shetty, Oliver Joel Gona, Nagaraj Desai, Ramesh Madhan and Revanth V	Frontiers in Cardiovascular Medicines/ISSN: 2297-055X	2021;8(210): 1-7	6.05

**Sustain per capita economic growth in accordance with national circumstances and, in particular, at least 7 per cent gross domestic product growth per annum in the least developed countries.**

Dearness allowance was provided to all our Teaching and Non-teaching faculties in a periodical basis as per government norms

JSS Academy of Higher Education & Research  
(Deemed-to-be-University)  
Accredited 'A' Grade by NAAC  
Sri Shivarathreshwara Nagar, Mysuru-57 0 015, Karnataka, India.

Phone No: 0821-2548392/93 Fax No: 0821-2548394, mail: registrar@jssuni.edu.in web: www.jssuni.edu.in

Sub : Sanction of an additional installment of Dearness Allowance - reg.

Ref: 1) This office order No. REG/EST-II(3)/UNI/20/2014-2015 dt 25-04-2019.

2) Letter No. JSS/MC/EST/3165/2019-20 dt 13-08-2019 from the Principal, JSS Medical College, Mysuru.

3) Letter No. JSS/DCH/244/EST/2019-20/1040 dt 17-9-2019 from the Principal, JSS Dental College & Hospital.

4) Letter No. JSSCP/EST/C4/1298/2019-20 dt 05-09-2019 from the Principal JSS College of Pharmacy, Mysuru.

5) Letter No. JSSCP/OT/C5/895/2019-20 dt 22-05-2019 from the Principal JSS College of Pharmacy, Ooty.

**ORDER No. REG/EST-II(3)/UNI/20/2014-2015 DATED 10-10-2019**

Sanction is hereby accorded to increase the Dearness Allowance from the existing rate of 148% to 154% of the basic pay (pay in the Pay Band + Grade Pay) with effect from 01-01-2019 to the teaching staff of JSS Medical College, JSS Dental College & Hospital, JSS College of Pharmacy, Mysuru & Ooty (including Non-teaching staff of JSS College of Pharmacy, Ooty only) and JSS Academy of Higher Education & Research, Mysuru who are drawing the revised scales of pay.

The payment on account of Dearness Allowance involving fractions of 50 paise and above shall be rounded off to the next rupee and fractions less than 50 paise shall be ignored.

The Dearness Allowance will be shown as a distinct element of remuneration and will not be treated as pay for any purpose.

This order is not applicable to those who are drawing other scale of pay.

REGISTRAR

### Sanction Letter for Dearness Allowance

**Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labor- intensive sectors**

JSS College of Pharmacy, Ooty received 14.35 lakhs for Drug Discovery Hackathon Phase-II studies of COVID-19 drug discovery

DDH2020 is a joint initiative of AICTE, CSIR, Ministry of Education's Innovation Cell and supported by Office of Principal Scientific Advisor, Govt. of India, NIC and MyGov.

DDH2020 vision and mission is to establish 'Open innovation Model' for in silico drug discovery against Covid-19. The targets/tools/lead molecules identified through the process of DDH2020 will be further taken forward for synthesis followed by subsequent steps in routine drug discovery program.

Phase- I of DDH is complete. In phase-I, a total of 377 entries were received for the 29 problem statements (PS). After scrutiny of these entries, seven (07) entries have been selected for phase-II of Drug Discovery hackathon. The team from JSS college of Pharmacy, Ooty under the team leader Dr. R. Kalirajan, Asso. Professor has been announced as winner team with cash prize of Rs. one lakh. The following team members Dr. Srikanth Jupudi, Dr. B. Gowramma, Mr. C.Jayakumar, Dr. S. Satyanarayanan, Dr. P. Bharathidasan, Dr. Velayutham pillai, Dr. S. Murugesan and Dr. M. Karthikeyan also involved in the research. For the further development of DDH Phase-II studies in the COVID-19 drug discovery, the MHRD innovation cell and AICTE, New Delhi sanctioned Rs. 14.35 lakhs to the above team. The Pro chancellor of JSS Academy of Higher Education & Research and President of Pharmacy council of India Dr. B. Suresh, and Dr. S.P. Dhanabal, Principal, JSS College of Pharmacy, Ooty appreciated the team for the success in Phase-II.



Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services.

**Institution's Innovation Council (IIC) Activities**

JSS CP, Ooty and Institution's Innovation Council (IIC) has organized the following:

A virtual interaction on "Improving citation count to become a Top 'Most - Cited' scientist" with Dr. N. Ponpandian, Bharathiar University, Coimbatore, a Stanford University Top 2% Scientist (Jan 2021) for the benefit of our internal faculty on Saturday, 24<sup>th</sup> April 2021. All faculty members have participated in this live interaction.

A live webinar on Prototype Validation: CONVERTING Prototype into a start-up on MAY 15, Saturday at 11 am. Resource person: Ms. Mitakshara Shirgaonkar, PMP certified trainer and Independent Consultant. All the faculty members and scholars have participated in this live interaction.

Improve progressively, through 2030, global resource efficiency in consumption and production and endeavor to decouple economic growth from environmental degradation, in accordance with the 10-year framework of programmes on sustainable consumption and production, with developed countries taking the lead

During this period, there is no activities related to water conservation, swachh bharaat related activities

**Achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value.**

Our college provides the equal opportunities in employment for women, men, youngsters and physically challenged people.

**Substantially reduce the proportion of youth not in employment, education or training.**

Our college has an excellent placement and skill development training cell. The main aim of the cell is to coaches the students on required interview skills which are related to confidence, creativity, dress code, ability to react and respond, handle stress full situations



NOTIFICATIONS: Rescheduling of BSc (LS) & MSc (LS) Theory Exams scheduled on 07.08.2021 - Notification.

Activities & Events | Careers | Notifications | Site Map | Contact Us | Search

**JSS** ACADEMY OF HIGHER EDUCATION & RESEARCH  
(Formerly Known as Jagadguru Sri Shivarathreshwara University)

Examination Notifications | Admissions 2021 | JSS AHER Student / Parent / Staff Portal  
Center For Distance Education ( ODL ) | Center For Online Learning

ABOUT US | COLLEGES / DEPARTMENTS | RESEARCH | COURSES | STUDENTS | AUTHORITIES | NIRF | IQAC | OUTREACH

**Placement Cell**

- Student Manuals
- Anti-Ragging Help
- Placement Cell**
- Student Support Centre
- Library Information
- Campus Facilities
- About Mysore

**Placement Cell**

JSS Academy of Higher Education & Research ( JSS AHER ) with its training and placement cell have facilitated sighting fresh and promising human resources for the life sciences industry. Around 75 per cent of the students opt for enrollment in the training and placement and are suitably employed in leading pharma, Ayurveda, biotech companies, Hospitals across the country.

The key advantage for the life sciences industry is that JSS AHER Constituent colleges are ISO certified institutions and are part of the NAAC accredited JSS AHER. The office of the training and placement is to impart the hands on training and provide opportunities to the students of Pharmacy, Management, Life Science, Medical, Dental and Biomedical Sciences.

There are several collaborations with the industry not just to hire students but for industry-academia exchange programs also. The office of the Training and Placement is headed by Deputy Director – Academic since 2014. The office coordinates the

Apply Now | Enquire Now

### Placement Cell Activities in Institution Website

[https://jssuni.edu.in/JSSWeb/WebShowFromDB.aspx?MID=14003&CID=0&PID=10\\_005](https://jssuni.edu.in/JSSWeb/WebShowFromDB.aspx?MID=14003&CID=0&PID=10_005)

**JSS** ACADEMY OF HIGHER EDUCATION & RESEARCH  
(DEEMED TO BE UNIVERSITY) | MYSURU

# JSS College of Pharmacy, Ooty

## Congratulations

For Placed in Indegene, Bengaluru as Junior Associate - Scientific Writing with a package of Rs. 4.0 L / Annum through our Students Placement Cell



**Mr. Sujin Bright F J**  
VI Pharm. D



**Ms. Bhavya Chebrolu**  
VI Pharm. D



**Ms. Diya Varghese**  
VI Pharm. D

For Placed in Celegence & Vyugenics, Bengaluru as Junior Associate - Regulatory Affairs with a package of Rs. 2.8 & 3.5 L / Annum through our Students Placement Cell



**Ms. Anusha S**  
II M. Pharm

Celegence, Bengaluru  
Vyugenics, Bengaluru

*Wishing you a Great Career Ahead!*  
*From JSSAHER, Principal, Staff & Students*

**Dr. N. Jawahar**, organized virtual Webinar on “Strategy for GPAT and NIPER” in association with Pharmalite on 12<sup>th</sup> September 2020 for final year B.Pharma students.

**Dr. N. Jawahar**, organized virtual Webinar on “Master Plan to Crack the Interview” in association with Pharmalite on 19<sup>th</sup> September 2020 for final year

**Take immediate and effective measures to eradicate forced labour, end modern slavery and human trafficking and secure the prohibition and elimination of the worst forms of child labour, including recruitment and use of child soldiers, and by 2025 end child labour in all its forms.**

No child labour, compliance with labour act

**Protect labour rights and promote safe and secure working environments for all workers, including migrant workers, in particular women migrants, and those in precarious employment.**

No child labour, compliance with labour act, occupation safety, health care card

**Devise and implement policies to promote sustainable tourism that creates jobs and promotes local culture and products.**

Nilgiris the blue mountain range of Tamilnadu is a most enchanting tourist spot in Tamilnadu and attracting the students. This mountain range has the Ooty hills. It is located in the Blue Mountains (Nilgiri hills) of the Western Ghats and popularly known as the "Queen of hill stations". The weather in Ooty is always cloudy, raining or freezing cold. The weather, high altitude, natural exuberance, and intoxicatingly fresh air make this place a perfect destination for spending holidays during summers. The Botanical garden and Mudumalai wildlife sanctuary will drive you to save and safeguard nature. For showcasing the rich heritage of flora, the annual flower show is organized every year during the month of May at the Botanical garden. It is one of the spectacular events of the year. The beautifully enveloped silence of the Dotted peak will give you a sense of satisfaction. The interesting history of ancient India and arts & culture is preserved in the Government Museum which paves a way for learning and fun as well.

**Develop and operationalize a global strategy for youth employment and implement the Global Jobs Pact of the International Labour Organization**

Our institution offers periodical skill development training to our students at par to the international standards which in turn resulted in globalized job. Few students/graduates appeared for Community Pharmacist interview and awaiting (B.Pharm: 23, M.Pharm: 16, Pharm D: 2) for results from Life Pharmacy, Dubai, UAE

The placement cell of the department conducts various activities in order to assist students to build their career. The placement process starts by developing students' employability skill through professional training. In this regard the department has built-in approaches in terms of

**Research oriented approach:** In order to test the theories and concepts the students are encouraged to carry out research, assimilate facts, analyse and bring out findings with evidence in terms of research articles, paper presentation and article publication.

**Experiential learning approach:** This innovative teaching pedagogy puts students on to various departments of the hospital to learn the various processes, understand the bottle necks and issues in those areas under the guidance of hospital staff through hospital postings.

**Intense training:** During the 24 months program the students are trained in the class with the concepts and theories of management and health care, combined with hands on learning in hospital. This together with intense mentorship makes the students confident health care managers.

**From the inception of the department, 216** students have passed out with professional MBA degree and nearly **180** students have been successfully placed in various organizations at different levels.

## Activities organized to enhance student employability

The department has introduced a portfolio of activities which are aligned with building employability capacity of students

**Internship**-The students are encouraged to take up internship in various health care organizations. During the internship, students are encouraged to take up tasks as real time employees, which make them understand the work as well as challenges that they may face in their future as managers. Students during their internships generally work on the areas that have challenges or in those areas that require some improvement for better delivery of services. Some of the health care organization where our students have taken up their internship are:



**Industry visits, Hospital visits and interactive learning** -The department has adopted training approaches in which students are taken to visit different industries and hospitals at regular intervals during program. The organisations may vary from a small rural set up to latest modern organization in health care sector to understand the nuances of the organisations as well as future roles that the students have to take up. Visit to healthcare companies like Biocon, Skanray, Infosys to understand the production process, administrative styles have also been adapted.

**Soft skill training**-The MBA program curriculum has soft skill as essential component of training of the program. Consultants specialized in training programme, carries out the activities essential to build up the students as future managers. The program starts with the analysis of the students and their skill enhancements are looked into. Activities like role play, listening skills, rocket game with random questions, team building activities and finally interview question and mock interviews are also practiced.

**Guest talk and interaction**- Guest talk series are organised for the students based on the academic requirements. Renowned national and international speakers an expertise in their own sector share their view with facts and case study approaches. The students are oriented to the topics initially and to bring in deep understanding on the topics interact with the speakers through discussion or question answer session.

**Live projects and presentation in national and international avenues** -when hospitals face problems in term of operational issues, students are given live project to take up action research and collect data, analyze and present solution to issue in hand. Later in order to develop the concept it's also made as posters and research papers and presented in workshops and conferences. Many live project posters have won awards at national level and international level for their approaches.



**Leadership program**-The department has adapted a concept to teach social responsibility and leadership development by voluntarily assuming social challenges of the society and also given free hand to resolve the issues with group building and group creativity.

**Cleanliness awareness**-The students identified a government playground meant for recreation that was filled with house hold wastes and was turning into a dump yard creating a problem to neighbourhood and schools nearby. The students planned a cleanliness drive where 30 students voluntarily cleaned the park and also educated the community surrounding the essence of cleanliness and problems which are created by unhygienic environment.

**Providing sanitation facility**-A government school that supports slum and under privileged family children was facing problem in terms of water facility to toilets which was encouraging the children for open defecation. This problem was taken up by the project V care and funds were mobilized through voluntary collection of funds.

**Basic facilities program**-A school in rural part of Mysore called Hosahalli was identified where government school kids were facing problems in terms of play area and stationeries. Student's voluntary dug up the vacant land, made path way with planting tree and each tress was giving a responsibility to one class of students to maintain the tree and watering it. Funds were mobilized and pencils were distributed to the school kids which could last for a year.









JSS AHER has been functioning with the following policies

- Aligning employment, training and regulation policies to be consistent with commitments to equity and access strategies and targets.
- Providing appropriately positioned and supported scholarship and financial assistance schemes for students in need.
- Supporting creativity and innovation through a culture of acceptable risk-taking, providing the appropriate space and process for ideas to flourish.
- Monitoring employment outcomes and academic workload management.
- Implementing socially and environmentally responsible procurement policies and procedures, affecting up and down the supply chain.
- Critically querying the role of economic growth.

Faculty of Life Sciences has been guiding students in achieving decent jobs, which directly leads to economic growth. In order to prepare students, the Division of Biochemistry had organized a two days International Webinar entitled "The Career Catalyst: Plan, Prepare, & Prosper in Life Sciences" in May 2021. The event was virtually inaugurated by Dr. B. Suresh, Pro-Chancellor, JSS AHER, alongside Dr. B. Manjunatha, Registrar, JSS AHER, Dr. S Balasubramanian, Director (Research) and Dean (Faculty of Life Sciences) and Dr. KA Raveesha, Professor & Head, Faculty of Life Sciences.



INVITED SPEAKERS			ORGANIZING COMMITTEE		
 <b>DR. PURNIMA SINGH</b> RESEARCH ASSOCIATE UTHRAC, MEMPHIS, USA	 <b>MR. ALEX THOMAS</b> DEPUTY MANAGER (TOXICOLOGY) CIPLA LTD., INDIA	 <b>MR. VIVEK MISHRA</b> DIRECTOR & CEO FIBROHEAL WOUND CARE PVT LTD., INDIA	 <b>DR. B. SURESH</b> PRO-CHANCELLOR, JSS AHER	 <b>DR. SURINDER SINGH</b> VICE-CHANCELLOR, JSS AHER	 <b>DR. MANJUNATHA B</b> REGISTRAR, JSS AHER
 <b>DR. GIRIDHAR SHIVALINGAIAH</b> MEDICAL DEVICE QUALITY SPECIALIST NOVARTIS, AUSTRIA	 <b>DR. SUNIL PARTHASARATHY</b> TECHNICAL LEAD ALMAC GROUP, UNITED KINGDOM	 <b>DR. MRIDUL MANDAL</b> MARKETING MANAGER-PHARMA BIOPHARMA (AMERICAS), SHIMADZU, USA	 <b>DR. BALASUBRAMANIAN S</b> DIRECTOR (RESEARCH) & DEAN-FLS JSS AHER, MYSURU	<b>CONVENER</b>  <b>DR. K.A. RAVEESHA</b> HEAD-FLS, JSS AHER, MYSURU	
 <b>DR. PRAKASH S SHANMUGAM</b> SENIOR TOXICOLOGIST AVANOS MEDICAL INC., USA	 <b>MS. KANYA KT</b> GLOBAL DOCUMENT MANAGEMENT COORDINATOR BIOLINCA, INDIA	 <b>MS. SUNETHRA DEREBAIL</b> LEAD PATENT ATTORNEY SAH PARTNERS, INDIA	<b>ORGANIZING SECRETARY</b> <b>DR. SIDDESHA JM</b> ASSISTANT PROFESSOR, DIVISION OF BIOCHEMISTRY, FLS, JSS AHER, MYSURU		
 <b>MR. YASHAD DONGOL</b> RESEARCHER THE UNIVERSITY OF QUEENSLAND, AUSTRALIA	 <b>MR. BHARATH BHAT</b> EDUCATOR UNACADEMY, INDIA	 <b>MR. HARSHA RAMAKRISHNA</b> INDUSTRY TECHNOLOGY ASSOCIATE NOVOZYMES SOUTH ASIA PVT LTD., INDIA	<b>JOINT ORGANIZING SECRETARIES</b> <b>DR. J.R. KUMAR &amp; DR. RAGHU RAM ACHAR</b> ASSISTANT PROFESSORS, DIVISION OF BIOCHEMISTRY, FLS, JSS AHER, MYSURU		

## CODE OF CONDUCT POLICY

### **I. Preamble:**

The Code of Conduct Policy of JSS Academy of Higher Education & Research, is a shared statement of the commitment of the staff and students to upholding the ethical, professional and legal standards for daily and long-term decisions and actions and the members of JSS Academy of Higher Education & Research are responsible for sustaining the highest ethical standards of the organization. JSS Academy of Higher Education & Research values integrity, honesty and fairness, and strives to integrate these values into its teaching, research and outreach activities. The Code is intended to reinforce the principle that each and every one belonging to the organization has a responsibility to help ensure that JSS Academy of Higher Education & Research performs and pursues its mission in a legal and highly ethical manner.

### **II. Purpose and Principles:**

As members of the JSS Academy of Higher Education & Research, students and staff are responsible for sustaining the highest ethical standards of the organization. The Code of Conduct Policy applies to all staff and student of JSS Academy of Higher Education & Research within the scope, or when representing the organization in any capacity.

All teachers/ mentors/ supervisors should be familiar with the requirements of the Code, and should encourage students and employees to apply the Code to their daily activities and decisions, and to seek guidance from the appropriate individuals when additional information or explanation is needed.

Individuals acting on behalf of the organization have a general duty to:

- 1) Conduct themselves in a manner that shall maintain and strengthen the public's trust and confidence in the integrity of the Institution
- 2) Take no actions incompatible with their obligations to the Institution
- 3) Conduct themselves in accordance with the principles set forth herein

The Code stated below, does not provide exhaustively specific detail of what

one should and should not do, is intended to communicate the organization's overall expectations of proper professional conduct and ethical values.

### **III. Code of Conduct:**

Each student and employee of the institution shall follow:

- 1) This Code of Conduct confirms the Institution's commitment to the stated core values.
- 2) All members of the institution are expected to perform their duties and conduct the academic and administrative activities of the Institution with efficiency, fairness, impartiality, integrity, honesty and compassion.
- 3) Both staff and students are expected to be prudent and avoid waste and extravagance in the use of institution resources.
- 4) Staff shall act to create an atmosphere where sincerity and commitment thrive and harassment and victimization in any form are considered unacceptable.
- 5) No member shall do or omit to do, whether by conduct or utterance, anything that would undermine the authority of the institution from attaining its objectives.
- 6) Membership of secret cults by staff and students is forbidden. Also forbidden is membership of or encouraging the formation of any society whose existence is inimical to the goals of the institution.
- 7) A staff shall not accept, obtain, or cause any person to accept or obtain from any persons, for himself or for any other person, any gift or consideration as an inducement or reward for doing or forbearing to do any act in relation to official affairs of the institution.
- 8) No member of staff shall disseminate any information that is incorrect which can prejudice the good name and governance of the institution.
- 9) JSS Academy of Higher Education & Research believes that truly distinguished, competent, and respectable staff is an essential requirement for good quality graduates.
- 10) Dress code for all staff is therefore formal and corporate.
- 11) An academic staff shall improve his knowledge in his area of expertise.
- 12) An academic staff shall ensure that the curricular for the different programmes are able to respond to the dynamics of the need for graduates to be self-reliant.
  
- 13) An academic staff shall teach at scheduled times, be punctual to his

classes and shall not violate approved academic calendar and teaching timetable. The Head of Department and students shall be notified 24hours if there is unavoidable reason for change.

- 14) A teacher and student shall be faithful to his tutorial hours and shall not plagiarize the work of others and shall follow the Academic Integrity Policy of JSS Academy of Higher Education & Research.
- 15) Staff shall not disclose the contents of official documents or correspondence without prior authorization.
- 16) Respect every religion, faith and customs and not hurt the sentiments of others.
- 17) JSS Academy of Higher Education & Research is committed to providing avenues for sound physical development stimulating the cultivation of a lifestyle conducive to healthy living. All students are therefore expected to participate not only in all academic activities but also in non-curricular activities on campus.
- 18) The mission of JSS Academy of Higher Education & Research includes creating leaders who are well groomed gentlemen and ladies.
- 19) Self-control is therefore a core value. Fighting, use of abusive language and disrespect towards other students are forbidden. A student shall not constitute a threat to the life of other students and staff.
- 20) No student or staff shall engage in anti-social activities such as drug abuse, smoking, drunkenness, gambling, stealing, attempted stealing, organized crime, corruption or bribery.
- 21) The staff and students shall abide by the acceptable code for use of cell phone or other electronic signaling devices during work time.
- 22) The Staff, Students and the stake holder of other stake holders of JSS Academy of Higher Education & Research shall strictly follow :

- Code of Conduct Policy
- Academic Integrity Policy
- Guidelines on the Acceptable use of Cell Phone
- All the other policies visible through:  
<https://jssuni.edu.in/JSSWeb/WebShowFromDB.aspx?MID=11006&CID=0&PID=10001> (Regulations & Policies)

Copies of the Code may be obtained from the office of the Institution. The Code shall also be referenced in any student and staff handbooks and can be found on the Institution's website.

**IV. Authority:**

The Vice-Chancellor, Registrar & Director (Academics) of JSS Academy of Higher Education & Research and Principals of the constituent colleges and Heads of the departments holds delegated authority and is responsible for all aspects of the “CODE OF CONDUCT POLICY”.

**V. Date of Revision:**

01.01.2020



# **JSS Academy of Higher Education & Research**

(Established under Section 3 of the UGC Act 1956)

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## ***CONSULTANCY RULES***

## **CONSULTANCY RULES**

### **1. Contact Research**

Contract research shall comprise all R & D undertaken through specific contractual arrangement agreed upon for the purpose and shall cover the:

#### **1.1 a. Sponsored Projects:**

Projects wholly funded by the client having specified R & D objectives, and well defined expected project outputs/ results, generally culminating in generation of intellectual property. Sponsored projects could be multi- client also, with the sharing the project funding and research results.

#### **1.1 b. Collaborative Projects:**

Projects partially funded by the client and supplemented by provision of inputs from the Institute such as extra manpower, production/ fabrication of product in bulk for testing infrastructural facilities, etc. Collaborative projects could be for upscaling/ proving of laboratory level knowhow, technology development or generation of intellectual property etc. The expected project output/ results are well defined.

#### **c. Grant-in-Aid Projects:**

Grant-in-Aid Projects are normally for supporting for basic or exploratory research or for maintaining or creating testing and infrastructural facilities. These projects shall involve grant by way of financial inputs, either in full or in part, assistance in kind, eg., equipment, training to supplement JSS Academy of Higher Education & Research's efforts in ongoing or new R & D Projects or for creating new capabilities/ facilities.

### **Costing of contact Research Projects**

The charges for contract research shall include expenses on account of :

- a) Cost of man-days of staff deployed.
- b) Cost of consumables/ raw materials/ components with 25% overheads.
- c) Cost of physical inputs/ services/ utilities with 25% overheads.
- d) Equipment usage cost/ cost of equipment procured specifically for the project.
- e) Any external payment envisaged.
- f) TA/ DA.
- g) Contingencies

Total expenses = sum of a to g



Intellectual Fee : Minimum of 33.3% of total expenses as at 1.2.1.

For any sponsored research, rights for licensing intellectual property shall rest with JSS AHER. In case of collaborative research, such rights shall be held by JSS AHER and collaborator; Licensing for commercial exploitation of the intellectual property generated out of contract research shall be held jointly.

JSS AHER shall charge an adequate amount as fee. This could be a lumpsum and on recurring royalty.

**NB:** Wherever possible the sponsorer shall be given a non-exclusive license. However, commercial exploitation of the intellectual property.

Project charges = Total expenses = intellectual fee = license fee.

### 1.3 Sharing of the Monies by Staff

Forty percent of the intellectual fee or net surplus (remaining after accounting for all direct or indirect project expenditure) whichever is lower arising from R & D contracted is to be shared with the staff.

The pattern of sharing for staff is as follows:

Staff	Share
1. Innovators & Principal Contributions	40%
2. S & T (direct supporting staff)	20%
3. Other staff who have provided direct inputs to the specific activity	15%
4. Remaining staff of the JSS JSSAHER	20%
5. Welfare fund	5%

### CONSULTANCY

All consultancy services in the JSS AHER shall be institutional. There shall be two categories of consultancy viz.,

#### Advisory Consultancy

Wherein the services would involve scientific, technical, engineering or other professional advice, provided to a client purely on the basis of available expert knowledge and experience of individual (s), and not envisaging use of any facilities of the JSS AHER and also not involving any kind of survey, detailed study or report preparation/ submission.

## **General Consultancy**

Wherein the services shall comprise scientific, technical, engineering or other professional advice/ assistance based on the available knowledge base/ expertise of JSS AHER, and envisaging only minimum use of laboratory facilities for essential experimentation needed to meet the objectives of the consultancy assignment. General consultancy may inter alia cover:-

- Preparation of literature survey/ feasibility studies, state of the art/ project, technology forecasting reports;
- Interpretation and validation of test results and data, risks and hazard/ environment impact analysis etc.;
- Design engineering;
- Assistance in erection, commissioning, operation, fabrication/ tendering and purchase of equipment, trouble-shooting, productivity improvements, pollution abatement / control measures, energy conservation, waste utilization, technology assessment/ evaluation.

Any consultancy assignment which does not strictly fall under the category of Advisory Consultancy, shall be taken up as General Consultancy.

## **COSTING OF CONSULTANCY PROJECT**

The charges for consultancy project shall include expenses on account of

- a. Cost of man-days of staff deployed
- b. Cost of physical inputs/ services/ utilities / consumables raw materials/ component with 25% overheads.
- c. Equipment usage cost
- d. External payment envisaged, e.g. to outside consultants, for obtaining data, hiring of infrastructural facilities.
- e. TA/ DA
- f. Contingencies

NOTE: Total Expenses = sum of a to f.

## **Intellectual fee**

This should commensurate with the quality of inputs provided and the likely benefits to accrue to the client as a result of the consultancy. While there is no ceiling on the upper limit of intellectual fee to be charged, it should not be less than the estimated manpower charges.

## **Distribution of Honorarium**

Distribution amount upto a maximum of 2/3<sup>rd</sup> of intellectual fee as follows:

### **For Advisory Consultancy:**

Team of Consultants	95%
Welfare Fund	5%

### **For General Consultancy:**

Distributable amount upto a maximum of 2/3<sup>rd</sup> of intellectual fee or 300% of the manpower charges levied, whichever is less, as follows:-

Team of Consultants	65%
Supporting S & T Staff who have provided direct inputs to the specific activity	15%
Remaining staff	15%
Welfare Fund	5%

## **3. INTELLECTUAL PROPERTY**

Intellectual Property shall include patents, copyright, registered design trademark, and knowhow for a process / product design and computer software. Intellectual property generated shall be of two types.

### **UNENCUMBERED**

Developed through wholly in-house R & D programmes/ projects. In such cases ownership of intellectual property is solely that of JSS AHER, and consequently the licensing rights are that of JSS AHER alone.

Intellectual property developed through contract research and subsequently rendered unencumbered as per contractual arrangement with the client. In such cases, licensing of intellectual property by JSS AHER would be in accordance with the terms and conditions agreed upon with respect to third party licensing with the client.

### **ENCUMBERED**

Developed through contract research, i.e., total or partial financial support, and with/ without technical inputs from users/ clients. In such cases, ownership and licensing of intellectual property for commercial utilization shall be governed by JSS AHER's obligations to client in the matter.

## **LICENSING OF INTELLECTUAL PROPERTY**

Licensing of intellectual property shall mean granting the license the right to utilize the intellectual property and sell or use the resulting product (s) either for commercial/ captive purpose or as otherwise agreed to.

## **PRICING OF INTELLECTUAL PROPERTY**

There is no rigid formula for determining the price of intellectual property and thus estimates vary from case to case.

To arrive at price of intellectual property following factors will be kept in view:

- i. Cost of development.
- ii. Estimate of net benefit to be derived by the license.
- iii. Size and number of potential licenses.
- iv. Comparative cost of imported intellectual property.
- v. Possibility of intellectual property being pirated.
- vi. Opportunity value.

## **4. TECHNICAL SERVICES**

Technical services are meant to render to the clients/ customers, assistance of a minor nature based on available knowledge, expertise, skill and facilities of the institute. Technical services shall comprise:

- Testing & analysis (including certification and calibration)
- Training
- Technical assistance of an advisory nature
- Fabrication/ production of special products
- Repair and maintenance
- Supply of information/ database.

## **CHARGES FOR TECHNICAL SERVICES**

Charges shall comprise of (A + B) below except for supply of information/ databases.

A. Estimated expenditure on:

- i. Manpower (at prescribed rates).
- ii. Physical inputs/ services/ utilities etc. including overheads at 25%.
- iii. Raw material/ consumable component with 25% overheads.
- iv. Equipment usage depreciation/ replacement cost.
- v. Any other out of pocket expenditure.

B. Intellectual fee/ opportunity cost. The quantum shall be at the discretion of the Director considering the nature of client and his paying capacity.

## **DISTRIBUTION OF MONIES**

Twenty percent of the intellectual fee or net surplus (remaining after accounting for all direct and indirect expenditure for the service) whichever is lower is to be shared with the staff. The pattern of sharing for staff shall be same as given in 1.3.

### **APPENDIX – A (Refer Statute 22)**

(JSS JSSAHER Faculty may undertake contract research and provide consultancy and technical services)

#### **1. Contract Research**

Contract research shall comprise all R & D undertaken through specific contractual arrangement agreed upon for the purpose and shall cover the :

**Sponsored Projects:** Projects wholly funded by the client having specified R & D objectives, and well defined expected project output/ results, generally culminating in generation of intellectual property. Sponsored projects could be multi-client also, with the sharing the project funding and research results.

**Collaborative Projects:** Projects partially funded by the client and supplemented by provision of inputs from the Institute such as extra manpower, production/ fabrication of product in bulk for testing infrastructural facilities etc. Collaborative projects could be for upscaling/ proving of laboratory level knowhow, technology development or generation of intellectual property etc. the expected project output/ results are well defined.

**Grant-in-Aid Projects:** Grant-in-Aid Projects are normally for supporting for basic or exploratory research or for maintaining or creating testing and infrastructural facilities. These projects shall involve grant by way of financial inputs, either in full or in part assistance in kind e.g. equipment, training to supplement JSS JSSAHER's efforts in ongoing or new R & D Projects or for creating new capabilities/ facilities.

Costing of contract Research Projects

1.2.1 The charges for contract research include expenses on account of:

- a) Cost of man-days of staff deployed.
- b) Cost of consumables/ raw materials/ components with 25% overheads.
- c) Cost of physical inputs/ services/ utilities with 25% overheads.
- d) Equipment usage cost/ cost of equipment procured specifically for the project.
- e) Any external payment envisaged.
- f) TA/ DA
- g) Contingencies

Total expenses = sum of a to g.

Intellectual Fee: Minimum of 33.3% of total expenses as at 1.2.1.

For any sponsored research, rights for licensing intellectual property shall rest with JSS AHER. In case of collaborative research, such rights shall be held by JSS AHER and collaborator; Licensing for commercial exploitation jointly.

NB: Wherever feasible the sponsored shall be given a non-exclusive license fee with an exclusive licence for a limited period of time, normally not exceeding 5 years, for commercial exploitation of the intellectual property.

Project charges = Total expenses + intellectual fee + license fee.

of the intellectual property generated out of contract research shall be held

### 1.3 Sharing of the Moines by staff

Forty percent of the intellectual fee or net surplus (remaining after accounting for all direct or indirect project expenditure) whichever is lower arising from R & D contracted is to be shared with the staff.

The pattern of sharing for staff is as follows:

	<b>Staff</b>	<b>Share</b>
i.	Innovators & Principal Contributors	40%
ii.	S & T (supporting staff)	35%
iii.	Remaining supporting staff of the JSS JSSAHER	20%
iv.	Welfare fund	5%

### **Consultancy**

All consultancy services in the JSS AHER shall be institutional. There shall be two categories of consultancy viz

#### **Advisory Consultancy**

Wherein the services would involve scientific, technical, engineering or other professional advice, provided to a client purely on the basis of available expert knowledge and experience of individual(s), rendered outside JSS AHER and not envisaging use of any facilities of the JSS AHER and also not involving any kind of survey, detailed study or report preparation/ submission.

## **General Consultancy**

Wherein the services shall comprise scientific, technical, engineering or other professional advice/ assistance based on the available knowledge base/ expertise of JSS AHER and envisaging only minimum use of laboratory facilities for essential experimentation needed to meet the objectives of the consultancy assignment. General consultancy may inter alia cover:-

- Preparation of literature survey/ feasibility studies, state of the art/ project/ technology forecasting reports;
- Interpretation and validation of test results and data, risks and hazard/ environment impact analysis etc.
- Design engineering
- Assistance in erection, commissioning, operation, fabrication/ tendering and purchase of equipment, trouble shooting, productivity improvements, pollution abatement/ control measures, energy conservation, waste utilization, technology assessment/ evaluation.

Any consultancy assignment which does not strictly fall under the category of Advisory Consultancy, shall be taken up as General Consultancy.

### **COSTING OF CONSULTANCY PROJECT**

2.2.1 The charges for consultancy project shall include expenses on account of

- a. Cost of man-days of staff deployed
- b. Cost of physical inputs/ services/ consumables
- c. Equipment usage cost
- d. External payment envisaged e.g. to outside consultants, for obtaining data, hiring of infrastructural facilities.
- e. TA/DA
- f. Contingencies

NOTE: Total expenses = sum of a to f.

### **2.2.2 Intellectual fee**

This should commensurate with the quality of inputs provided and the likely benefits to accrue to the client as a result of the consultancy. While there is no ceiling on the upper limit of intellectual fee to be charged, it should not be less than the estimated manpower charges.

## **2.3 DISTRIBUTION OF HONORARIUM For**

### **Advisory Consultancy**

Distribute amount upto a maximum of 2/3<sup>rd</sup> of intellectual fee as follows:-

Team of consultants	95%
Welfare Fund	5%

### **For General Consultancy**

Distribute amount upto a maximum of 2/3<sup>rd</sup> of intellectual fee or 300% of the manpower charges levied, whichever is less, as follows:-

Team of consultants	95%
Other S & T staff	15%
Remaining Supporting staff	15%
Welfare Fund	5%

## **3. INTELLECTUAL PROPERTY**

Intellectual Property shall include patents, copyright, registered design trademark, and knowhow for a process / product / design and computer software. Intellectual property generated shall be of two years.

### **UNENCUMBERED**

Developed through wholly in-house R & D programmes/ projects. In such cases ownership of intellectual property is solely that of JSS JSSAHER and consequently the licensing rights are that of JSS JSSAHER alone.

Intellectual property developed through contract research and subsequently rendered unencumbered as per contractual arrangement with the client. In such cases licensing of intellectual property by JSS JSSAHER would be in accordance with the terms and conditions agreed upon with respect to third partly licensing with the client.

### **ENCUMBERED**

Development through contract research i.e. total or partial financial support and with/ without technical inputs from users/ clients. In such cases, ownership and licensing of intellectual property for commercial utilization shall be governed by JSS JSSAHER's obligations to client in the matter.



### **3.1.3. LICENSING OF INTELLECTUAL PROPERTY**

Licensing of intellectual property shall mean granting the license the right to utilize the intellectual property and sell or use the resulting product(s) either for commercial/ captive purpose or as otherwise agreed to.

#### **PRICING OF INTELLECTUAL**

There is not rigid formula for determining the price of intellectual property and thus estimates vary from case to case. The price of knowhow/ intellectual property normally ranges between 2% to 10% of either the plant and equipment cost or projected turnover of the unit for a period of 5 year's production.

To arrive at price of intellectual property following factors will be kept in view:

- i. Cost of development
- ii. Estimate of net benefit to be derived by the license.
- iii. Size and number of potential licenses.
- iv. Comparative cost of imported intellectual property
- v. Possibility of intellectual property being pirated.
- vi. Opportunity value.

### **4. TECHNICAL SERVICES**

Technical services are meant to render to the clients/ customers, assistance of a minor nature based on available knowledge, expertise, skill and facilities of the institute. Technical services shall comprise:

- Testing & Analysis (including certification and calibration)
- Training
- Technical assistance of an advisory nature
- Fabrication / production of special products
- Repair and maintenance
- Supply of information / database.

#### **CHARGES FOR TECHNICAL SERVICES**

Charges shall comprise of (A+B) below except for supply of information/ databases.

A. Estimated expenditure on:

- i. Manpower (at prescribed rates)
- ii. Physical inputs/ services/ utilities etc. including overheads at 25%
- iii. Raw material/ consumable components with 25%
- iv. Equipment usage depreciation/ replace cost.
- v. Any other out of pocket expenditure.

B. Intellectual fee/ opportunity cost. The quantum shall be at the discretion of the Director considering the nature of client and his paying capacity.



## A BRIEF OF CHANGES

1. The basis of defining consultancy has been fixed as under:  
**Advisory Consultancy;** only scientific or technical knowledge and No infrastructure or laboratory facilities used.

Research Consultancy; both scientific and technical knowledge of team and infrastructure or laboratory facilities used

Technical Services; only infrastructure used including incubator

2. Other work; Meeting, lectures, examination etc (outside the JSS JSSAHER)  
The maximum limit of intellectual fee earned by an individual faculty member in a financial year removed.
3. The individual can spend a maximum of 50 days in a year on consultancy job
4. Change in distributable intellectual fee component from existing and in line with IIT, Delhi.
5. Research Consultancy is clubbing the existing general and sponsored consultancy.
6. Incorporation of additional services to expand the scope of consultancy services offered by JSS AHER (including seminars etc)
7. The administrative charges at 20% on the cost of purchases in place of existing 25%
8. Creation of JSSAHER Research Fund (JSSURF) of (from the institutional share) to be utilized for up gradation of facilities, fellowship for studies etc which can be distributed on discretion of Director

9.

Category of Staff	Man power Rates (Rs)	
	Per day	Per annum
Professor	7000	14 lakhs
Associate Professor	4000	8 lakhs
Assistant Professor	3000	6 lakhs
Projects Assistants	Actual cost with 40% overheads	

The rates of per annum are to be considered on pro data basis if involvement is beyond three months.

## **CONSULTANCY**

JSSAHER through the instrument of its Consultancy services interacts with the Industry to solve their specific problems. Members of the academic staff of the JSSAHER including the Vice-Chancellor can undertake the consultancy work. These jobs can be carried out either by an individual or by a group of academic staff with the support of technical staff irrespective of the quantum of Institute facilities/ equipment used.

Consultancy services fall under following three categories

- a) Institutional Consultancy,
- b) Research Consultancy and
- c) Technical Services

as under:

### **Advisory Consultancy**

In this category, the specified and identified problems of industry/ organization, including in IPR tackled through investigational processes and technical/ scientific advice is rendered and involves no laboratory work. The intellectual fee is shared between the consultant and the JSSAHER in the ration of 70:30 after deducting all expenses. Visits can take place provided TA/DA is provided by party.

### **Research Consultancy:**

Under this category the emphasis centre a round the interaction between the institute and the industry and normally involves laboratory work. Detailed work plan is agreed to prior to the signed of agreement and is the basis for calculating total project charges. The rules governing this category are principally the same as for the Advisory consultancy. Jobs stated above except that the faculty member can undertake visits to the client

Industry without taking leave of absence. The professional fee charged is shared between the Consultant and the Institute in the ratio of 30:70 after deducting all expenses.

### **Technical Services**

The routine laboratory testing/ production of special products/ studies / repairs & maintenance / supply of information/ data, where neither any interpretation of result of called for nor any technical/ scientific advice is rendered, including incubator services are covered under this category. The Technical consultancy job is undertaken directly by the Department/ Centre on standard charges, approval for which is obtained by the Department from the Vice-Chancellor, JSS JSSAHER. The testing charges so received by the Departments/ centers are treated as revenue for the purpose of the budget. In the other

technical services such as production of special products/ studies / repairs and maintenance / supply of information/ data by the Departments/ Centers, the distribution not exceeding 20% of net contribution calculated after deducting all expenses including depreciation (recovery of capital cost in 7 years) can be paid to the concerned technical/ ministerial staff.

**(d) Other work**

The staff may receive fee/ honorarium for the purpose such as:-

Examination, paper setting, evaluation superintendence, invigilation, report writing and publications and other Academic work; and

Meetings in outside organization for selections, academic planning, research management, coordinate on committee meetings, invited lectures, conducting of Ph.D oral Examination.

These services falling under (i) & (ii) will not be governed by the above consultancy rules. All fees for such services will go directly to the Faculty/ staff member concerned without any share going to the JSSAHER. For absence from the JSSAHER to undertake services listed under (i) and (ii) above, a staff member may avail leave of the kind due with the approval of the competent Authority; or avail Special Casual Leave for purposes approved by the Vice-Chancellor.

iii) In the case of Seminars; saving after deducting all expenses may be distributed into organizers (20%) and JSSAHER (80%). The maximum distribution from a seminar will be limited to one lakh for the whole team.

**e) INTELLECTUASL PROPERTIES AND LICENSING**

- Intellectual property inter alias includes
- Patent
- Copyright
- Registered design
- Trade mark
- Know-how for process / product/ design & computer software

This is usually of two kinds

**i. UNENCUMBERED**

Development through wholly in-house R & D programmes/ projects. In such cases ownership of Intellectual property is solely that of JSS JSSAHER & consequently the licensing rights are that of JSS JSSAHER alone.

**ii. ENCUMBERED**

- 1) Developed through contract research with/ without technical inputs from users/ clients. In such case, the ownership of Intellectual property shall be that of sponsor. JSS JSSAHER shall have to license the I.P. development to the sponsor.

- 2) Intellectual property developed through contact research & subsequently rendered encumbered as per the contractual arrangement with the client. In such case licensing of Intellectual property by JSS JSSAHER would be in accordance with the terms and conditions agreed upon with respect to third party licensing with the client.

## **LICENCING OF INTELLECTUAL PROPERTIES**

Licensing of Intellectual property shall mean granting the licensee the right to utilize the Intellectual property and sell or use the resulting products either for commercial/ captive purpose or as otherwise agreed to

## **PRICING OF INTELLECTUAL PROPERTIES**

There is no rigid format for determining the price of Intellectual property and thus estimate varies on case to case basis. The price of know-how / Intellectual property is normally about 10% of either the plant and equipment cost or the projected turnover of the unit for a period of 5 years.

To arrive at the price of Intellectual property, following factors are kept in view

- 1) Cost of development
- 2) Estimate of net benefit to be derived by license
- 3) Size & number of potential licenses
- 4) Comparative cost of Intellectual property
- 5) Possibility of Intellectual property being pirated
- 6) Opportunity value

### **A. Approaching for Consultancy:**

The client can either approach Director or any academic staff of the Department/ centre for the consultancy job. In case Director's Office is approached by some outside agency for a possible consultancy job, such requests are referred to the concerned Head of Department/ Centre for his/ her advice. In case the client gives specific reference of any faculty, it is referred to the concerned faculty. The Head of the department/ Centre in turn will assign the job to an individual or a group of individuals in the Department/ Centre after ascertaining core competency in accordance with the predetermined system.

The concerned faculty will prepare the proposal according to the prescribed format (annexure-I) adhering to the standard terms and conditions and send it to the Director office through the Head for obtaining the approval.

Prior approval is required from Director as per Annexure I While

undertaking consultancy job, the norms must be observed:

- a) The consultancy work should not interfere with the normal Teaching/ research work

of the Department/ Centre and with the other, duties of the staff member concerned.

- b) The total time to be spent by the Consultant(s) on all types of consultancy jobs and other work should not exceed 50 days in a year.
- c) All proposals for a Consultancy job are to be submitted, keeping in view the standard term and conditions.
- d) The consultancies less than Rs. 10,000/- value are to be discouraged.

## **B. Role of Consultancy Committee**

- To hold meeting once in six months (depending on quantum work, may meet in three months)
  - To approve all proposals before distribution
  - Fore closure
  - To monitor the progress of consultancies w r
1. Consultancy Jobs exceeding Rs. One lakh and to be completed in more than on year be reviewed every six months. In case there are serious problems either from Client or' Consultant, the issue should be brought to the notice of the HoD/Director for his decision.
  2. If the client and the consultant agree to a revised time schedule, written consent of the client be obtained and Director is accordingly informed.
  3. In case the Institute finds that the consultancy is not getting completed in the agreed time schedule / revised schedule, Head of Department to hold a meeting of the client and the Consultant and after ascertaining the facts make recommendations to the Director for a decision.
  4. The payments are received for the completed jobs.

## **C. JSSAHER Charge**

The JSSAHER charges for the purpose of costing are divided in two portions (a) & (b) as explained below:-

- a) Expenses: to be incurred for the operation of the job under different heads as explained hereafter. No amount from this portion will be paid to the consultant(s).
- b) Fee for scientific & technical advice: to be apportioned between the JSSAHER and the Consultant(s) and other Academic staff.

For calculating the total charges for the job, the following budgets are to be considered:

Cost of Manpower: Cost of man days of technical scientific staff

Cost of Material: Amount needed for the purchase of material (chemicals, consumables & maintenance)



Cost of Utilities: Charges for the usage of electricity, diesel, A/C & other utilities.

Computer charges: Charges for the use of computer are Rs. 500 for 8 hours in case of normal kind of job & in case of high end usage; the charges are to be decided before approval.

Use of Central Instrument Laboratory: as per CIL rates of testing

Contingencies: Catering to contingent expenses

Administrative Overhead: These are charges at the rate of 20% of the total expenses on cost of materials & utilities.

Use of equipment: Charges at the rate of 15% of institute equipment used for the execution of consultancy.

Taxes, Levis or duties: are to be mentioned as per the actual.

#### **D. Processing of consultancy proposal in committee of acceptance:**

The consultancy proposals framed as per guidelines as above need to be examined and recommended by the consultancy committee and put for Vice-Chancellor's approval.

Recommendation of the Head of the Department/ Centre

The Head of the Department/ Centre will give the recommendation on the proposal based on the merits of the proposal, competency of the Concerned academic staff and his total time involvement in consultancy jobs in hand, which should not exceed one day per week, without adversely affecting the normal teaching & research work of the Department/ Center.

The proposal as recommended by the Head of the Department/ Centre and the consultancy Committee shall be put up for the Director's approval.

The approval is then conveyed to the client on behalf of the Director which included the details such as

- a) The JSSAHER's decision regarding acceptance of job and intimating the name of the Consultant who is responsible for all technical matters relating to the job;
- b) The charges which the client organization is required to deposit with the JSSAHER and the mode of payment;
- c) Other terms and conditions as arrived at by the consultant and the authority approving the job.

The client will be informed only the consolidated charges required to be deposited with the JSSAHER and not the break-up. Break-up and the detailed costing is kept within the knowledge of the Consultant in charge, Head of the concerned Department/ Centre and the Vice-Chancellor where the proposal is accompanied by a Bank draft, the acceptance of the job is notified to the Consultant(s), Head of the concerned Department/ Centre, Director and Accounts section for realization of the draft money.

#### **E. Operation of Consultancy**

Once the terms and conditions have been accepted by the client organization and the JSSAHER charges deposited with the Vice-Chancellor, the job becomes operational.

The Consultant is to ensure the satisfactory completion of the job adhering to the agreed terms and conditions.

During the course of working on the consultancy, the consultancy in charge can draw temporary advances to meet expenses on contingencies; purchase local conveyance etc, by sending requisitions to the JSSAHER.

During the currency of the consultancy job, the consultant, if need be, can request to revise the break-up of budget heads, giving justification for the change. It should have the approval of the client as well.

#### **F. Purchases for Consultancy**

The purchase of material is regulated in accordance with the Purchase Rules of the JSSAHER as approved by the Board of Management.

All the purchases will be carried through concerned college Purchase Committee.

#### **G. Travelling**

The travelling is to be regularized by existing JSSAHER rules. Vice-Chancellor's approval is required for deviation, if any, even if the client is paying.

Advances can be drawn as per the entitled TA/DA for such visits.

For journeys outside the JSSAHER for the purpose of consultancy work leave of the kind due for the period of his absence from the JSSAHER is required to be taken before proceeding for the consultancy job.

International travel under consultancy work can be approved by the Vice-Chancellor/Chancellor if provision exists in the budget of the initial proposal. Use of Computer

The consultant can use the JSSAHER computer or outside computer for the consultancy job. The payment for the use of computer is made on the basis of bills raised by the computer service centre and passed for payment by the Consultant In charge according to the provision made in the breakup of the job.

## H. Use of Central facilities:

The cost is to be calculated for the use of central facilities as per the existing CIL rate.

## I. Overhead charge

- (a) The administrative overhead charges @ of 20% of the total purchases are to be realized.
- (b) Charges for the use of JSSAHER equipment, overhead charges @ 15% of the total consultancy charges are to be realized for meeting the depreciation.
- (c) The manpower charges

Category of Staff	Manpower Rates (Rs.)	
	Per Day	Per Annum
Professor	7000	14 lakhs
Associate Professor	4000	8 lakhs
Assistant Professor	3000	6 lakhs
Project Assistant	Actual cost with 40% overheads	

For jobs of less than three months duration, manpower charges should be calculated on the basis of actual man-days. For jobs beyond 3 months, manpower charges should be calculated on lump sum basis taking in to account the annum rates.

## J. Fee for the Consultancy

The fee for scientific and technical advice is apportioned between the consultant(s) and the JSSAHER, after deducting the expenses towards salary (per day charges as given in table, consumables, laboratory chemicals, utilities, diesel, computer usage, central facilities, TA/DA, overhead charges etc from the total charges received, in the ratio of 70:30 or 30:70 or 20: 80 depending upon the category of Consultancy job.

The fee is apportioned by PI after putting up the request for apportionment as per annexure-2, along with the copy of the consultancy report submitted by the consultant.

Consultancy committee is to consider and recommend each proposal for distribution and for distribution amongst entitled staff which will be on the basis of median of their pay scale.

The settlement of all accounts of the 'consultancy job by the Consultant is a pre-requisite for release of the fee payment to the Consultant.

On completion of the Job, the consultancy report is to be submitted through the Vice-Chancellor to the client.

In case no formal report is required to be prepared due to the requirement of the confidentiality, the consultant must obtain a certificate from the Client that the job has been completed satisfactorily.

**K. Payment of Fee to, the Consultants(s):**

On receipt of the proposal for apportionment of fee from the consultant, the Consultancy Committee should obtain the details of expenses under the job from accounts.

On receipt of the above details, the committee is to seek the approval of the Vice-Chancellor. Unutilized amount under different heads of expenses are credited to the JSS JSSAHER research fund.

**L. JSS JSSAHER Research Fund**

The institutional share is accumulated and credited to a fund, specially created as JSS JSSAHER Research Fund.

Out of the above amount 50% is credited to the earning departments/ centers which can use the same with Vice-Chancellor's approval.

- a) Building up infrastructure facilities in the Department/ Centre.
- b) Publicity including organization of open house.
- c) Promoting Liaison with the Industries including holding Department/ Centre level workshop meetings with the Industries.

Loan to coordinators of Industry based continuing education courses as seed money to publicize programs or exploring visits in connection with the consultancy work.

Visits within India/ Abroad for business promotion activity.

The remaining 50% is earmarked for institute for building its facilities to provide efficient support to the operation of future project/ consultancy and furthering the R & D work and for any other purpose approved by Vice-Chancellor.

**M. Limit of Honorarium to Consultants:**

There is no yearly ceiling on the amount of consultancy receivable by an individual from all consultancy services.

**JSS JSSAHER**  
S.S Nagar, Mysore – 570015.

**APPROVAL FOR CONSULTANCY WORK**

(To be sent to Vice-Chancellor along with original request from client)

Date

- 1) Title of Consultancy work
- 2) Name of the Client
- 3) Consultancy Team   a)  
  b)
- 4) Type of consultancy work
- 5) Nature of consultancy work
- 6) Type of client
- 7) Total consultancy fee to be charged
- 8) Probable dates of commencement and completion of the work
- 9) Name any other external consultant if any with designation
- 10) Whether necessary facilities and expertise available
- 11) If interdepartmental, name of other departments / centers
- 12) Whether HOD informed

Yes/ No

Head of Department / Centre

Consultant-in-charge / Consultant

To  
The Vice-Chancellor

Note: Detailed estimated budget may please be attached by consultant along with the proposal.

**JSS JSSAHER**  
S.S Nagar, Mysore – 570015.

**PROPOSAL FOR DISTRIBUTION OF A CONSULTANCY EARNING**

Date

- 1) Title of Consultancy work
- 2) Name of the Client
- 3) Consultancy Approval No. & Date
- 4) Receipt No. & Gross consultancy fee received
- 5) Intellectual fees received
- 6) Cost related to & chargeable to Consultancy work
  - a) Cost of direct technical person/s
  - b) Cost of utilities consumables/ Laboratory chemicals/ Maintenance / other consumables / Non-consumables
  - c) Overhead charges (20% of total of 6b)
  - d) Charges for using external facilities (other than computer)
  - e) Computational charges
  - f) Cost of external expert
  - g) Cost of student/ Temporary employment
  - h) TA/DA expenses
  - i) Cost of secretarial services/ preparation of report
  - j) Depreciation of capital equipment used
  - k) Cost of CIL and other central facilities
  - l) Misc. cost (if any) Total expenses (a to i)
- 7) NET consultancy fee available for distribution (5-6)
- 8) Consultancy fee at the time of approval

9) Distribution (calculation on 7 or 8 which ever is low)

- a) Institutional share
  - 30% of 7/8 in case of Advisory Consultancy
  - 70% of 7/8 in case of Research consultancy
  - 20% of 7/8 in case of Technical Services
  
- b) Net available for distribution
  - 70% of 7/8 in case of Advisory Consultancy
  - 30% of 7/8 in case of Research consultancy
  - 20% of 7/8 in case of Technical Services
  
- c) Welfare fund (5% of 9b)
  
- d) Consultancy Share to team
  - A. Advisory Consultancy (95% of 9 b i)
  - B. Research Consultancy (95% of 9 b ii)

Distribution

Innovator & Principal Contributor (40%)

Supporting staff (35%)

Remaining staff of JSSU (20%)

(as per median of their pay scale)

C. Technical Services (95% of 9 b ii)

Distribution

Principal Contributor (40%)

Supporting staff (35%)

Remaining staff of JSSU (20%)

(as per median of their pay scale)

Signature of PI

Consultancy Committee hereby recommends for payment of Rs. ....  
as per the details given above.

Member

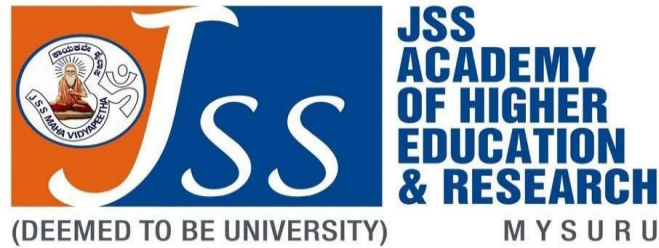
Member

Member

Chairman

Director may kindly approve & accord sanction a sum Rs.....for the same.

**VICE-CHANCELLOR**



## Employee Selection and Recruitment Policy

### 1. Preamble:

JSS AHER has the vision to provide quality education, promote translational research and serve the community through patient care and outreach activities. The human resource is the main pillar which can support and fulfil the vision. Hence, JSS AHER follows a standard policy to select and recruit manpower. This policy describes the process for identification, selection and recruitment.

### 2. Policy brief & purpose

- JSS Academy of Higher Education & Research **employee recruitment and selection policy** describes the process for attracting and selecting external and internal candidates.
- JSS Academy of Higher Education & Research is committed to equal opportunity policy at every selection stage. Recruiting teams shall aim for a well-planned and discrimination-free recruiting process.
- JSS AHER will be guided by UGC regulations, PCI/ AICTE/ MCI/ DCI regulations etc. from time to time

### 3. Scope

This recruitment and selection policy applies to all employees who are involved in recruitment for JSS Academy of Higher Education & Research. It refers to all potential job candidates.



## **4. Procedures**

### **4.1 Recruitment and selection process**

Generally, recruiting teams could go through the following steps:

1. Identify the need for recruiting
2. Decide whether to recruiting externally or internally
3. Review the job description and compose a job advertisement
4. Select appropriates sources (external or internal) for posting the opening
5. Decide on the selection stages and possible timeframe
6. Review resumes in JSS AHER & MVP database
7. Source possible candidates
8. Shortlist applications
9. Proceed through all selection stages
10. Run background checks
11. Select the suitable candidate through interview and recommend
12. Approval by Chancellor
13. Make an official appointment order and issue

Stages may overlap. HRD head/Registrar may remove/add steps as appropriate. The first five stages are mandatory in every recruiting process.

### **4.2 Posting jobs internally**

HRD section can post a job opening internally before starting recruiting external candidates. If they decide to post internally, they can:

- Set a deadline for internal applications
- ♦ Communicate their opening through internal circulars, emails or word-of-mouth

### **4.3 Creating job descriptions**

HRD section shall create job advertisement based on full job descriptions of each role. Job ads should be clear and accurately represent the open position. They should include:

- A brief description of JSS AHER and mission
- A list of requirements  
(Ensure to mention that the candidate should be more than 18 years old)
- How to apply

#### **4.4 Employee selection stages**

JSS AHER has follows a standard recruiting process that may be altered according to a role's requirements and approval of authorities. The standard process involves:

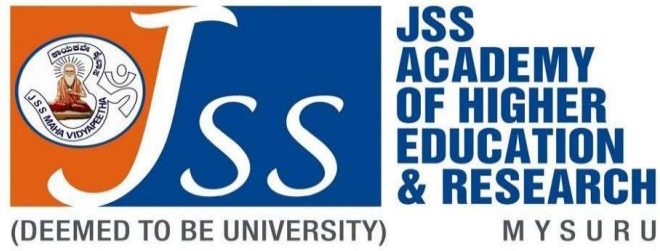
- Resume screening
- Interview
- Referrals Evaluation if any

#### **5. Revoke of Appointment order**

In case when a formal appointment order has to be revoked, the recruiting authority and human resources department should draft and sign an official document. This document should include a legitimate reason for revoking the appointment order. Legitimate reasons include:

- ♦ Candidate is proved to not be legally allowed to work for JSS AHER at a specific location
- ♦ Candidate has falsified references or otherwise lied about a serious issue
- ♦ Candidate doesn't accept the offer within the specified deadline (deadline must have been included in the appointment order)

Recruiting managers and HR must notify the candidate formally as soon as possible. This policy will come into immediate effect.



## POLICY ON ENGGAGING EXTERNAL STAKE HOLDERS

### 1.Preamble:

JSS Academy of higher education and research is committed to quality education with the vision to provide education that helps transformation of individuals and society. To achieve this, it is essential to include our stake holders in the governance of the Institution. This will not only help us in a continuous improvement process, it will also help us in a holistic approach of governance.

### 2. Policy & Principle:

2.1 The principles described above, support the stakeholder engagement cycle:



## **2.2 JSSAHER engages external stakeholders in three general ways:**

### **1.Communications:**

The external stakeholders are communicated through our News Letters, journals, emails and other publications.

### **2.Dialogues:**

Dialogues helps to understand the ideas that are communicated, to be adapted and incorporated into the fabric of planning and execution at JSSAHER. The regular meetings are an ideal occasion for the same. A member from external stakeholder is included to committee, council or board.

### **3.Collaborations:**

With mutual benefits, a collaboration with external stakeholder will help us to form new ideas and implement them very early.

## **2.3 The external stakeholders can be**

- Members of local authorities
- Parents of students
- Institutions & Industries recruiting our students
- Ranking agencies
- Statutory bodies
- Funding agencies
- Suppliers
- Outsourced service providers

## **3.Procedure:**

### **3.1 Procedure for including an external stake holder into any committee/ council**

#### **3.1.1 Including New member into a committee**

1. During the constitution or reconstitution of various boards, councils and committees, an external stakeholder of repute is identified.
2. Their resume is to be scrutinised by the authorities

3. On establishing their eligibility, they are recommended to be included include in the said board/council/committee for a specified time period
4. The recommendation is discussed in the Board of Management meeting.
5. On approval, they are included and notified
6. The roles and responsibilities of the external stakeholder in the said body is communicated along with the notification.
7. On their acceptance, they serve in the body for the time period specified.
8. They will attend the meeting and give their suggestion and have a right to vote
9. On completion of one term, they can be considered for the next term also.

### **3.1.2 On resignation of the member**

1. If the external member wishes to resign before the completion of the term of office, he /she will inform the secretary/chairperson
2. On acceptance, he/she will be relieved
3. A new member can be selected as per the above procedure for the remaining period of the term of office of the respective body

## **3.2 Procedure for selecting adjunct faculty**

JSS AHER has a separate procedure for selection approval and engagement and roles and responsibilities of adjunct faculty visible at <https://www.jssuni.edu.in/admin/BlobFileWorking.aspx?FILENAME=NEM000617.pdf&FORWHAT=3> along with the proforma for empanelment of Adjunct faculty at JSS AHER.

## **3.3 Procedure for signing an MoU, MoA, CRA**

JSS AHER has a separate procedure for selection approval and engagement and roles and responsibilities of MoU/ MoA/ CRA visible at <https://jssuni.edu.in/jssaher/global-engagement/mou-guidelines.html>

#### **4. Authority responsible for execution of this policy**

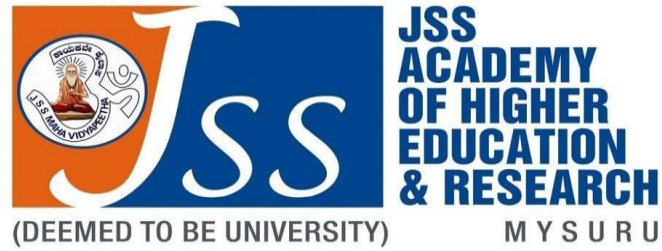
The Vice Chancellor and Registrar of JSS AHER will be responsible

#### **5.Date of implementation**

This policy will come into immediate effect from 01.01 .2016

#### **6. Date of revision**

01.01 .2020



## **Policy on antidiscrimination in the workplace**

### **1. Preamble**

JSS Academy of Higher Education & Research, believes in equality in workplace. Hence, the HEI has made this policy to prevent any discrimination and ensure equality.

### **2. Definition:**

**Discrimination** in workplace can be in different forms; there might be a single reason or a combination of multiple grounds of discrimination. Discrimination in a workplace may constitute in form of:

1. Age
2. Sex
3. Qualification
4. Disability
5. Pregnancy
6. National origin
7. Race/ Colour
8. Religion
9. Sexual harassment
10. Equal pay or compensation
11. Region/Place of origin
12. Caste and
13. Ethnicity.

### 3. Procedures:

#### 3.1 Disability

Disability discrimination occurs when an employer or an entity treats a qualified individual with disability who is an applicant or employee unfavourably due to that person being disabled. This unfavourable behaviour can be experienced during recruiting, pay, promotion, etc.

JSS Academy of Higher Education & Research has made a commitment for promoting, protecting and ensuring the rights recognised by government of India's act -The rights of Persons with disabilities Act, 2016 for **safeguarding** and **protecting** the disabled in India.

This Act under Sec. 3 mentions that 'No person with disability shall be discriminated on the grounds of disability and ensures that the person with disability enjoys the right to equality, life with dignity and respect for his/her integrity equally with others.

Under Sec. 19 and 20 there shall be non-discrimination in employment.

Under Sec. 32 of the same Act provides for reservation in higher educational institutions.

Under the Act, Sec. 34 the following categories of benchmark '**disabilities**' are protected – (a) Blindness and Low vision; (b) Deaf and hard of Hearing impairment; (c) Loco motor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victims and muscular dystrophy; (c) Autism, intellectual disability, specific learning disability and (d) Mental illness Multiple disabilities from amongst persons under clauses a to d

JSS Academy of Higher Education & Research abides by this ACT



### **3.2 Remuneration**

Discrimination may also exist in the payment of compensation to the employee which includes salary and other benefits. JSS Academy of Higher Education & Research shall not show any such discrimination.

### **3.3 Principle of Equal pay for Equal work**

JSS Academy of Higher Education & Research shall pay equal remuneration to men and women workers for same work or work of a similar nature as per the **Equal Remuneration Act, 1976. Section 5** of the Act and shall **prohibit** formulating a recruiting process putting women on disadvantage on account of their gender which is in reference to the work that is same or similar to that which is offered to men and even in respects of transfers and promotions.

### **3.4 Discrimination based on sex**

Discrimination based on sex can happen when an employee or a probable candidate is discriminated on the grounds of a person belonging to a particular sex. Discrimination based on sex might be seen in the areas of recruiting, conditions of employment, promotion, benefits, dividing work tasks based on whether staffs are male or female.

Any such discrimination shall be prohibited at JSS Academy of Higher Education & Research.

Discrimination on this ground is **prohibited** by **Article 15** of the Constitution which says no citizen shall on the grounds of sex, caste, place of birth be ineligible for, or discriminated against in respect of, any employment or office.

### **3.5 Discrimination on the grounds of pregnancy**

Discrimination can be refusal of grant of job to a women who is pregnant or dismissal of the women from the organisation subject to her disclosure of the fact of pregnancy.

Such a discrimination shall be prohibited at JSS Academy of Higher Education & Research.

### **3.6 Discrimination based on caste**

Under the Protection of Civil Rights Act, 1955 and the protection of civil rights rules 1977 if a person molests, injures, annoys, boycott, obstructs, or insults or attempt to do such act toward a person of Scheduled Caste, that person may be punished with imprisonment of term not less than one month and may extend upto six months and with fine not less than one hundred rupees and not more than five hundred rupees. If a person of Scheduled Caste faces boycott in form of not allowing that person to work or do business with other person or receive from him the services he renders, or any other things which are commonly done in ordinary course of a business is a punishable offence and he may file a FIR in the local police station.

Such a discrimination shall be prohibited at JSS Academy of Higher Education & Research.

### **3.7 Prevention of sexual harassment of women:**

JSS AHER strictly prevents, prohibits and redresses sexual harassment of women as per Sexual Harassment of Women at Work Place (Prevention, Prohibition and Redressal) Act, 2013. As per this Act under Sec.4 an internal compliance committee shall be constituted for the purpose.

#### **4. Authority**

The Vice-Chancellor, Registrar & Director (Academics), HRD Section of JSS Academy of Higher Education & Research and Principals of the constituent colleges and Heads of the departments holds delegated authority and is responsible for all aspects of this policy.

#### **5. Date of implementation:**

This policy will come into immediate effect from 16.06.2016

#### **6. Date of revision:**

16.06.2020



# JSS Academy of Higher Education & Research, Mysuru

## Innovation Policy

<b>Reference number</b>	Policy06-2017-JSSU
<b>Policy owner</b>	Vice-Chancellor, JSS Academy of Higher Education & Research, Mysuru, Karnataka.
<b>Policy Implementer</b>	Registrar, JSS Academy of Higher Education & Research, Mysuru, Karnataka.
<b>Responsible division</b>	Office of the Registrar, JSS Academy of Higher Education & Research, Mysuru, Karnataka.
<b>Status</b>	Approved
<b>Date of approval</b>	First approved date: 07.12 .2008. Revision approved date: 11.12.2019
<b>Amendments</b>	This policy was reviewed in June 2008 . Implemented in December 2008. Revised in December 2019.
<b>Web address of this policy</b>	<a href="http://jssuni.edu.in/JSSWeb/WebShowFromDB.aspx?MID=11006&amp;CID=0&amp;PID=10001">http://jssuni.edu.in/JSSWeb/WebShowFromDB.aspx?MID=11006&amp;CID=0&amp;PID=10001</a>
<b>Address on the policy data base</b>	Registrar, JSS Academy of Higher Education & Research, Mysuru, Karnataka.

# Innovation Policy

## 1 Preamble

As a well-recognized Institution in India , driven by its pursuit of knowledge and innovation, with a unique institutional culture based upon the values the University espouses, the JSS Academy of Higher Education & Research, Mysuru, has adopted this Innovation Policy on 7<sup>th</sup>December 2008.

## 2 Aim

The aim of the innovation policy is to assure quality and to provide the framework for research and innovation management at JSS Academy of Higher Education & Research (JSSAHER).

## 3 Scope

This policy relates with the JSS Academy of Higher Education & Research Strategic plan and supports JSSAHER to produce high-quality, relevant, and focused research, supplying innovative solutions to challenges faced by the scholarly community. Furthermore, as stated in the Strategic Plan, the JSS Academy of Higher Education & Research strives towards becoming a balanced academic - research JSSAHER with commercialization and making a significant impact through community engagement.

## 4 PolicyStatement

It is the policy of JSS Academy of Higher Education & Research that research is executed in identified Research Entities which promote innovative research and innovation for the economic development of the community, country, and the world.

The research and innovation model creates an institutional identity while at the same time allowing differentiation within the capabilities and capacity of constituent colleges and JSSAHER departments. The research entity model is geared towards increasing research and innovation quality, research and innovation participation and productivity, development, and funding. The research and innovation management model encourages, facilitates, and stimulates research and innovation on all campuses. Each constituent college and JSSAHER department will develop and manage its own Research Entities. Participation will primarily be limited to researchers from a specific college, open to collaboration with other collages and departments.

## 5 Definitions

### Research Niche Area

A Research Niche Area is a small research group with a clear focus which is identified by the campus and is part of the overall strategic plan of JSSAHER and colleges with local research impact. The campus must offer degrees approved by University Grants Commission/ Department of Ministry of Higher Education at a minimum of master's Level in the disciplines which form the primary focus of the Niche Area.

### Research Focus Area

A Research Focus Area is a research group with a clear focus which is identified by the collages and is part of the overall strategic plan of JSSAHER and colleges linked to national priorities with regional research impact. At least 30-40% of the research income of a Focus Area should come from external sources of funding. Masters and Doctoral students must be trained through involvement in the Focus Area.

### Research Unit

A Research Unit is significant with recognized, longer-term multidisciplinary and trans-disciplinary research activity. A clear focus is identified by the constituent colleges and departments and is part of the overall strategic plan of the JSSAHER linked to national priorities. Master's and doctoral students should be directly linked to the research entity. Research income is obtained from a variety of sources including industry and sources. There must be evidence of significant research output within the Research Unit and participation of doctoral students.

## **Research Centre of Excellence**

A Centre of Excellence is nationally recognized with longer-term multidisciplinary and trans-disciplinary research activity. The Centre should have a clear focus which is identified by the colleges and JSSAHER departments and is a part of the overall strategic plan of the JSSAHER linked to national priorities with national and international research impact. At least 50 of its research incomes should be derived from external sources of funding. The Centre should have substantial research output with doctoral student involvement.

## **Research Entity:**

Research Section/Division is a research and innovation entity that functions under the leadership of a Director (Research). The Entity typically hosts a research program of regional and national importance with long term financial support from public and private funding bodies and conducts research and innovation activities commensurate with doctoral program. The Research section of JSSAHER works across institutional boundaries, with the focus is on innovation output lower in the innovation value chain.

## **Commercial Research Entity:**

A Commercial Research Entity is an innovation entity that functions under the leadership of a Coordinator-Center for Innovation and Entrepreneurship. The activities within the entity are primarily aimed at implementing expertise, operates on business principles and all funding is obtained from internal and external sources. The vast majority of activities are focused on product development, services and products aimed at specialized industry/society needs. The quality provisions for research and training are applicable as well as Industry accepted quality standards for products and services.

## **Research and innovation output is defined as the following:**

Research output of JSS Academy of Higher Education & Research(JSSAHER)recognized for rating/ranking/ accreditation purposes by Government Bodies:

- 1) Staff qualification improvement on doctoral (equivalent)level.
- 2) Doctoral qualifications awarded to students.
- 3) Post Graduate projects and outcome.
- 4) Articles published in national and international journals ( peer reviewed journals);
- 5) Presentations made to national and international conferences.
- 6) Patents filed and granted at national or international level.
- 7) R&D-related downstream activities, characterized by successful technology transfer.
- 8) The number of researches through centers of excellence, innovative projects, niche areas allocated to JSSAHER by funding agencies.
- 9) Regional/ national/international awards received by the researchers and inventors.
- 10) Participation in selected performances/exhibitions and the delivery of artistic products.

## 6. Rules

The rules guiding research and innovation are defined within the following categories:

### Research and Innovation Governance

- 1) Board of Management governs and approved innovation policies.
- 2) The Institutional Research and Innovation Committee communicates on the strategy, plans and Quality of Research and Innovation of the JSSAHER.

The Research Committee has the responsibility to evaluate the research undertaken within the Research Entities at JSS Academy of Higher Education & Research (JSSAHER) and make recommendations to the Board of management

### Research and Innovation Strategy

- 1). The Vice-Chancellor assumes the overall responsibility for the policy and strategy of Research and Innovation at the JSS Academy of Higher Education & Research. Director (Research) is responsible for research and innovation and assumes the overall responsibility for the management of research and innovation at the constituent colleges and JSSAHER Department.

### Research and Innovation Structures

- 1) Research and innovation are performed within the defined Research Entities as categorized in the Institutional Strategy. All research entities are linked to faculties.
- 2) It is the responsibility of the directors or heads of research entities to manage in fenced-off cost centers within the policies of JSS Academy of Higher Education & Research.
- 3) The relevant Director, after consultation with the Innovation and Entrepreneur Office and the relevant coordinator, may recommend the formation of spin-off companies.

### Research and innovation Management

- 1) Research is managed according to the guidelines set in the Institutional Strategy
- 2) Research and innovation are funded in accordance with the Institutional Strategy.
- 3) The Research Committee devises the strategies necessary to attain, promote, monitor, and review innovative activities within the Faculty.

### Research and Innovation Support

- 1) The office of the Director Research advises colleges and departments and faculties on the protection of intellectual property rights, patents applications and professional indemnity, related to research and innovation activities.
- 2) The office of the Director Research facilitates and evaluates all project proposals submitted to research funding agencies; supports the effective and optimal appropriation of the JSSAHER funds, including applications and allocation of funds, as well as the continuous monitoring and reporting of all research funds of the JSS Academy of Higher Education & Research; Manages the administration of all government subsidized research and the handling of all such subsidy claims and facilitates the effective evaluation of research, internally by the Institutional Research Support Committee.
- 3) Research and innovation performance is evaluated or assessed by way of research and innovation performance indicators and an annual Research and Innovation Report. Measurements will include:
  - Measurement and bench marking of the output.
  - The extent by which the JSSAHER can earn and leverage funding for research and innovation activities.

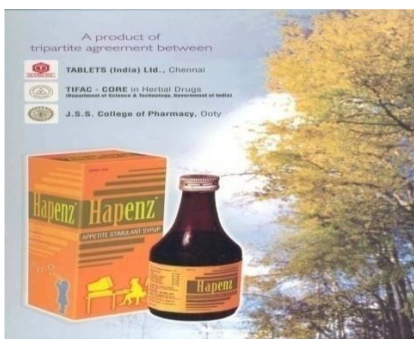
## 7. Procedures

JSS Academy of Higher Education & Research (JSSAHER) will ensure the provision of effective, efficient, and equitable support for researchers, through the Research management structures. The overall process for research and innovation is captured in the Strategic Plan of the Institution and JSSAHER.

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**HERBAL PRODUCTS DEVELOPED AND COMMERCIALISED BY  
TIFAC CORE, JSS COLLEGE OF PHARMACY, OOTACAMUND,  
Constituent College of JSS Academy of Higher Education & Research**

As per the mandate entrusted to us by TIFAC, Department of Science and Technology, Govt. of India, the major objective of the TIFAC CORE in Herbal Drugs is to undertake research programmes for the Indian industries engaged in manufacturing Herbal Drugs/Traditional Medicinal Products in addition to meet the specialized demands of human resource requirements of these industries. In this context, M/s. Tablets (India) Ltd., Chennai, who were looking to introduce Herbal drugs and Nutraceuticals in the market, approached the CORE for developing the required technology for some of the herbal products. The CORE, therefore, decided to work on two herbal products namely, a natural appetite stimulant and memory enhancer for children and sleep formula for insomnia and other sleep disorders for adults. These herbal products were selected based on the inputs from the industry and also based on our own market survey. The two herbal based products, namely Hapenz, the appetite stimulant and memory enhancer for children and NSF-3, a fixed dose combination for treatment of insomnia and other sleep disorders, were developed and commercialized by TIFAC CORE, JSS College of Pharmacy, Ootacamund (a constituent college of JSS Academy of Higher Education & Research, Mysuru). These products are presently marketed by M/s. Tablets (India) Ltd., Chennai.



**HAPENZ**



**NSF-3**





# Research Promotion Policy

## 1. Preamble:

JSS Academy of Higher Education & Research has been expanding the scope of medical sciences over the years with its focus on research. Research is one of the most important methods of improving the body of knowledge of medical science. There are many people – students, post grads, faculty - who are involved in the process of doing research in medical sciences at the University. Some of the research may seem very insignificant, but the truth is that none of the research that is being done is insignificant. Research does not always identify something new, it reinforces the existing knowledge that is present.

The Deemed to be University's vision of accessible health for all is reinforced with the work that it does in conducting research to reduce the burden of disease that people face. The need for knowledge about these diseases is that it will help in preventing the diseases. Other than the prevention, the treatment of those who are suffering from these diseases will also be possible with sound research to identify the best medicines and course of treatment. The Deemed to be University believes that research, consultancy, and extension activities are integral part of the academic programs and promotion of research has been synthesized in its academics.

JSS Academy of Higher Education & Research (Deemed to be University) Internal Quality Assurance Cell Mysore, Karnataka - 570015 Policy for Research Promotion

## 2. The Scope and Purpose

This statement on promotion of research policy applies to all faculty, PhD scholars and students at JSS AHER.

This policy provides an overarching framework for the development and implementation of all research management

## 3. The Policy

The Deemed to be University will provide the 'Research Surge' by monitoring and anticipating advances in science and technology, policy developments and other changes in the healthcare environment research and education. It shall identify its established areas

of strength and the potential opportunities to translate research for scientific, social, economic, and technological development. For this the Deemed to be University has made a policy for research promotion which has defined the following actions for advancement of research at the University and its constituent colleges –

1. Engagement with nationally and internationally renowned research Institutes and universities and establish Centers of Excellence in identified research activities in the colleges/departments.
2. Partner in a collaborative spirit with industry, practitioners, patients and academia globally to help accelerate the development of research and continue to strengthen local capabilities and infrastructure that catalyzes outcome based research.
3. Systematically evaluate and, where feasible and advisable, pursue opportunities that leverage University's research strengths and capabilities in 3 scientific writing and publications and recognize individuals and institutions who exemplify themselves.
4. Allocate resources and incentivize research that will attract distinguished faculty and research scholars to develop a culture of research and help achieve national and international recognitions by getting highly acclaimed awards.
5. Establish Chairs and fellowships that can help nurture research at JSS AHER and its constituent colleges
6. Establish policies on innovation, patent, academic integrity and commercialization of technology through consultancy.
7. Comply with all legislative framework associated with conduct of research in ethical manner by following required processes and guidelines provided by JSS AHER and other agencies from time to time
8. JSS Academy of Higher Education & Research gives freedom to its faculty to choose areas of research and to speak and teach publicly about the area of their research and also publish their work for the benefit of the society.

#### **4. Strategic Directions**

To realize the above mandate JSS AHER shall take steps for promotion of research that include

- 1). Constitution of Research Coordination Council, Boards of Studies in Research, Research Advisory Committee, and Doctoral Committee.
- 2). Establishment of Special Interest Group (SIG) to promote interdisciplinary and translational research.

- 3). Creation of JSS AHER Research Fund that supports students registered for the PhD program with fellowship and young faculty with start-up grant.
- 4). The Deemed to be University shall allocate funds in its budget for promotion of research activities and research facilities.
- 5). The Ph.D. and Masters programme regulations to include publication of two research articles in peer reviewed journals before submission of Ph.D. thesis and open viva-voce.
- 6). The Deemed to be University to establish collaborations with national institutions like DRDO, IGIB, Gujarat Forensic Science University, CSIR Laboratories, and international organizations such as NIH, NCI, and other research organizations to promote research.
- 7). Organize seminars, workshops, and training programs for young faculty for submission of research projects and publications in peer reviewed journals.
- 8). Establish a Research Chair in the name of Dr. Sri Shivarathri Rajendra Mahaswamiji for advancement of research
- 9). Recognize faculty and students who have distinguished themselves in research by incentivising their efforts in the form of awards, grants, and recognitions.
- 10). Strengthen infrastructure in niche areas and evolve as centers of excellence. Some of the areas include cellular and molecular biology, regenerative medicine, herbal drugs, sustainable rural health, nanotechnology, and translational and clinical research.



## SMART CAMPUS POLICY

### INTRODUCTION:

JSS Academy of Higher Education & Research, Mysuru has established its state of art Campus using cutting edge technology. It has achieved smart campus status in implementing the below technologies like:

1. Smart Physical Security and Surveillance “Safety & Security”
2. Smart Wi-Fi Enabled Campus “Connectivity and Digitization”
3. Smart Buildings “Establishment & Development”
4. Smart Recycling Process “Waste, Water, Air Management”
5. Smart Working & Transportation System “Services & Connectivity”.
6. Smart Energy Conservation and Utilization practice “Water, gas, electricity & infrastructure”
7. Smart Environment Management “Green environment resilient”
8. Smart Hostel & Smart Canteen management “Food & Health”
9. Smart Teaching & Learning “Education, learning & digitization”
10. Smart Extra Activities “Sports, cultural & Recreation”
11. Smart Outreach Activities “Social Service & Connectivity”

## **I. OBJECTIVE:**

- Embed the use of smart technology into daily life of the campus; providing an opportunity for the development and application of innovation and technology to support a smart campus.
- Integrate an enhanced process and program focused on materials, security, health, transport, energy and environmental management.
- Focus on maintaining “Eco friendly institution” thorough best practice.
- Provide world class facilities and enabling nationally and internationally renowned industrial/institutional partners to co-locate on the campus.

## **II. SMART CAMPUS INITIATIVES:**

### **a). Over all activities:**

- The JSS Academy of Higher Education & Research implemented CCTV Cameras regarding students’ day and night from the year2010.
- The surveillance has built in analytic and intelligence for immediate remedial measures.
- Students are always connected to smart Wi-Fi.
- Healthy environment to support the mental, physical, and social wellbeing of the students and staff of the JSS Academy of Higher Education & Research.
- Daily power and water consumption data per student and room basis captured and analyses for reducing consumption cost.
- Smart help system for students to attend to all their hostel requirements on the services front.

**b). Students Centric Smart Campus:**

- Students are fully safe and secure with homely atmosphere and are being monitored round the clock.
- Students have dedicated band width with high-speed internet both on campus and hostel rooms.
- Smart Metering has given lot of data in terms of consumption pattern based on which several optimization measures have been implemented.
- Smart portal has a great impact on both students and other stakeholders who are directly involved in daily hostel operations.

**c). ICT Based Smart Campus:**

- Physical security of students in the campus was a big challenge.
- 400 CCTV cameras are always in operations for surveillance.
- Internet plays a vital role in enabling students to pursue their academic goals. Internet with adequate band width was provided to make the campus Wi-Fi enabled.
- Optimization and improvement can only be brought about by identifying consumption patterns. The goal was to reduce the consumption of water and electricity to the lowest levels possible. Smart Metering was implemented for taking optimal decisions.
- Many students join every year. JSS Academy of Higher Education & Research needed a SMART portal where in all services are taken care centrally from student entry in hostel and to their exit. Smart Portal was always made operational for connectivity with students.

**d). Environment Friendly Smart Campus:**

- In order to minimize energy usage, improve the efficiency of all energy/ resources (natural resources, water, electricity) consuming systems and equipment, and improve the environment in all facilities, JSS Academy of Higher Education & Research has adopted a energy / resources conservation and recycling policy.
- Conservation of energy and natural resources and recycling process is an integral part of JSS Academy of Higher Education & Research facilities' design and usage.
- The JSS Academy of Higher Education & Research employs a variety of energy conservation, recycling, and other techniques to lessen the consumption of resources and achieve the lowest feasible life cycle costs.
- Energy conservation measures will be achieved by using the most cost-effective, energy-efficient approach with consideration given for flexibility of use and future remodeling convenience. Recycling efforts are encouraged at the Institution/department level.
- All faculty, staff, students, design consultants, and construction contractors observe energy and resource conservation measures employed by the campus.
- The Campus Facilities Maintenance & Management Authority- Deputy Registrar shall be the principal coordinator of all design disciplines, which includes responsibility for the implementation of this policy.
- Constituent Colleges & Departments are responsible for internal energy conservation, recycling efforts.
- The Transport Policy provides the JSS Academy of Higher Education & Research with a standard procedure for the acquisition, enhancement, use, control, maintenance, repair, checking fuel efficiency and disposal of the JSS Academy of Higher Education & Research's vehicles and for the management of related forms of transport engaged for official purpose.

### **III. LONG TERM GOAL:**

The long-term strategy of the JSS Academy of Higher Education & Research focuses on the creation of a world-changing, connected, healthy and vibrant JSS Academy of Higher Education & Research campus. Within this the JSS Academy of Higher Education & Research will concentrate on:

#### **a). Digital Environment**

- Open, flexible, integrated, interoperable, secure, and scalable ICT architecture.
- Sense, capture, monitor and evaluate data to support and study the performance of the campus in real time.

#### **b). Integrated Urban Energy Systems**

- Low carbon, low impact energy in a complex urban environment, focusing on generation, storage, distribution, and management.

#### **c). Data-driven Infrastructure Innovation**

- Resilient infrastructure systems.
- Innovation in infrastructure design and delivery.
- Building Information Modelling (BIM) for design and life-cycle performance.

#### **d). Health & Wellbeing**

- Evaluate, understand, and improve the physical environment
- Develop new practices for workplace wellbeing.
- Develop the technology, including wearable technology, to measure and influence health related behavior.

#### **e). Student Experience and Pedagogy**

- Data-driven services and spaces for an improved student experience.
- Technology-enabled learning & teaching (including active learning, interactive teaching, flexible study).



#### **IV. AUTHORITY:**

The Vice-Chancellor, Registrar & Deputy Registrar of JSSU holds delegated authority and is responsible for all aspects of the JSS Academy of Higher Education & Research's "SMART CAMPUS POLICY".

#### **The Smart Campus Policy of JSS Academy of Higher Education & Research follows:**

- The Swachh Bharat Mission (Urban) guidelines, Government of India.
- National conservation strategy and policy statement on environment and development, Government of India.
- National Cyber Security Policy, Ministry of Communication and Information Technology, Government of India.



## **SMART CAMPUS SUPPORTING SUSTAINABLE DEVELOPMENT GOALS**

### **SOCIAL RESPONSIBILITY - TOUCHING THE LIVES OF MILLIONS**

JSS AHER'S Social Responsibility is an approach of ethical and intelligent management, which involves both its impact on its human, social and natural context, and its active role on the promotion of Sustainable Human Development of the country. Within this approach, "Sustainable Campus" is a strategy that strives to reduce the ecological footprint of the Institution via a rational use of resources and to educate the JSSAHER community on the ethics of sustainability.

# INITIATION OF THE CONCEPT OF SMART CAMPUS

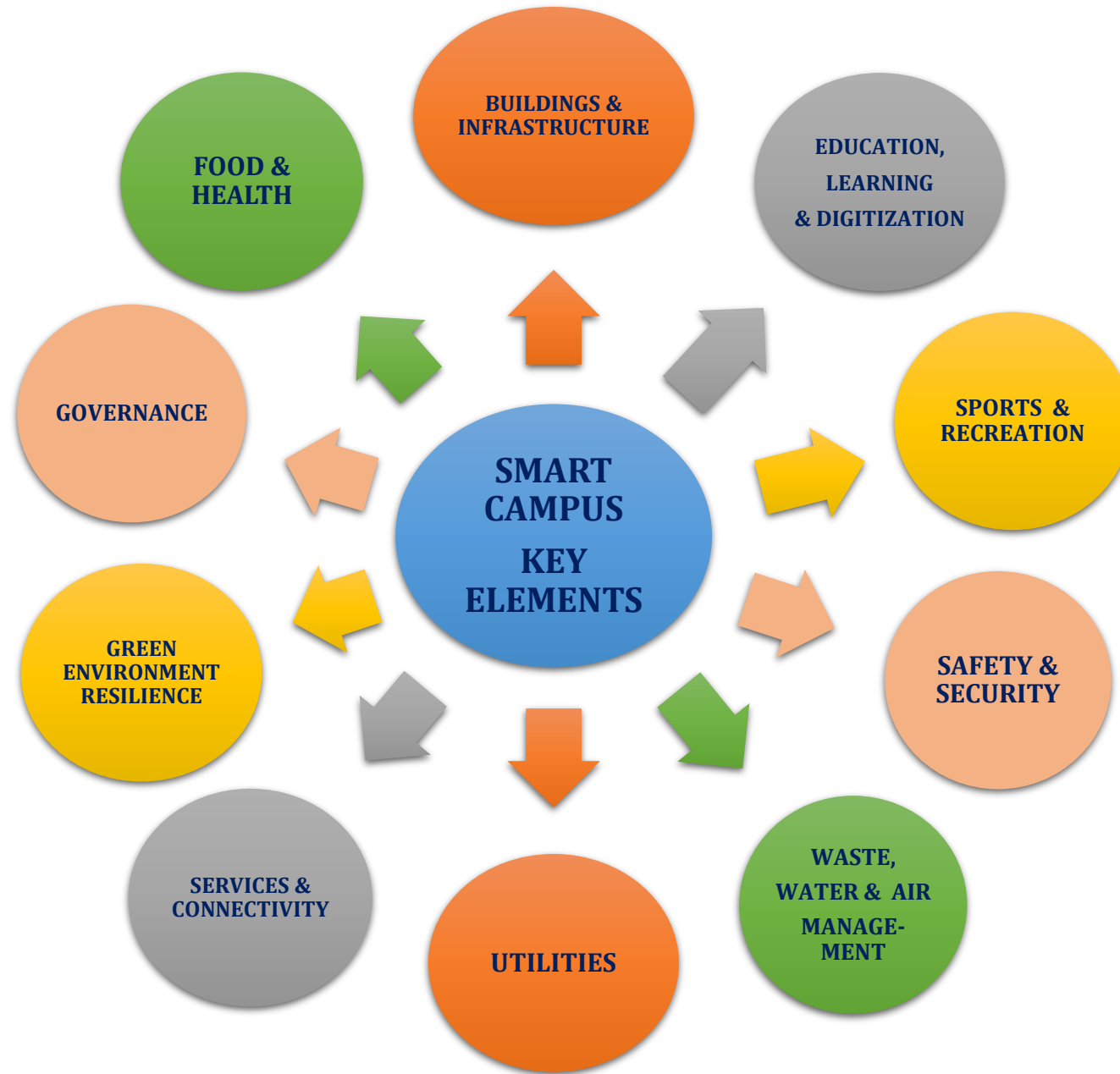
**First Meeting on 29-11-2017**

**Meeting on 16-04-2020 & 03.04.2021  
To take measures in protecting the  
campus from COVID 19 Pandemic**

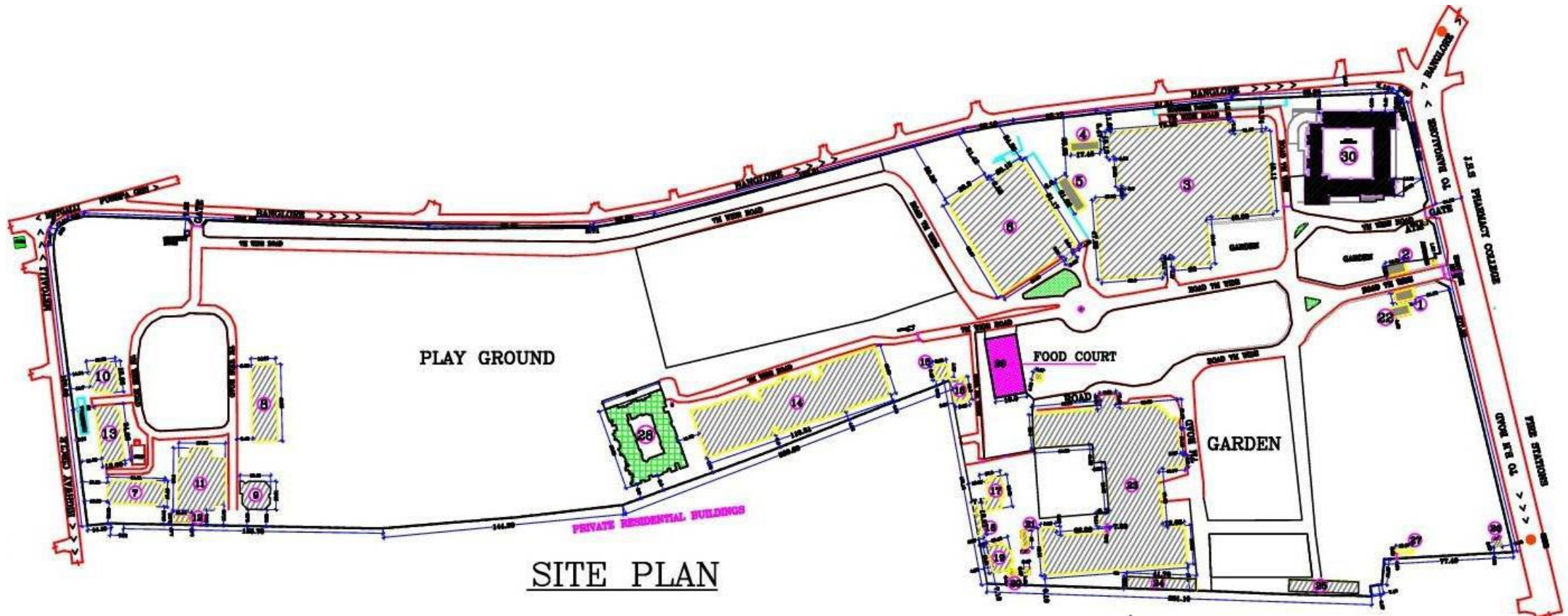
## **Key Elements of a Smart Campus**

- 1. BUILDINGS**
- 2. EDUCATION & LEARNING**
- 3. SPORTS & RECREATION**
- 4. SAFETY & SECURITY**
- 5. WASTE, WATER, AIR MANAGEMENT**
- 6. UTILITIES – WATER, GAS, ELECTRICITY**
- 7. INFRASTRUCTURE**
- 8. SERVICES**
- 9. GREEN ENVIRONMENT RESILIENCE**
- 10. WORKING**
- 11. RETAIL**
- 12. FOOD & HEALTH**
- 13. CONNECTIVITY & DIGITISATION**

- 1. FOOD & HEALTH**
- 2. CONNECTIVITY & DIGITISATION**
- 3. BUILDINGS & INFRASTRUCTURE**
- 4. ONLINE EDUCATION, LEARNING**
- 5. MENTAL HEALTH & RECREATION**
- 6. WASTE, WATER, AIR MANAGEMENT**
- 7. SERVICES, CONNECTIVITY & RETAIL**
- 8. GREEN ENVIRONMENT RESILIENCE**
- 9. SAFETY & SECURITY**
- 10. GOVERNANCE**



# JSS MEDICAL INSTITUTIONS CAMPUS OF JSSAHER TOPOGRAPHICAL VIEW



## TOTAL AREA STATEMENT

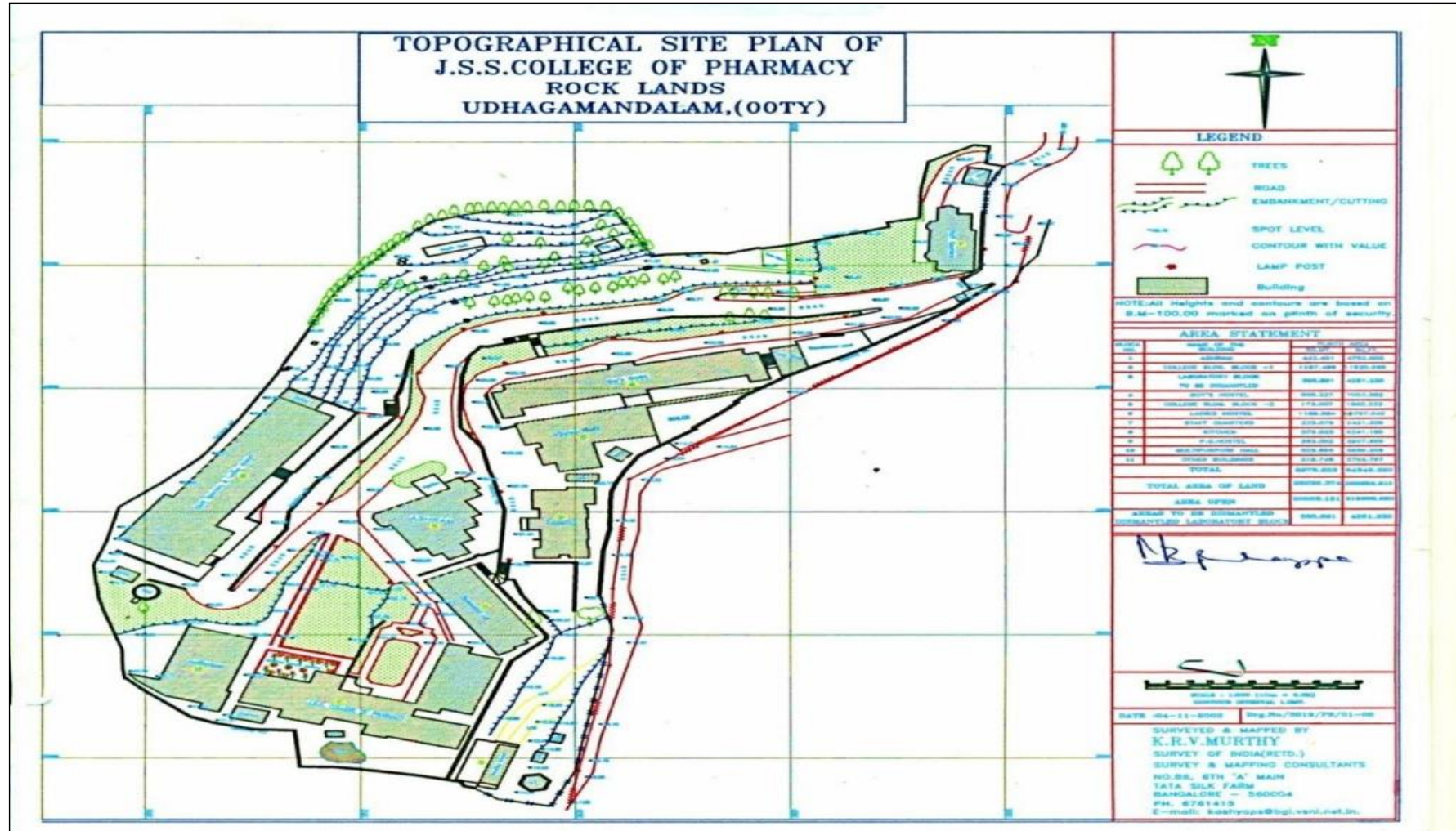
AREA in Sq. Mt - 1,76,459.63

AREA in Sq. Ft - 1,899,411.41

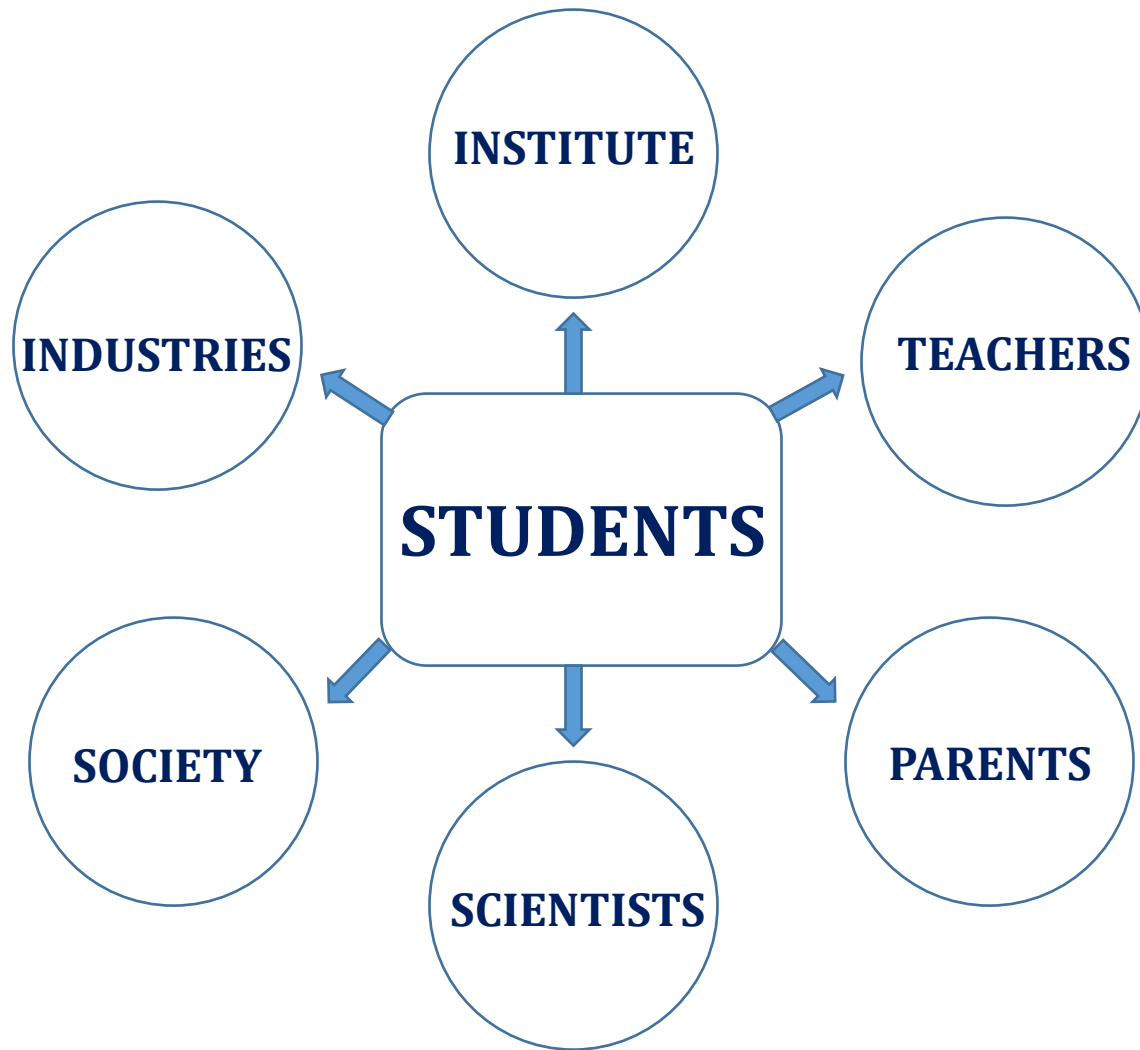
AREA in Acres - 43.60



# JSS PHARMAY INSTITUTIONS CAMPUS OF JSSAHER TOPOGRAPHICAL VIEW



# SMART CAMPUS – BEGINNING & STAKE HOLDERS



For meaningful and successful sustainability programs in campus we need to

- ❖ Set clear strategies and goals
- ❖ Comprehensive approach
- ❖ Integrate students, faculty, staff and external partners
- ❖ Initiate pilot projects in several areas involving students
- ❖ Plan policies, financial resources, facilities management, curriculum, sustainability literacy, ecosystems, land use, energy resources, etc.

## SMART CAMPUS POLICY

### **OBJECTIVE:**

- ✓ Embed the use of smart technology into daily life of the campus; providing an opportunity for the development and application of innovation and technology to support a smart campus.
- ✓ Integrate an enhanced process and programme focused on materials, security, health, transport, energy and environmental management.
- ✓ Focus on maintaining “Eco friendly institution” through best practices.
- ✓ Provide world class facilities and enabling nationally and internationally renowned industrial/institutional partners leading to meaningful collaboration.



## SMART CAMPUS POLICY

### **a). Students Centric:**

- ✓ Students are fully safe and secure with homely atmosphere and are being monitored round the clock.
- ✓ Students have dedicated band width with high speed internet both on campus and hostel rooms.
- ✓ Smart Metering has given lot of data in terms of consumption pattern based on which several optimization measures have been implemented.

### **b). ICT enabled:**

- ✓ Physical security of students in the campus was a big challenge.
- ✓ 400 CCTV cameras are in operations for surveillance at all times.
- ✓ Wi-Fi enabled.
- ✓ Students needed a SMART portal where in all services are taken care centrally from student entry in hostel and to their exit. Smart Portal was made operational for connectivity with students at all times.

## SMART CAMPUS POLICY

### **c). Environment Friendly:**

- ✓ JSS AHER has adopted an energy / resources conservation and recycling policy.
- ✓ Energy conservation measures will be achieved by using the most cost-effective, energy-efficient approach with consideration given for flexibility of use and future remodeling convenience. Recycling efforts are encouraged at the Institution/department level.
- ✓ All faculty, staff, students, design consultants, and construction contractors observe energy and resource conservation measures employed by the campus.
- ✓ The Transport Policy provides standard procedure for the acquisition, enhancement, use, control, maintenance, repair, checking fuel efficiency and disposal of the vehicles and for the management of related forms of transport engaged for official purpose.

# STATUS OF SMART CAMPUS PROJECT

## BUILDING & INFRASTRUCTURE

- Accessibility
- Safety and Security
- Energy efficient
- Rain Water Harvesting
- Walkable campus
- Bicycle
- Sustainable Transport
- Road network
- Signage

## EDUCATION, LEARNING & DIGITIZATION

- Smart Classroom
- E-Resources
- Wi-Fi Connectivity
- ICT Enabled services
- Modular Laboratories
- Innovation Centre
- Virtual Class and Laboratories
- Outreach Programmes

## SPORTS & RECREATION

- Playgrounds
- Sport facilities- Indoor and Outdoor
- Recreational space
- Open Gym
- Yoga facilities
- Amusement park
- Open air theatre
- Swimming pool

## SAFETY & SECURITY

- CCTV surveillance
- Fire alarms
- Fire fighting
- Peripheral safety
- Visitor management system
- Biometric system
- Anti-ragging
- Women safety
- Student counselling

## WASTE, WATER & AIR MANAGEMENT

- Sanitation and cleanliness
- STP
- Solid waste management
- Plastic waste management
- E-waste management
- Automatic sensor taps
- Air monitoring system

## UTILITIES

- Solar Projects
- Smart lighting System
- Emergency power backup
- Smart micro grids
- Bio-gas plant
- Kiosks

## GREEN ENVIRONMENT RESILIENCE

- Green Campus
- Landscaping
- Preserving open space
- Soil erosion control
- Ground water recharging

## SERVICES & CONNECTIVITY

- Online services
- Amenities- Bank, Food court, Stationery, pharmacy
- Wi-Fi Services
- LAN

## GOVERNANCE

- ERP
- Less paper Office
- Training and Development
- ART- Accountability, Responsibility, Transparency

## FOOD & HEALTH

- Wellness Centre
- Health Centre
- Potable water facility
- Personal Hygiene
- Nutritional Values
- Dietary Components



# VISIT TO SANKALP APARTMENTS – BIO WASTE MANAGEMENT





# **ACHIEVEMENT OF KEY ELEMENTS - VALIDATION**

## **GREEN BUILDING AUDIT**

### **INDIAN GREEN BUILDING COUNCIL (IGBC)**

**Consultancy by Godrej**

#### **IGBC Rating Program to suit Different Building Types**

IGBC Green Homes

IGBC Green Factory Buildings

IGBC Existing Buildings

IGBC Green Townships

IGBC Green Landscapes

IGBC Green Interiors

IGBC Green School

IGBC Green Campus

IGBC Green New Buildings

IGBC Green Data Centre

IGBC Green Healthcare

# ACHIEVEMENT OF KEY ELEMENTS

## GREEN BUILDING AUDIT- INDIAN GREEN BUILDING COUNCIL (IGBC)

### Consultancy by Godrej

No	Category	Points
1	Site Planning & Management	22
2	Sustainable Transportation	11
3	Water Conservation	18
4	Energy Efficiency	21
5	Material & Resources	03
6	Health & Well being	06
7	Green Education (GE)	03
8	Innovative Practices	06
	<b>Total</b>	<b>90</b>

Certification Level	New Campus	Existing Campus	Recognition
Certified	40 - 49	36 - 44	Best Practices
Silver	50 - 59	45 - 53	Outstanding Performance
Gold	60 - 74	54 - 66	National Excellence
Platinum	75 - 100	67 - 90	Global Leadership

**5 categories prerequisite & 29 possible credits**

# SOCIAL RESPONSIBILITY - TOUCHING THE LIVES OF MILLIONS



JSS AHER'S Social Responsibility is an approach of ethical and intelligent management, which involves both its impact on its human, social and natural context, and its active role on the promotion of Sustainable Human Development of the country. Within this approach, "Sustainable Campus" is a strategy that strives to reduce the ecological footprint of the Institution via a rational use of resources and to educate the JSSAHER community on the ethics of sustainability.

## TOUCHING THE LIVES

### OF the students

1. As a most respected Higher Education Institute in the health sciences attracting students from a range of backgrounds nationally and internationally.
2. Responsive to students with a shared understanding of our mutual responsibilities.
3. Student support that covers all issues including support to low-income group students.
4. Transforming students as responsible citizens for a Sustainable Development.

### OF the staff

1. Adopt best practices in its Human Resources Management policies and Practices.
2. Professional development.
3. Observe the fundamental tenets of human rights, safety and non-discrimination.
4. Involve employees in the decision-making processes, where appropriate.
5. Providing opportunities for staff to undertake projects with local communities.



# **SOCIAL RESPONSIBILITY - TOUCHING THE LIVES OF MILLIONS**

## **TOUCHING THE LIVES**

### ***OF our environment***

1. Ensure that the developments in JSS AHER are sustainable and do not have a negative impact on the environment.
2. Promote the concepts of the 3Rs of Reduction, Reuse and Recycling and eliminate, where possible, the use of non- degradable materials.
3. Aim for a continuous reduction of the carbon footprint of the Institution.
4. Provide equipment, training and other resources to ensure a healthy and safe environment for the students and staff.
5. Continuously work and evolve environmental improvements in the way we manage our transport, waste and energy.

## **TOUCHING THE LIVES**

### ***OF our City and our Community***

1. To work with the City of Mysore and regional partners to raise the health profile of the City and neighboring districts ; and in partnership help secure the economic, health, social and cultural regeneration of the City and region.
2. Make significant and major contributions through our Faculty to the Social Responsibility agenda including:
  - the training of the future health professional workforce
  - The ongoing support for health professionals
  - Support JSS Hospital to provide access to quality healthcare at affordable costs
  - Nurture and contribute to research that impacts healthcare and health policies and makes significant contribution to national and global health.
4. Working with young people in local schools:
  - to discuss health and science and its relevance to their everyday lives
  - to inspire them to consider careers in science and health
  - to devise creative and fun activities to help engage them
5. By involving the public/patients in our work to improve the quality of our teaching and healthcare delivery.

# SMART CAMPUS INITIATIVES IN LINE WITH SUSTAINABLE DEVELOPMENT GOALS (SDGs OF THE UN)

## SUSTAINABLE DEVELOPMENT GOALS

**1** NO POVERTY



**2** ZERO HUNGER



**3** GOOD HEALTH AND WELL-BEING



**4** QUALITY EDUCATION



**5** GENDER EQUALITY




**6** CLEAN WATER AND SANITATION



**7** AFFORDABLE AND CLEAN ENERGY



**8** DECENT WORK AND ECONOMIC GROWTH



**9** INDUSTRY, INNOVATION AND INFRASTRUCTURE



**10** REDUCED INEQUALITIES



**11** SUSTAINABLE CITIES AND COMMUNITIES



**12** RESPONSIBLE CONSUMPTION AND PRODUCTION



**13** CLIMATE ACTION




**14** LIFE BELOW WATER



**15** LIFE ON LAND



**16** PEACE, JUSTICE AND STRONG INSTITUTIONS



**17** PARTNERSHIPS FOR THE GOALS

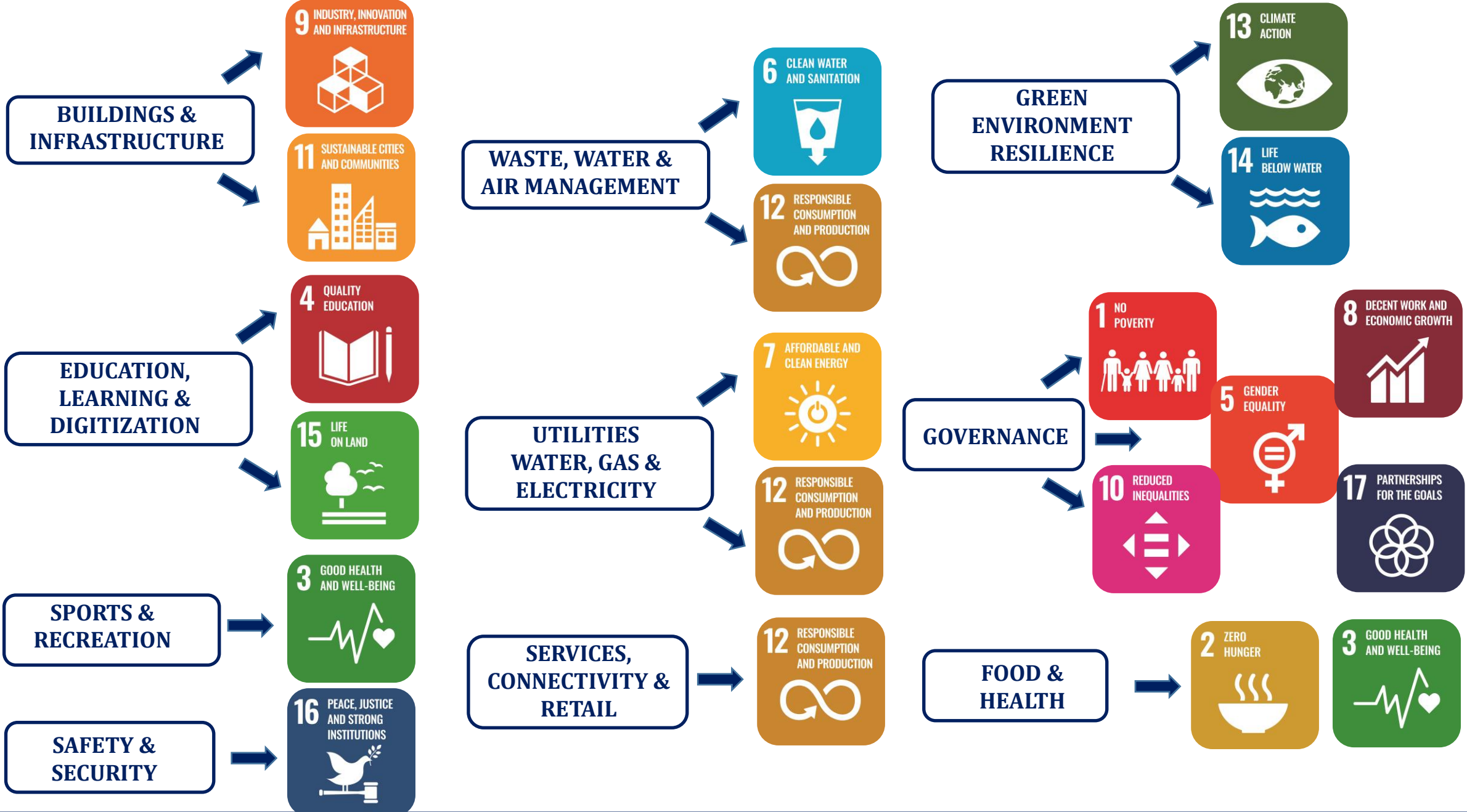




# INTEGRATION OF SDGs INTO KEY ELEMENTS OF SMART CAMPUS

No	KEY ELEMENTS	SDGs
1	BUILDINGS & INFRASTRUCTURE	SDG 9 (Industry, Innovation & Infrastructure), SDG 11 (Sustainable Cities & Communities)
2	EDUCATION, LEARNING & DIGITISATION	SDG 4 (Quality Education), SDG 15 (Life on Land)
3	SPORTS & RECREATION	SDG 3 (Good Health & Well- Being)
4	SAFETY & SECURITY	SDG 16 ( Peace, Justice & Strong Institutions)
5	WASTE, WATER, AIR MANAGEMENT	SDG 6 (Clean Water & Sanitation), SDG 12 (Responsible Consumption & Production)
6	UTILITIES - WATER, GAS, ELECTRICITY	SDG 7 (Affordable & Clean Energy), SDG 12 (Responsible Consumption & Production)
7	SERVICES, CONNECTIVITY & RETAIL	SDG 12 (Responsible Consumption & Production)
8	GREEN ENVIRONMENT RESILIENCE	SDG 13 (Climate Action), SDG 14 (Life Below Water)
9	GOVERNANCE	SDG 1 (No Poverty), SDG 5 (Gender Equality), SDG 8 (Decent Work & Economic Growth), SDG 10 (Reduced Inequalities), SDG 17 (Partnerships for the Goals)
10	FOOD & HEALTH	SDG 2 (Zero Hunger), SDG 3 (Good Health & Well-Being)





# STUDENTS SUSTAINABILITY PROJECT OF THE YEAR – INTERNATIONAL RECOGNITION – ASIA PACIFIC TRIPLE E AWARDS





# CULTIVATION OF SPIRULINA - NUTRITIONAL DRINK EMPHASIZING ON WOMEN HEALTH - TOP 5 STARTUPS BY TiE - MYSURU CHAPTER





Sustainable Development Goal Ranks of JSSAHER				
SDG No.	Goal	2019	2020 (India)	2020 (Global)
	Overall Ranking	101 - 200	3	201 - 300
1	No Poverty	-	2	60
2	Zero Hunger	-	2	101 - 200
3	Good Health and Well Being	46	1	20
4	Quality Education	201 - 300	13	401 - 600
5	Gender Equality	201+	2	101 - 200
6	Clean Water & Sanitation	-	12	101 - 200
7	Affordable & Clean Energy	-	7	101 - 200
8	Decent Work and Economic Growth	-	6	400+
9	Industry, Innovation and Infrastructure	201 - 300	12	400+
10	Reduced Inequalities	101 - 200	7	301 - 400
11	Sustainable Cities and Communities	101 - 200	5	301 - 400
12	Responsible Consumption & Production	16	6	201 - 300
13	Climate Action	-	2	101 - 200
14	Life Below Water	-	-	-
15	Life on Land	-	3	73
16	Peace, Justice and Strong Institutions	91	8	400+
17	Partnership for the Goals	201 - 300	5	201 - 300

# THE Impact Rankings 2021

- Home
- Data+
- Explore
- New Data
- Reputation
- WUR Release
- NEW** SDG Impact
  - Dashboard
  - Overview
- Settings
- Logout
- Cookie Policy
- Terms and Conditions

## THE Impact Rankings 2021

Data & methodology [Download](#)

**OVERALL SCORE**

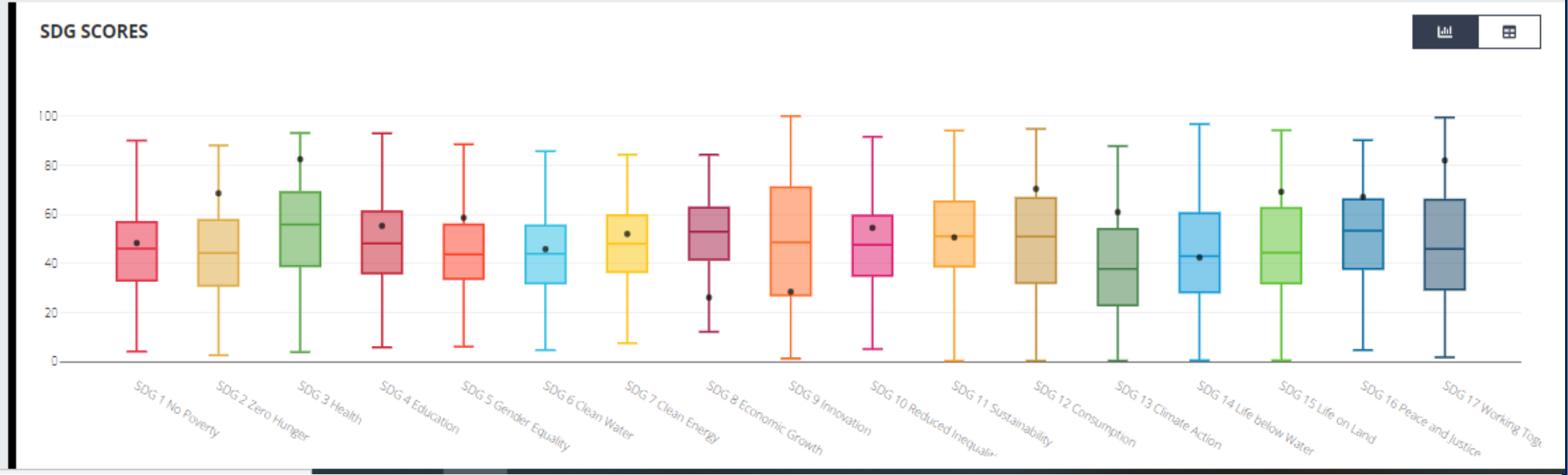
**80.3** out of 100

**OVERALL RANK**

**101-200** out of 1117 institutions

**SDG PARTICIPATED**

**17** out of 17 Sustainable Development Goals



# THE Impact Rankings 2021

JSS Academy of Higher Education and Research

12 

## RESPONSIBLE CONSUMPTION AND PRODUCTION

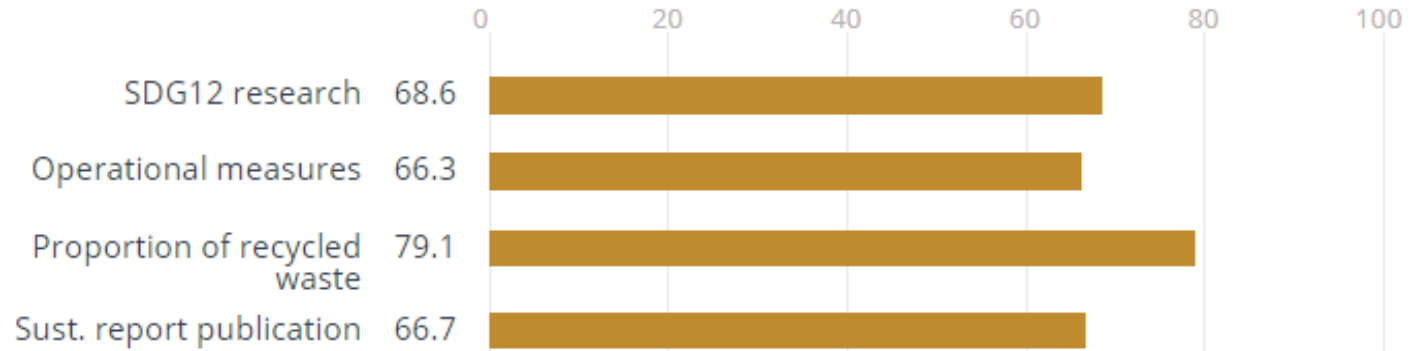
QUALIFYING SDG - 26% OF OVERALL

SCORE

**70.4**

RANK

**97** out of **503** institutions



13 

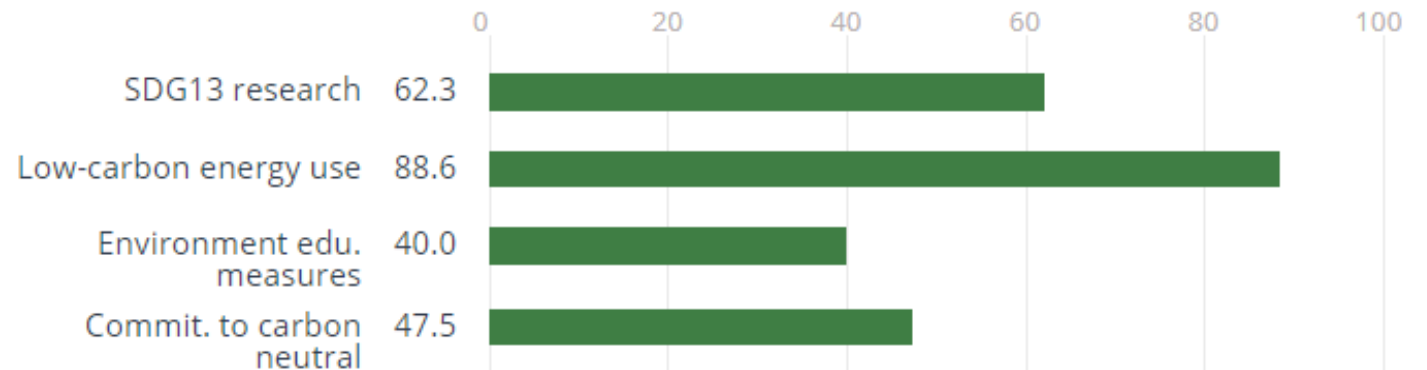
## CLIMATE ACTION

SCORE

**60.9**

RANK

**=81** out of **566** institutions



# THE Impact Rankings 2021

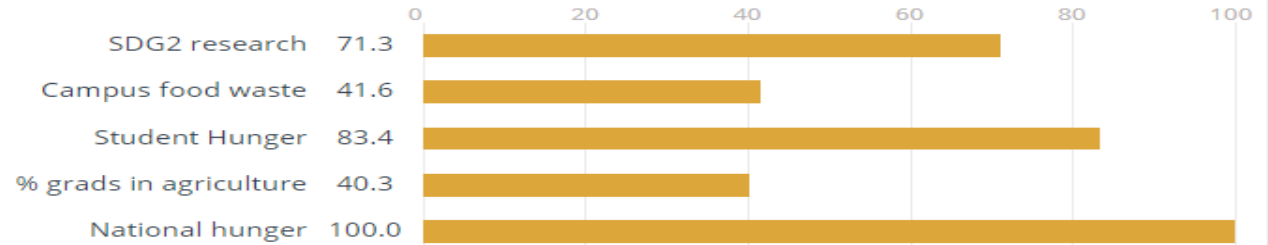
JSS Academy of Higher Education and Research

2 

## ZERO HUNGER

QUALIFYING SDG - 26% OF OVERALL

SCORE **68.6** RANK **=49** out of 442 institutions

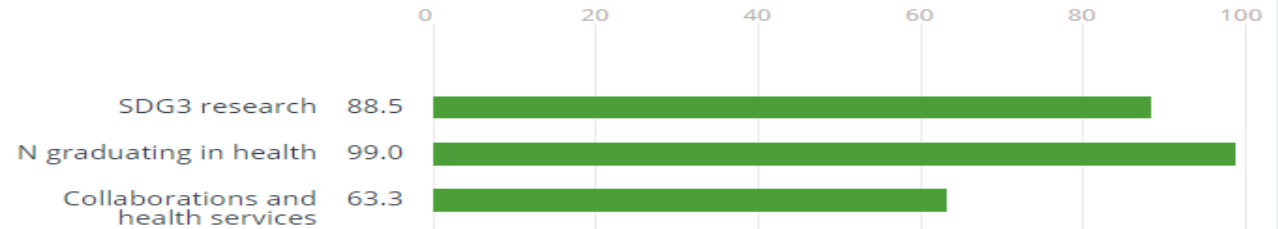


3 

## GOOD HEALTH AND WELLBEING

QUALIFYING SDG - 26% OF OVERALL

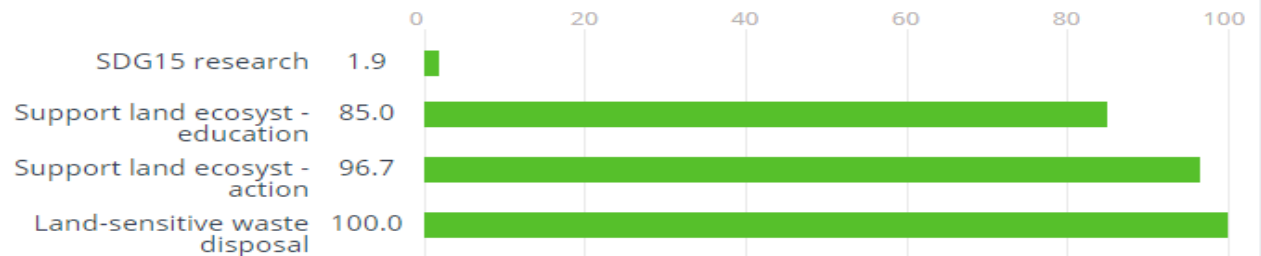
SCORE **82.5** RANK **52** out of 871 institutions



15 

## LIFE ON LAND

SCORE **69.2** RANK **=70** out of 402 institutions



*Sustainable Life @*



*“Leaving No One Behind”*

*Sustainable Development Goals*

*Smart Campus*



JSS Academy of Higher Education & Research (JSSAHER)  
Mysuru, Karnataka, India

## **Social Responsibility Statement**

*‘Touching the lives of Millions’*



Proud moment

**His Holiness Swamiji-Chancellor with  
Excellency Late Dr. APJ Abdul Kalam,  
Former President of India**

JSSAHER’S Social Responsibility is an approach of ethical and intelligent management, which involves both its impact on its human, social and natural context, and its active role on the promotion of Sustainable Human Development of the country. Within this approach, “Sustainable Campus” is a strategy that strives to reduce the ecological footprint of the Institution via a rational use of resources and to educate the JSSAHER community on the ethics of sustainability.

JSSAHER with the legacy of more than 1000 years of its Founding organization Sri Suttur Math and the sponsoring society–JSS Mahavidyapeetha is acutely aware of its social responsibilities and is confident in stating that it already goes well beyond what is expected of an organization.

## *JSSAHER and its Social Responsibility*

Although Corporate Social Responsibility (CSR) is a relatively new concept, JSSAHER has embraced CSR principles based on the contributions made for several decades, particularly at a local and regional level. An organisation's internal and external practices can influence their employees, customers, partners and environment in a positive manner.

This document highlights our commitment to CSR locally, regionally, nationally and internationally. The JSSAHER's vision is nurture and develops the talents of students and to create applicable knowledge in order to support social and economic advancement.

Social Responsibility is part of the JSSAHER'S Strategic plan and is important to our Institution, Faculty and students and aims at making Organizational, Cognitive, social and educational impact.

*JSSAHER is committed –*

1. To promote ethical standards to be adopted by students, staff and other members of JSSAHER community.
2. To raise the educational aspirations of people in the community, as well as across the country and encourage their greater participation in higher education.
3. To encourage an inclusive environment without barriers to achievement, where students and staff are highly valued, based on mutual respect.
4. To provide a Higher Education Institute campus environment and range of facilities, both educational and recreational, which are attractive, accessible and stimulating.
5. To integrate with and support the needs of our community and our region.
6. To embrace environmental responsibility and sustainable development principles, to make a positive contribution to urban regeneration and to ensure that any adverse environmental impact of our activities is minimized.

## Touching the lives....

### *To the students*

1. As a most respected Higher Education Institute in the health sciences attract students from a range of backgrounds nationally and internationally.
2. Listening and responding to the student voice, with a shared understanding of our mutual responsibilities.
3. Providing a range of student support that covers all issues including support too low-income group students.
4. Student preparation towards a responsible citizenship for a Sustainable Development.

### *To the staff*

1. Adopt best practices in its Human Resources Management policies and Practices.
2. Assist staff to develop their full potential as members of the JSSAHER's workforce and provide opportunities for professional development.
3. Observe the fundamental tenets of human rights, safety and non-discrimination.
4. Provide fair compensation and implement minimum wages policy.
5. Involve employees in the decision-making processes, where appropriate.
6. Providing opportunities for staff to undertake projects with local communities.



### ***To our environment***

1. Ensure that the developments in JSS AHER are sustainable and do not have a negative impact on the environment.
2. Promote the concepts of the 3Rs of Reduction, Reuse and Recycling and eliminate, where possible, the use of non-degradable materials.
3. Aim for a continuous reduction of the carbon footprint of the Institution.
4. Provide equipment, training and other resources to ensure a healthy and safe environment for the students and staff.
5. Continuously work and evolve environmental improvements in the way we manage our transport, waste and energy.

### ***To our City and our community***

1. To work with the City of Mysore and regional partners to raise the health profile of the City and the Mysore and neighboring districts ; and in partnership help secure the economic, health, social and cultural regeneration of the City and region.
2. Enriching the Institution and City socially, culturally and economically, with our diverse and vibrant student population.
3. Make significant and major contributions through our Faculty to the Social Responsibility agenda including:
  - the training of the future health professional workforce
  - the ongoing support for health professionals
  - support JSS Hospital to provide access to quality healthcare at affordable costs
  - Nurture and contribute to research that impacts healthcare and health policies and makes significant contribution to national and global health.
4. Working with young people in local schools:
  - to discuss health and science and its relevance to their everyday lives
  - to inspire them to consider careers in science and health and apply to Institution in the future
  - to devise creative and fun activities to help engage them
5. By involving the public/patients in our work to improve the quality of our teaching and healthcare delivery.

## **Proud to be touching the lives of millions!**

Being socially responsible, be it as an individual, a group, or an organization is something we believe in very strongly and it makes us proud, as a Higher Education Institution, to highlight our commitment in this area. JSSAHER is acutely aware of its responsibilities to its community, its city and its wider environment and the way it touches the 'Lives of Millions'.

### ***JSS Academy of Higher Education & Research***

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