

COMPENDIUM ON SDG 9

Industry, Innovation, and Infrastructure

2020-2021



**Build resilient
infrastructure, promote
inclusive and sustainable
industrialization and
foster innovation**

CONTENTS

- INNOVATION & RESEARCH ACTIVITIES OF JSSAHER - SPARKLE CINE FOUNDATION, REGISTERED UNDER SECTION-8 OF THE COMPANIES ACT, 2013.
- INNOVATION & RESEARCH ACTIVITIES THROUGH ACADEMIC PROGRAMS AT JSSAHER
- PUBLICATIONS SUPPORTING SDG 9
- INFRASTRUCTURE SUPPORTING SDG 9
- POLICIES SUPPORTING SDG 9

JSS Academy of Higher Education & Research provides financial assistance to the local community assisting the start-up of sustainable businesses.

SPARKLE CINE foundation of JSSAHER

[JSSAHER SPARKLE CINE | Home \(jssuni.edu.in\)](https://jssuni.edu.in/jssaher/sparklecine/)

<https://jssuni.edu.in/jssaher/sparklecine/>

[JSS Academy of Higher Education & Research | Activity & Events \(jssuni.edu.in\)](https://jssuni.edu.in/jssaher/activities-and-events/ActivityAndEventList.aspx?CATCODE=ENT&OPTION=0)

<https://jssuni.edu.in/jssaher/activities-and-events/ActivityAndEventList.aspx?CATCODE=ENT&OPTION=0>

JSSAHER Through SPARKLE CINE foundation, which is registered under Section-8 of the Companies Act,2013 (Under the aegis of JSSAHER (CIN : U85300KA2018NPL112985) signed MoU with Technical Consultancy Services Organization of Karnataka (TECSOK) a Government of Karnataka Organization under the Department of Industries and Commerce, Government of Karnataka, for establishment of Centre of Excellence in Entrepreneurship Development.

The activity of the Centre focuses on development of Karnataka (TECSOK) and executed by JSS of entire innovation driven startup ecosystem including entrepreneurship awareness, handholding research outcomes from lab to market, encouraging innovations that is relevant to society, addressing the societal problems using startups, exploring funding opportunities for both proof of concept as well as initial setting up of businesses and capital for scaling the business with the expertise of TECSOK. The activities are supported by Technical Consultancy Services Government Academy of Higher Education & Research, Mysuru.

Dr. Prahant is one of the members of Strategic Advisory Board (SAB) Of TECSOK, Govt. of Karnataka. And also the member of EDP Syllabus Design Core Committee TECSOK, Govt. of Karnataka.



The banner features a dark green background with white and orange text. At the top left is the JSS logo. To its right are contact details: '+91 9341816701', 'scf@jssuni.edu.in', 'Activities & Events', and 'Download Brochure'. The main title 'Empowering Entrepreneurship' is in large white font, with 'Empowering' in orange. Below it is 'SPARKLE CINE FOUNDATION' in orange. Registration details are listed in white: 'Registered under Sec.8 of the Companies Act, 2013 [Under the aegis of JSS Academy of Higher Education & Research] CIN : U85300KA2018NPL112985 Email : scf@jssuni.edu.in Tel no: +91 9341816701 Website : https://jssuni.edu.in/jssaher/sparklecine/ Registered Office : JSS Academy of Higher Education & Research, Bannimantapa, B Badavane, Sri Shivarathreshwara Nagar, Mysuru - 570 015, Karnataka, India'. The SPARKLE CINE logo, a stylized orange flower, is on the right. Below it is the text 'SPARKLE CINE Empowering Entrepreneurship'. At the bottom left is '© SPARKLE CINE 2019. BY JSSAHER'. At the bottom right are social media icons for Twitter, Facebook, and YouTube.

ESTABLISHED 2018

Empowering Entrepreneurship

SPARKLE CINE FOUNDATION

Registered under Sec.8 of the Companies Act, 2013
[Under the aegis of JSS Academy of Higher Education & Research]
CIN : U85300KA2018NPL112985
Email : scf@jssuni.edu.in Tel no: +91 9341816701
Website : https://jssuni.edu.in/jssaher/sparklecine/
Registered Office : JSS Academy of Higher Education & Research,
Bannimantapa, B Badavane, Sri Shivarathreshwara Nagar,
Mysuru - 570 015, Karnataka, India

SPARKLE CINE
Empowering Entrepreneurship

© SPARKLE CINE 2019. BY JSSAHER



07/09/2021

Dr. Prashanth S
Deputy Director (Academics)
JSS Academy of Higher Education & Research,
Mysuru

Dear Sir,
Greetings from TECSOK!

Sub: Inviting as member of Strategic Advisory Board (SAB), EDP-TECSOK

We are pleased to note your Competency and Commitment in the area of Entrepreneurship Development and Knowledge in taking the subject holistically across ages and disciplines.

TECSOK being a Government Organization and having a mandate to hand hold and Empower MSME, has formed Strategic Advisory Board and request you to be on the Board to take Mission TECSOK forward.

The Terms and Format of Roles and Responsibility will be sent separately.

With Warm Regards

Dr. M. B. Gururaj
Chief Mentor
TECSOK.



AGENDA

EDP SYLLABUS DESIGNING MEETING

Date: 16 July 2021

Time: 2.00 pm to 3.00 pm

Invitees:

1. Shri. M.S.Bhat, Senior Consultant, TECSOK.
2. Dr. M. B. Gururaj, Chief Mentor, TECSOK.
3. Dr. Usha Gopinath International EDP Trainer.
4. Dr. Prashanth, Deputy Director (Academics) JSS Academy of Higher Education & Research, Mysuru.
5. Dr. Sukanya Hegde Financial Education Trainer, SEBI.
6. Dr.S.Muralidhar, HOD of Commerce and Management, Government First Grade College, Kolar.
7. Mrs. Vanishree J, Department of Employment and Training, Kolar.

Following are the Discussion for today's meeting:

1. School Education – VIII to XII
2. Professional Graduates
3. SHG and Startups
4. Women Development
5. Agricultural/ Health care/ Manufacturing.

All are requested to attend.

Dedicated outreach educational activities for the wider community

TOTAL NUMBER OF ACTIVITIES CONDUCTED: 21

Details of the Activities Conducted: ENTREPRENEURSHIP DEVELOPMENT PROGRAMS - 8

SI No	Event Title	Date of Conduct	Mode of Conduct
1	1 st Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka	1 st to 10 th August 2020 (10 Days)	Online
2	2 nd Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka	18 th to 28 th August 2020 (10 Days)	Online
3	3 rd Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka In collaboration with REVA College of Engineering and East & West College of Engineering, Bangalore	3 rd to 16 th September 2020 (10 Days)	Online
4	4 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka	5 th to 16 th Oct 2020 (10 Days)	Online
5	5 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka conducted at Health System Management Studies Facility at Ramanuja Road, JSS AHER	15 th to 24 th Feb 2021 (10 Days)	Face-to-Face
6	5 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka in association with Hindustan Aeronautics Limited (HAL) Management Academy, Bangalore	5 th to 9 th July 2021 (5 days – Morning Session)	Online
7	6 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka in association with training and placement cell of JSS College of Pharmacy, Mysuru	6 th to 10 th July 2021 (5 Days – Afternoon Session)	Online
8	6 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka in association with training and placement cell of JSS College of Pharmacy, Mysuru	26 th to 30 th July 2021	Online

Details of the Activities Conducted (Cont....): INNOVATION & DEVELOPMENT PROGRAMS - 13

SI No	Event Title	Date of Conduct	Mode of Conduct
1	BIG – Biotechnology Ignition Grant In association with Startup & Innovation Centre IIT Kanpur, JSS Science & Technology University, Mysuru	29th January 2021	Online
2	Webinar on 3D Printing in Health and Life Sciences	28th January 2021	Online
3	Idea Innovation & Entrepreneurship	22nd January 2021	Online
4	JSS Start-up Network for research collaboration in association with JSS STEP, JSS Academy of Technical Education, Noida	15th December 2020	Online
5	Medical Mobile application development in association with JSS Dental College & Hospital, Mysuru	12th May 2020	Online
6	Webinar on Nurturing research and support in Health care	9th January 2020	Online
7	Innovation day celebration	15th October 2019	Face-to-face
8	Validating a business idea In association with Health System Management Studies, JSS AHER	9th September 2019	Face-to-Face
9	Entrepreneurship Awareness Program	24th August 2019	Face-to-Face
10	Innovation and Research Benchmarking in Higher Education Institutions	7th June 2019	Face-to-Face
11	Indian Research Information Network System	24th January 2019	Face-to-Face
12	Awareness Program Technology Platform For Teaching Learning About Academic Tools From INFLIBNET	11th January 2019	Face-to-Face
13	Workshop on Intellectual Property Rights	10th January 2019	Face-to-Face

WEBLINK for ACTIVITIES: <https://jssuni.edu.in/jssa/activities-and-events/ActivityAndEventList.aspx?CATCODE=ENT&OPTION=0>



ಕರ್ನಾಟಕ ಸರ್ಕಾರ: ಕಾರ್ಮಿಕ ಇಲಾಖೆ
GOVERNMENT OF KARNATAKA : DEPARTMENT OF LABOUR
ಸಂಸ್ಥೆಗಳ ನೋಂದಣಿ ಪತ್ರ
REGISTRATION CERTIFICATE OF ESTABLISHMENT

ನಮೂನೆ 'ಸಿ' (4ನೇ ನಿಯಮವನ್ನು ನೋಡಿ)

FORM 'C' - (See Rule 4)

ನೋಂದಣಿಯ ಕ್ರಮ ಸಂಖ್ಯೆ
Registration No.

MY2/2/S/0049/2020

ಸಂಸ್ಥೆಯ ಹೆಸರು
Name of the Establishment

ಸ್ಪಾರ್ಕ್ಲೆ ಸಿನಿ ಫೌಂಡೇಶನ್
SPARKLE CINE FOUNDATION

ಮಾಲೀಕರ ಹೆಸರು
Name of the Employer.

ಸುರೇಶ್ ಭೋಜರಾಜ್
Suresh Bhojaraj

ವ್ಯಾಪಾರದ ಸ್ವರೂಪ
Nature of Business

ಸ್ಪಾರ್ಕ್ಲೆ ಸಿನಿ ಫೌಂಡೇಶನ್
SPARKLE CINE FOUNDATION

ಸಂಸ್ಥೆಯ ಅಂಚೆ ವಿಳಾಸ

ಜೆಎಸ್‌ಎಸ್ ಅಕಾಡೆಮಿ ಆಫ್ ಹೈಯರ್ ಎಜುಕೇಶನ್ ಅಂಡ್ ರಿಸರ್ಚ್, ಬಿ ಬಾದವಾನೆ,
ಬನ್ನಿಮಂತಪ, ಶ್ರೀ ಶಿವರಾತ್ರಿಶಿವರ ನಗರ, ಮೈಸೂರು, 570015,

Postal Address of the
Establishment

JSS Academy of High, SPARKLE CINE FOUNDATION, B Badavane,
Bannimantapa, Sri Shivarathreeswara Nagara, Mysore, 570015,

Telephone / Mobile No.
(ದೂರವಾಣಿ/ಮೊಬೈಲ್ ಸಂಖ್ಯೆ)

9845492823

Fax (ಫ್ಯಾಕ್ಸ್)

E-Mail (ಇ ಮೇಲ್)

nsureshmys@gmail.com

ಕೆಲಸಗಾರರ ಸಂಖ್ಯೆ
Number of Persons Employed

ಪು / M : 0

ಮ / F : 0

ಒಟ್ಟು / Total : 0

ನೋಂದಣಿ ಪಾವತಿ ಮಾಡಿದ ಶುಲ್ಕ
Registration Fee Paid

ರೂ. 300.00
Rs.

ಸಂ. & ದಿನಾಂಕ :
No. & Date :

0609148175916, 21-07-2020

ಹಿರಿಯ ಕಾರ್ಮಿಕ ನಿರೀಕ್ಷಕರ ಕಚೇರಿ - ವೃತ್ತ 2
#35A, ಅಕ್ಷರ ಭಂಡರದ ಎದುರು,
ಕುವೆಂಪುನಗರ ಮೈಸೂರು 570023,
ಕರ್ನಾಟಕ

Office of Senior Labour Inspector - Circle 2
#35A opp to Akshara Bandara Kuvempunagar
Mysore 570023
Karnataka

ಕರ್ನಾಟಕ ಅಂಗಡಿಗಳು ಮತ್ತು ವಾಣಿಜ್ಯ ಸಂಸ್ಥೆಗಳು ಕಾಯಿದೆ 1961 ರ ಪ್ರಕಾರ SPARKLE CINE FOUNDATION ನ್ನು ಈ
24-07-2020 ದಿನಾಂಕ ರಂದು ವಾಣಿಜ್ಯ ಸಂಸ್ಥೆಯಾಗಿ ನೋಂದಾಯಿಸಲಾಗಿದೆಯೆಂದು ಈ ಮೂಲಕ ಪ್ರಮಾಣೀಕರಿಸಲಾಗಿದೆ. ಈ ನೋಂದಣಿಯು
ದಿನಾಂಕ 31-12-2024 ರವರೆಗೆ ಜಾರಿಯಲ್ಲಿರುತ್ತದೆ.

It is hereby certified that the SPARKLE CINE FOUNDATION has been Registered as a Commercial
Establishment under the Karnataka Shops and Commercial Establishments Act. 1961, On 24-07-2020. The Registration
is valid upto 31-12-2024.

“ಕಲಂ 24 ರನ್ವಯ, 14 ವರ್ಷದೊಳಗಿನ ಮಕ್ಕಳ ನೇಮಕ ನಿಷೇಧಿಸಿದೆ”.

“U/S 24, employment of child below 14 years is prohibited”.

Senior Labour Inspector - Mysore 2

No: TMR/CHENNAI/EXM/2021/



भारत सरकार / GOVERNMENT OF INDIA
 व्यापार चिन्ह रजिस्ट्री / TRADE MARKS REGISTRY
 बौद्धिक सम्पदा भवन जी एन टी रोड गुन्डी, चेन्नई - 600032
 Intellectual Property Building , G. S. T. Road, Guindy, Chennai-600032



From : The Registrar of Trade Marks, CHENNAI

Date: 27/05/2021 18:17:56

To,
 SAJEEVKUMAR S NAIR
 GNANLEX ASSOCIATES LLP, #335, V-MALL, ASHA NAGAR, NEAR SAI DHAM, THAKUR COMPLEX,
 KANDIVLI (EAST), MUMBAI - 400 101

Application No: 4958330 in Class/Classes : 41

In the name of M/s: SPARKLE CINE FOUNDATION

Gentlemen/Madam,

The above mentioned application has been examined under the provisions of Trade Mark Act, 1999 and Trade Mark Rules, 2002 and the trade mark applied for is open to objection under the following sections :

1. The Trade Mark application is open to objection on relative grounds of refusal under Section 11 of the Act because the same/similar trade mark(s) is/are already on record of the register for the same or similar goods/services. The detail of same/similar trade marks is enclosed herewith

The objection is raised under S 11 (1) of the Trade Marks Act, 1999, as the mark is identical with or similar to earlier marks in respect of identical or similar description of services and because of such identity or similarity there exists a likelihood of confusion on the part of the public.

Hence, the above application is liable to be refused. Accordingly, you are

requested to submit your response/submissions, if any, along-with supporting documents, with in One Month from the date of receipt of this Examination Report or you may apply for a hearing.

Please Note that if no reply is received or a request for a hearing is applied for within the above mentioned stipulated time ,the said application shall be treated to have been abandoned for lack of prosecution under Section 132 of the Trade Marks Act, 1999 and there after the status of application in the computer database shall reflect the factual position

Note:The reply should be submitted online through Comprehensive eFiling services or through email at parm.tmr@nic.in. With the subject as REPLY TO EXAMINATION REPORT.

Yours faithfully,
 SUDHAKAR KUMAR
 For Registrar of Trade Marks

Search Report

**GOVERNMENT OF INDIA
TRADE MARKS REGISTRY**



LOCATION:
SECTION: EXM
REPORT: EXM007

WORD MARK SEARCH REPORT
APPLICATION NUMBER: 4958330
Class : ---
TRADEMARK: 'SPARKLE CINE'

USER : SKU
PAGE:1
DATE: 13/05/2021

APPL NO	CLASS	CONFLICTING MARK	JOURNAL No	PROPRIETOR NAME	PROPRIETOR ADDRESS	STATUS	TM IMAGE
GOODS SERVICES							

2029241	41	SPARKLE COACHING CLASSES	1610	RAKESH M TIWARI	101-102-103, AMBIKA NIKETAN SHOPPING, NEAR STAR GYM, BHAIYA NAGAR, PUNAGAM SURAT GUJARAT.	Registered	
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APPLICATION DATE 27/09/2010

GOODS/SERVICE COACHING CLASS AND COMPUTER CLASS IN CLUDING CLASS-41.

2270375	41	Sparkle	1733	KALISTO TERRENCE RIBEIRO	SHOP NO. 7, MADHUBAN APARTMENT, OPP. DHURI TOWER, ANAND NAGAR, NAVGHAR VASAI (WEST) 401202 (INDIA)	Registered	
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APPLICATION DATE 23/01/2012

GOODS/SERVICE PLAY SCHOOL, NURSERY, JR. K.G. AND SR. K.G., TEACHER TRAINING COURSE, ART AND CRAFT CLASSES, SUMMER CAMP INCLUDING CLASS 41

4925344	41	SPARKLE		SPARKLE WELLNESS EDUSERVICES PRIVATE LIMITED	KOHALEWADI (KIRKATWADI), HN 640 LANE NO 8, NR CWPRS, GAT NO. 2, PUNE MH 411024 IN	Objected	
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APPLICATION DATE 28/03/2021
02:13:21

GOODS/SERVICE Physical fitness instruction, Physical fitness consultation, Sports and fitness, Fitness Physical fitness centres, Conducting fitness classes, Educational and training services relating to sport

SUDHAKAR KUMAR

For REGISTRAR OF TRADE MARKS

Exit

Print

Licence under section 8 (1) of the Companies Act, 2013
[Pursuant to rule 20 the Companies (Incorporation) Rules, 2014]

Section 8 Licence Number 111490

WHEREAS it has been proved to my satisfaction that SPARKLE CINE FOUNDATION , a person or an association of persons to be registered as a company under the Companies Act, 2013, for promoting objects of the nature specified in clause (a) of sub-section (1) of section 8 of the said Act, and that it intends to apply its surplus, if any, or other income and property in promoting its objects and to prohibit the payment of any dividend to its members;

NOW, THEREFORE, in exercise of the powers conferred by section 8 of the said Act, I, the Registrar at Bangalore, hereby grant, this licence, directing that the said person or association or persons be registered as a company with limited liability without the addition of the word "Limited", or as the case may be, the words "Private Limited" to its name, subject to the following conditions namely :

- (1) that the said company shall in all respects be subject to and governed by the conditions and provisions contained in its memorandum of association ;
- (2) that the profits, if any or other income and property of the said company, whensoever derived, shall be applied solely for the promotion of the object as set forth in its memorandum of association and that no portion thereof shall be paid or transferred, directly or indirectly, by way of dividend, bonus, or otherwise by way of profit, to persons who at any time are or have been members of the said company or to any of them or to any person claiming through any one or more of them;
- (3) that no remuneration or other benefit in money or money's worth shall be given by the company to any of its members except payment of out-of-pocket expenses, reasonable and proper interest on money lent, or reasonable and proper rent on premises let to the company;
- (5) that nothing in this clause shall prevent the payment by the company in good faith of prudent remuneration to any of its officers or servants (not being members) or to any other person (not being member), in return for any services actually rendered to the company;
- (6) that nothing in clauses (3), (4) and (5) shall prevent the payment by the company in good faith of prudent remuneration to any of its members in return for any services (not being services of a kind which are required to be rendered by a member), actually rendered to the company;
- (7) that no alteration shall be made to the memorandum of association or to the articles of association of the company, which are for the time being in force, unless the alteration has been previously submitted to and approved by the Registrar ;
- (8) The Company can be amalgamated only with another company registered under section 8 of the Act and having similar objects; and
- (9) that, without prejudice to action under any law for the time being in force, this licence shall be liable to be revoked, if the company:
 - (a) contravenes any of the requirements of section 8 of the Act or the rules made thereunder or any of the conditions subject to which a licence is issued;
 - (b) if the affairs of the company are conducted fraudulently or in a manner violative of the objects of the company or prejudicial to public interest.

DS MINISTRY OF CORPORATE AFFAIRS 17

M JAYAKUMAR
Registrar of Companies
Registrar of Companies
RoC - Bangalore

Dated this 05 Day of 04 2018





ಕರ್ನಾಟಕ ಸರ್ಕಾರ: ಕಾರ್ಮಿಕ ಇಲಾಖೆ
GOVERNMENT OF KARNATAKA : DEPARTMENT OF LABOUR

ಸಂಸ್ಥೆಗಳ ನೋಂದಣಿ ಪತ್ರ
REGISTRATION CERTIFICATE OF ESTABLISHMENT

ನಮೂನೆ 'ಸಿ' (4ನೇ ನಿಯಮವನ್ನು ನೋಡಿ)

FORM 'C' - (See Rule 4)

ನೋಂದಣಿಯ ಕ್ರಮ ಸಂಖ್ಯೆ
Registration No.

MY2/2/S/0049/2020

ಸಂಸ್ಥೆಯ ಹೆಸರು
Name of the Establishment

ಸ್ಪಾರ್ಕ್ಲೆ ಸಿನಿ ಫೌಂಡೇಶನ್
SPARKLE CINE FOUNDATION

ಮಾಲೀಕರ ಹೆಸರು
Name of the Employer.

ಸುರೇಶ್ ಭೋಜರಾಜ್
Suresh Bhojaraj

ವ್ಯಾಪಾರದ ಸ್ವರೂಪ
Nature of Business

ಸ್ಪಾರ್ಕ್ಲೆ ಸಿನಿ ಫೌಂಡೇಶನ್
SPARKLE CINE FOUNDATION

ಸಂಸ್ಥೆಯ ಅಂಚೆ ವಿಳಾಸ

ಜೆಎಸ್‌ಎಸ್ ಅಕಾಡೆಮಿ ಆಫ್ ಹೈಯರ್ ಎಜುಕೇಶನ್ ಅಂಡ್ ರಿಸರ್ಚ್, ಬಿ ಬಾದವಾನೆ,
ಬನ್ನಿಮಂತಪ, ಶ್ರೀ ಶಿವರಾತ್ರಿಶಿವರ ನಗರ, ಮೈಸೂರು, 570015,

Postal Address of the
Establishment

JSS Academy of High, SPARKLE CINE FOUNDATION, B Badavane,
Bannimantapa, Sri Shivarathreeswara Nagara, Mysore, 570015,

Telephone / Mobile No.
(ದೂರವಾಣಿ/ಮೊಬೈಲ್ ಸಂಖ್ಯೆ)

9845492823

Fax (ಫ್ಯಾಕ್ಸ್)

E-Mail (ಇ ಮೇಲ್)

nsureshmys@gmail.com

ಕೆಲಸಗಾರರ ಸಂಖ್ಯೆ
Number of Persons Employed

ಪು / M : 0

ಮ / F : 0

ಒಟ್ಟು / Total : 0

ನೋಂದಣಿ ಪಾವತಿ ಮಾಡಿದ ಶುಲ್ಕ
Registration Fee Paid

ರೂ. 300.00
Rs.

ಸಂ. & ದಿನಾಂಕ :
No. & Date :

0609148175916, 21-07-2020

ಹಿರಿಯ ಕಾರ್ಮಿಕ ನಿರೀಕ್ಷಕರ ಕಚೇರಿ - ವೃತ್ತ 2
#35A, ಅಕ್ಷರ ಭಂಡರದ ಎದುರು,
ಕುವೆಂಪುನಗರ ಮೈಸೂರು 570023,
ಕರ್ನಾಟಕ

Office of Senior Labour Inspector - Circle 2
#35A opp to Akshara Bandara Kuvempunagar
Mysore 570023
Karnataka

ಕರ್ನಾಟಕ ಅಂಗಡಿಗಳು ಮತ್ತು ವಾಣಿಜ್ಯ ಸಂಸ್ಥೆಗಳು ಕಾಯಿದೆ 1961 ರ ಪ್ರಕಾರ SPARKLE CINE FOUNDATION ನ್ನು ಈ
24-07-2020 ದಿನಾಂಕ ರಂದು ವಾಣಿಜ್ಯ ಸಂಸ್ಥೆಯಾಗಿ ನೋಂದಾಯಿಸಲಾಗಿದೆಯೆಂದು ಈ ಮೂಲಕ ಪ್ರಮಾಣೀಕರಿಸಲಾಗಿದೆ. ಈ ನೋಂದಣಿಯು
ದಿನಾಂಕ 31-12-2024 ರವರೆಗೆ ಜಾರಿಯಲ್ಲಿರುತ್ತದೆ.

It is hereby certified that the SPARKLE CINE FOUNDATION has been Registered as a Commercial
Establishment under the Karnataka Shops and Commercial Establishments Act. 1961, On 24-07-2020. The Registration
is valid upto 31-12-2024.

“ಕಲಂ 24 ರನ್ವಯ, 14 ವರ್ಷದೊಳಗಿನ ಮಕ್ಕಳ ನೇಮಕ ನಿಷೇಧಿಸಿದೆ”.

“U/S 24, employment of child below 14 years is prohibited”.

Senior Labour Inspector - Mysore 2

No: TMR/CHENNAI/EXM/2021/



भारत सरकार / GOVERNMENT OF INDIA
 व्यापार चिन्ह रजिस्ट्री / TRADE MARKS REGISTRY
 बौद्धिक सम्पदा भवन जी एन टी रोड गुन्डी, चेन्नई - 600032
 Intellectual Property Building , G. S. T. Road, Guindy, Chennai-600032



From : The Registrar of Trade Marks, CHENNAI

Date: 27/05/2021 18:17:56

To,
 SAJEEVKUMAR S NAIR
 GNANLEX ASSOCIATES LLP, #335, V-MALL, ASHA NAGAR, NEAR SAI DHAM, THAKUR COMPLEX,
 KANDIVLI (EAST), MUMBAI - 400 101

Application No: 4958330 in Class/Classes : 41

In the name of M/s: SPARKLE CINE FOUNDATION

Gentlemen/Madam,

The above mentioned application has been examined under the provisions of Trade Mark Act, 1999 and Trade Mark Rules, 2002 and the trade mark applied for is open to objection under the following sections :

1. The Trade Mark application is open to objection on relative grounds of refusal under Section 11 of the Act because the same/similar trade mark(s) is/are already on record of the register for the same or similar goods/services. The detail of same/similar trade marks is enclosed herewith

The objection is raised under S 11 (1) of the Trade Marks Act, 1999, as the mark is identical with or similar to earlier marks in respect of identical or similar description of services and because of such identity or similarity there exists a likelihood of confusion on the part of the public.

Hence, the above application is liable to be refused. Accordingly, you are

requested to submit your response/submissions, if any, along-with supporting documents, with in One Month from the date of receipt of this Examination Report or you may apply for a hearing.

Please Note that if no reply is received or a request for a hearing is applied for within the above mentioned stipulated time ,the said application shall be treated to have been abandoned for lack of prosecution under Section 132 of the Trade Marks Act, 1999 and there after the status of application in the computer database shall reflect the factual position

Note:The reply should be submitted online through Comprehensive eFiling services or through email at parm.tmr@nic.in. With the subject as REPLY TO EXAMINATION REPORT.

Yours faithfully,
 SUDHAKAR KUMAR
 For Registrar of Trade Marks

Search Report

**GOVERNMENT OF INDIA
TRADE MARKS REGISTRY**



LOCATION:
SECTION: EXM
REPORT: EXM007

WORD MARK SEARCH REPORT
APPLICATION NUMBER: 4958330
Class : ---
TRADEMARK: 'SPARKLE CINE'

USER : SKU
PAGE:1
DATE: 13/05/2021

APPL NO	CLASS	CONFLICTING MARK	JOURNAL No	PROPRIETOR NAME	PROPRIETOR ADDRESS	STATUS	TM IMAGE
GOODS SERVICES							

2029241	41	SPARKLE COACHING CLASSES	1610	RAKESH M TIWARI	101-102-103, AMBIKA NIKETAN SHOPPING, NEAR STAR GYM, BHAIYA NAGAR, PUNAGAM SURAT GUJARAT.	Registered	
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APPLICATION DATE 27/09/2010

GOODS/SERVICE COACHING CLASS AND COMPUTER CLASS IN CLUDING CLASS-41.

2270375	41	Sparkle	1733	KALISTO TERRENCE RIBEIRO	SHOP NO. 7, MADHUBAN APARTMENT, OPP. DHURI TOWER, ANAND NAGAR, NAVGHAR VASAI (WEST) 401202 (INDIA)	Registered	
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APPLICATION DATE 23/01/2012

GOODS/SERVICE PLAY SCHOOL, NURSERY, JR. K.G. AND SR. K.G., TEACHER TRAINING COURSE, ART AND CRAFT CLASSES, SUMMER CAMP INCLUDING CLASS 41

4925344	41	SPARKLE		SPARKLE WELLNESS EDUSERVICES PRIVATE LIMITED	KOHALEWADI (KIRKATWADI), HN 640 LANE NO 8, NR CWPRS, GAT NO. 2, PUNE MH 411024 IN	Objected	
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APPLICATION DATE 28/03/2021
02:13:21

GOODS/SERVICE Physical fitness instruction, Physical fitness consultation, Sports and fitness, Fitness Physical fitness centres, Conducting fitness classes, Educational and training services relating to sport

SUDHAKAR KUMAR

For REGISTRAR OF TRADE MARKS

Exit

Print



SPARKLE CINE
Empowering Entrepreneurship

Science **P**romotion through **A**dvancement of **R**esearch &
Knowledge for **L**ife through **E**ntrepreneurship

Centre for **I**Nnovation & Entrepreneurship

Policy & Framework



INDEX



1. Preamble
2. Working model
3. Value-added services
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10. Seed Funding and Grants
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13. Non-Compliance
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Preamble



SPARKLE signifies Science Promotion through Advancement of Research & Knowledge for Life through Entrepreneurship, & CINE stands for Centre for INnovation & Entrepreneurship. SPARKLE CINE is a Section 8 company established under the aegis of JSS Academy of Higher Education & Research for the purpose of promoting translation of educational excellence to ideas and to catalyse the power of the idea towards innovation and entrepreneurship focused on advancement of Science.

JSS Academy of Higher Education & Research (JSS AHER) is one of the leading Educational Organizations located in the city of Mysuru, Karnataka, INDIA. Having ranked among the top 500 Universities in the World by The Times Higher Education (THE) World Universities Ranking framework (2019) and graded “A+” by National Assessment and Accreditation Council (NAAC), the Deemed to be University has strong foundation of research, innovation and entrepreneurial thrust, with health care, life sciences, pharma and management as the major focus arenas.

Vision

To Inspire academia and young minds to Invent, Innovate and Incubate to foster Entrepreneurship

Mission

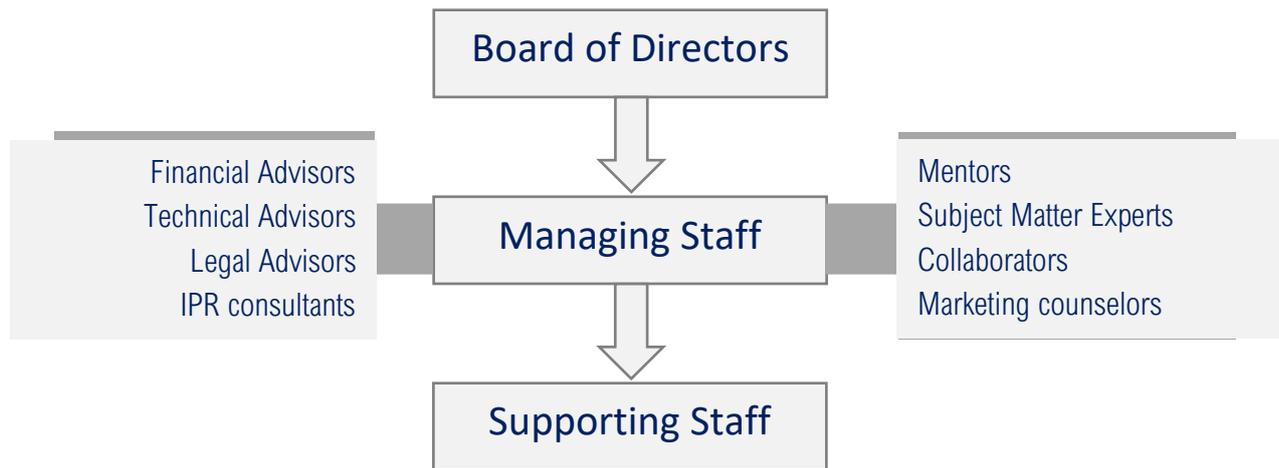
Promotion of Science by advancement of Research and Knowledge through Entrepreneurship

Efficient Networking for promotion of industrious start-ups

Objectives

- To promote entrepreneurial development activities and create culture of entrepreneurship and innovation
- To assist start-up companies by providing physical infrastructure & logistic mentorship support for incubation
- To provide academic & research support to start-ups by facilitating idea validation, technology development, prototyping, testing, clinical trials and consultation services

Organizational Structure

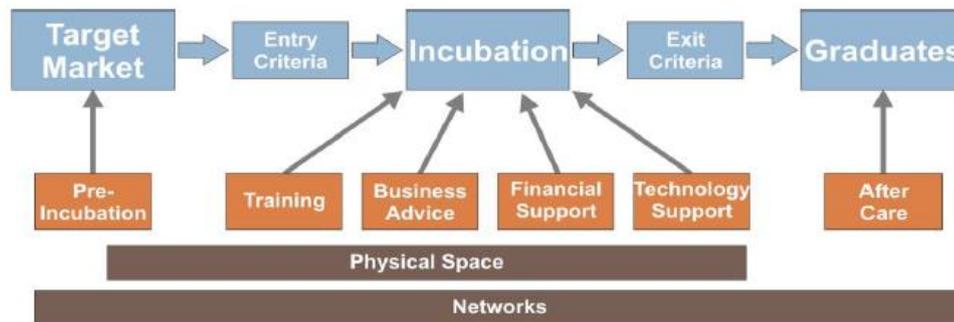


Thrust Areas



SPARKLE CINE is a healthcare incubator with specific focus on medical devices, biotech, pharma sector, life & allied health sciences and management. The specific fields of specialization in each of the thrust areas are mentioned, in which adequate support and networking is available to sustain the needs of the growing entrepreneurs.

Working model



Ideas with potential market translation are considered the starting point of the workflow. Post screening by expert selection committee, the prospective ideas and innovations will be guided either to register as a start-up or will be included as pre-incubation depending on staging of the idea and business acumen of the inventors. The pre-incubation facility prepares the naïve team for start-up registration through mentoring. Once the Eligibility criteria is met, the start-up can be registered and incubated, further which the services and the value-added services can be effectively utilized for progress. Governed by the progress, the incubates either evolve and graduate out as per the graduation policy or are governed as per the exit criteria. Each of the process is explained in detail further.

Value-added services

- Day to day logistic Mentoring
- Capacity building programs & entrepreneurship development programs
- Collaborative Technical support (Design, Development and Testing)
- Financial support for selected start-ups (Seed Support, Innovation, Refinement & Commercialization Grant for deserving start-ups)
- Consultation & Legal advices regarding Intellectual Property management.
- Academic & research Laboratory facility support on permission to approved protocols
- Networking with collaborators and consenting research laboratories
- Network with hospital for guided clinical trial testing
- Consultancy with the animal house for guided animal testing studies
- Consultation on Market Information (Product Development Strategies, Business Intelligence and Business Architecture)

Eligibility for Inclusion/Admission

Students, faculty and alumni of JSS AHER who are desirous of registering a start-up under the Indian Companies Act are given the privilege for incubating with SPARKLE CINE as per the framework. The National Innovation & start-up policy-2019 by MHRD shall be the guiding framework for the faculty driven start-ups.

The Incubation facility is also open for external start-ups pertinent to the thrust areas who are registered as public/private limited company under the Indian Companies Act can apply and avail the incubation facility on recommendation of the expert selection committee.

Any company that is or proposing to be engaged in imparting educational courses and/or training program including vocational programs or is planning to undertake such activities during or after its incubation, which are conflicting with the modus operandi of JSS AHER are deemed not eligible for incubation.

Inclusion/Admission process



Incubation: As a first step in the admission process, the prospective company should submit an Incubation Application (Annexure 1) containing the Business plan, Certificate of incorporation and Memorandum & Articles of Association (if the start-up is already registered under the Indian Companies act). The executive summary should be presented to the Expert Selection Committee for comments on technical and business feasibility of the

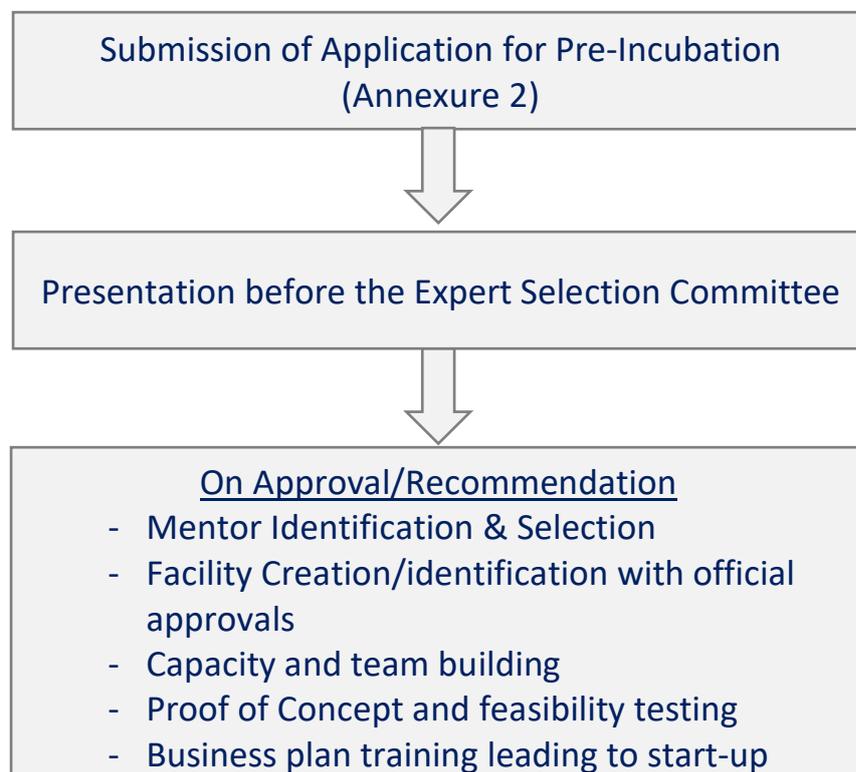
idea. As per the recommendations, the start-up can avail the incubation facilities after registration and signing the terms and conditions of SPARKLE CINE.

Pre-Incubation: Innovations for pre-incubation can be submitted to SPARKLE CINE. Typical consideration for Pre-Incubation is for students, faculty, alumni or early start-ups who have an idea or technology that has significant potential for being incorporated into an independent start-up venture, but need more mentoring regarding technology de-risking following more proof-of-concept studies or aggregating certain key missing components prior to new venture creation.

Example situations are:

- A research group has promising early-stage technology leads and results. It needs a stage of Proof-of-Concept (POC) studies and market research before creating a start-up venture.
- An entrepreneur has an attractive business idea and some elements of the technology but needs to complete the technology components or carryout further POC studies or bring-in one or more technology provider partners.
- A young (less than 3 years) start-up company that needs to go through Proof-of-Concept (POC) Studies before becoming investment ready.

For availing the benefits of pre-incubation, the idea needs to be submitted to SRARKLE CINE in the prescribed format (Annexure 2). Following the review by the expert selection committee and on their recommendation, the requisites of the pre-incubation are mentioned and implemented. The proposal may be called for a presentation before the committee.



Selection Criteria

The following selection criteria are considered (but not limited to)

- Strength of the product idea in terms of its technology content, innovation, timeliness and market potential
- Profile of the core team/ promoters
- Intellectual Property generated and the potential of the idea for IP creation
- Financial/ Commercial Viability and projections of Profit, Loss and Cash Flows
- Funds requirement and viability of raising finance
- Time to market from present state
- Break-even period
- Commercial potential, demand and requirement in India
- Scalability

Infrastructure and Services provided

I. Upon admission to SPARKLE CINE Incubation, the following facilities will be offered to the incubate companies on an individual basis:

- Office space
- Computers – up to two on rental basis. More than two can be availed at market rates.
- Printer
- Internet connection
- Phone connection– Each company will pay the rentals and bills
- Standard Furniture as decided by SPARKLE CINE.

II. Common infrastructure: SPARKLE CINE provides a common pool of hard and soft infrastructure to be shared by all incubate companies. Following resources are provided:

- Fax machine
- Photocopying machine
- Document Scanner
- Library: Management Books, Subscription to IT, Business, Management and Trade journals and newspapers
- Meeting/Conference room with projection equipment
- Tele or Video conferencing facilities

III. Institute infrastructure: SPARKLE CINE may facilitate access to JSS AHER academic & research infrastructure/laboratories as per JSS AHER norms with prior approval & permission.

IV. Services:

SPARKLE CINE may associate with professionals for accounting, IP, legal and management expertise on a part-time/consultation basis. Incubate companies can avail benefit of their services. Any direct services provided to an incubate would have to be paid for by the incubate to the service provided

Mentoring and Advisory Services

- Strategic Check-ups: The SPARKLE CINE administration will meet with company CEOs/team leads at least once per month for strategy reviews and discussion of operational/logistic issues.
- A incubate company may take a faculty advisor as a mentor for guidance on Subject matter issues.
- Specialized mentors/Industry mentors, if required, may be made available on prior request through the partnerships of JSS AHER & its Collaborations who can assist with strategic areas or to provide project-oriented consultation. Financials will be decided as per the degree of assistance requested and on mutual consent between the incubate and the mentor through SRAPKLE CINE.
- A incubate company may avail consulting services by professionals through SPARKLE CINE

IV. Mandatory Mentorship for student Pre-Incubation/Incubation: One of the objectives of Incubation is to utilize the expertise and academic infrastructure of JSS AHER, thus every student driven innovation/company that is offered pre-incubation/incubation at SPARKLE CINE has to select one faculty from IIT Kanpur who shall act as mentor of the Incubate and guide the company on product development. The incubate has to offer minimum 1% of share equity to the mentor as a consideration of mentorship

Period of Incubation & Graduation/Exit policy

Companies/Start-ups will be permitted to stay in the incubator for a period of two years. Maximum two extensions may be granted for 6 months each at a time at the sole discretion of SPARKLE CINE depending on the progress made.

Graduation/Exit:

An Incubate company will leave the incubator under the following circumstances:

- Completion of two years` stay (if no extension granted)
- Underperformance or non-viability of business proposition as decided by SPARKLE CINE on case to case basis
- Irresolvable promoters `disputes as decided by SPARKLE CINE on a case to case basis
- Violation of any SPARKLE CINE and/or JSS AHER core policy
- When the company enters in an acquisition, merger or amalgamation deal or reorganization deal resulting in a substantial change in the profile of the company, its promoters, directors, shareholders, products or business plan.
- Change in promoters'/ founders' team without concurrence of SPARKLE CINE.
- Any change of more than 50% of equity ownership would require a prior approval of SPARKLE CINE.
- Any other reason for which SPARKLE CINE may find it necessary for an incubate company to leave.
- For companies in the area of Biotech and Pharma the time to market is generally more. This is mainly due to the nature of product and number of regulatory procedures required to be followed before commercial launch of the products. In such cases the incubatee company may request for extension of incubation period. SPARKLE CINE may grant such extension on case to case basis on the requirements of the incubate, considering the previous track records.

Notwithstanding anything written elsewhere, SPARKLE CINE Directors' decision in connection with the exit of an incubate company shall be final and shall not be disputed by any incubate company.

Intellectual Property Rights

Companies/Promoters/Start-ups should fill an IP declaration worksheet at the time of admission and declare the Intellectual Property developed and owned by the incubate company.

- In case the incubate company is desirous of using the Intellectual Property of JSS AHER like patent, copyright, design registration, developed product, etc. Then the company shall make such request in writing to JSS AHER through SPARKLE CINE. The terms and conditions for such IP licensing shall be decided by the Institute as per recommendations of Advisory Committee.
- The company shall inform SPARKLE CINE if any students have/had worked on the technology and if their work will be incorporated in the product, with disclosure of the facilities & role of the JSS AHER that were instrumental in product/technology creation.

- The company shall inform if any IP that has been generated as a result of collaborative work with faculty members (who are not promoters) is being incorporated into the product(s).
- The company shall inform if any JSS AHER infrastructure has been used in developing the IP or technology/product(s).
- The company shall inform SPARKLE CINE, if any, about any agreement with JSS AHER or other institutions/companies that the IP has been assigned to the company for commercialization.
- The entrepreneur would have option of first purchasing the rights of IP from JSS AHER and then being incubated.
- The incubate would maintain a register with the details of any IP (patents, licenses, copyrights etc) that has been brought into the company prior or during their stay at SPARKLE CINE. Also, any IP developed during the stay would be maintained in the register.

Notwithstanding anything written above, Intellectual Property Rights will be governed by the Intellectual Property Policy of JSS AHER.

Seed Funding and Grants

Admission to SPARKLE CINE shall not automatically entitle the companies/Start-ups to seed funds/grants. The funds will be sanctioned only to the registered incubates and shall be based on merits of each company/Start-up. A company desirous of getting seed funds/grants may apply for seed fund after three months from the date of admission to SPARK CINE. Sanction of seed loan will be decided based on the eligibility criteria as decided by SPARKLE CINE. SPARKLE CINE and JSS AHER will have sole discretion to sanction or reject an application for seed fund/grant and the decision of the concerned authorities in this regard shall be final. SPARKLE CINE or JSS AHER is not bound to give any reason in case an application for seed fund/grant is rejected. With approval of seed funds/grants, the periodic progress of the incubatee/ pre-incubatee will determine the continuity of the funds, which may be subjected to discontinuation, with discretion of the Directors, if progress is not satisfactory.

Monitoring, Assessment and Periodic Review

A committee set up by SPARKLE CINE will evaluate the performance of incubate/pre-incubatee every 3 months. The emphasis of evaluation will be on checking if the milestones specified in the business plan are met. For a incubatee/ pre-incubatee which has taken seed fund, additional checks will be done on the financial health, implementation and progress in terms of its order booking/expenses/profitability/utilization of seed money depending on the stage of incubatee/ pre-incubatee. Further seed fund disbursement will be dependent on the progress shown in previous appraisal.

Periodic assessment would vary depending on the stage of incubation the company is in. Some representative criteria for evaluation are:

A. Ideation / Innovation stage

- Concept development / Opportunity spotting
- Product Development
- Market assessment / Competition analysis
- First level Business Planning / Business Modeling
- Founding Team
- Intellectual property protection
- Seed Funding

B. Pre-Market Stage

- Proof of Concept/ Prototyping
- Product Development and enhancement
- Financial Assistance Required
- Test marketing
- Full scale business planning including production, sales and sourcing

C. Implementation Stage

- Full scale Business Planning
- Pitching for Venture Funding
- Scaling up operations
- Large scale commercialization
- Mature Team Formation

D. Graduation/Exit stage

- Scale up to National / Global levels and expansion prospects and plans
- Previous track records

Auditing

The Incubate Companies during the period of Incubation at SPARKLE CINE will mandatorily get their accounts audited and their books of Account are open for Inspection by the empanelled Chartered Accountants of the Centre. Compliances as laid down by the Companies Act 2013 are binding on the Incubate Companies. The companies will give a quarterly report on the compliances adhered as laid down in the Companies Act

Non-Compliance

Non-Compliance to auditing, financial schedule, policy of SPARKLE CINE & JSS AHER would be liable to penalty/strict action.

- Non-Adherence to the first warning of the non-compliance by the said Incubate Company will attract penalty of Rs. 2000 which will be billed with the facilities due
- An action against the Non-Adherence to the second warning by the Incubate Company will make the Company ineligible to apply for Seed fund at the Centre
- An action against the Non-Adherence to the third warning in the form of notice to vacate the residential premises allotted to them
- Gross act of violation, subjected to legal implication, will be at the sole discretion of the Board of Directors and authorities of JSS AHER

Disclaimer

In case of any conflicts of interests, the decision of SPARKLE CINE and JSS AHER shall be final and binding upon the parties.

SPARKLE CINE and JSS AHER does not guarantee success and/or feasibility of the technology transferred from the Institute. SPARKLE CINE, JSS AHER or any person representing them shall not be liable for any acts or omissions of the incubated company. However, in case of any such event the incubated company shall do all that is required to hold SPARKLE CINE, JSS AHER or any person representing them harmless from any loss including damage and penalty.



SPARKLE CINE
Empowering Entrepreneurship

Application Form for Incubation

1. Start-up Name: _____

2. Company Name, if registered: _____

3. No. of Founders & their Name & description:

4. Industry: _____

5. Stage of Business: Prototyping/Under Validation/Early/Growth: _____

6. Investment raised, if any: _____

7. Already Incubated somewhere? If yes, details: _____

8. Contact Number: _____

9. Email id: _____

10. Address: _____



Permission for engaging in Pre-Incubation/Incubation

1. Name, Address, E-mail, Mobile:

2. Contact Details of Parents (for current students) :

3. Department:

Program:

Year:

Batch of admission:

4. Idea/innovation/Start-up activity proposed within 500 words: *(Attach writeup in separate sheet with problem statement, need for the innovation/idea/start-up, concept design if any, study conducted details for feasibility tests if any, publications done if any related to the idea)*

5. Number of Hours per month expected towards this activity:

6. Title of the product/service or company: (for start-up companies)

7. Applicant’s role:

8. Other person(s) involved/Faculty mentors identified:

I, (Name of the student) declare that I have read and understood all the rules and regulations regulating the commercial activities applicable to students. I agree to abide by them. I also undertake to repay dues (if any) towards SPARKLE CINE/JSS AHER.

.....
Signature
Name:
Date:

Endorsement by the Parent/Guardian

.....
Name:
Date:

Recommended By

.....
Head of the Department, with Date & Seal



SPARKLE CINE

AN

Empowering Entrepreneurship





SPARKLE CINE

SPARKLE signifies Science Promotion through Advancement of Research & Knowledge for Life through Entrepreneurship, & CINE stands for Centre for INnovation & Entrepreneurship.

Sparkle CINE is a Section 8 company established under the aegis of JSS Academy of Higher Education & Research for the purpose of promoting translation of educational excellence to ideas and to catalyse the power of the idea towards innovation and entrepreneurship focused on advancement of Science.

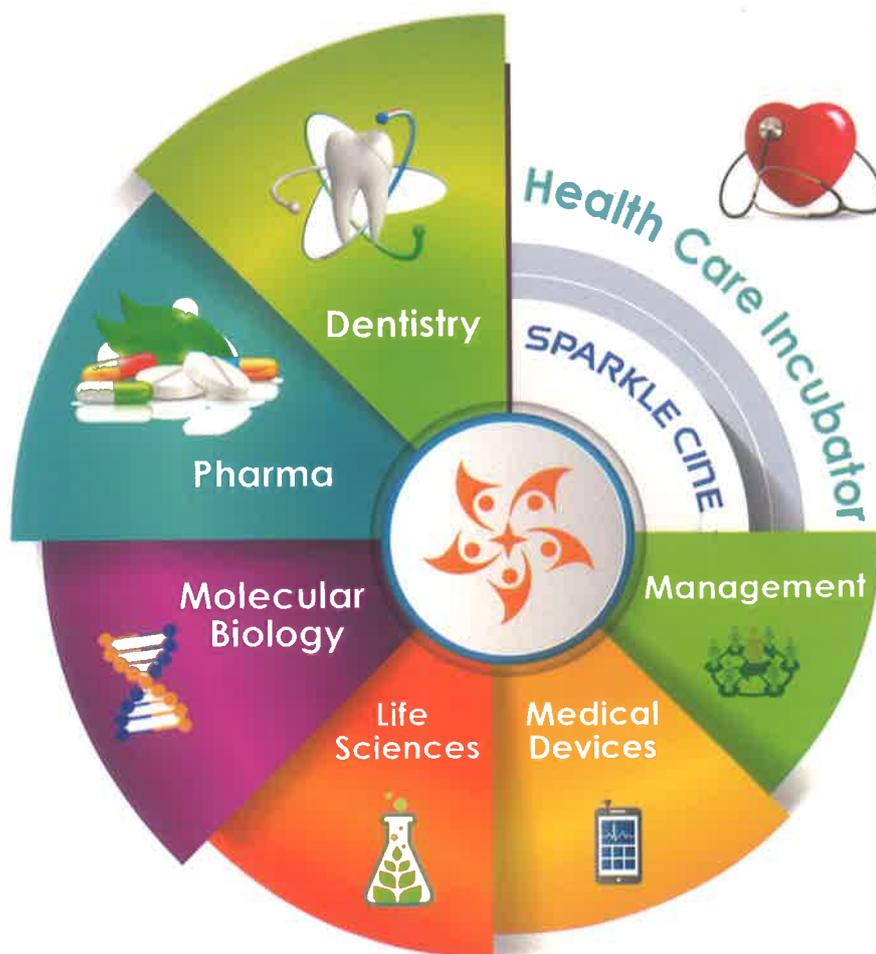
JSS Academy of Higher Education & Research (JSS AHER) is one of the leading Educational Organizations in the world located in the city of Mysuru, Karnataka, INDIA. Having ranked among the top 500 Universities in the World by The Times Higher Education (THE) World Universities Ranking framework and graded "A+" by National Assessment and Accreditation Council (NAAC), the Deemed to be University has strong foundation of research, innovation and entrepreneurial thrust, with health care, life sciences, pharma and management as the major focus arenas.

VISION

To inculcate & nurture applied & translational knowledge to evolve innovation and skill development, in coherence with the industry, to benefit the society with progressive Entrepreneurship

MISSION

Promotion of Innovation through collaboration, research, services and entrepreneurship guidance leading to efficient networking for promotion of industrious start-ups.



Partnership Benefits

STRONG VISION
COMMITTED TO THE MISSION

Thrust Areas

Health Care

Biotech
Pharma
Life science

Medical Devices
Health & Media

Health & Smartphone Applications
AFFORDABLE RURAL
-HEALTHCARE INNOVATIONS

Partners

Investment
Academic
Research
Services (Legal, Business, Network)
Industry
Mentorship

Locus of Benefit

Infrastructure
Co-Working Teams
Policy matters
Core areas/Thrust areas
Strategic partnerships

Revenue Model

& Fund Raising

Immediate:

Mentoring for Seed Money

Near Longitudinal:

Networking

Longitudinal:

Structuring
Grant Applications

Outcome Orientation

Start Up Support till Graduation
Entrepreneurship promotion

INNOVATION



IDEATION



SPARKLE CINE

Empowering Entrepreneurship

Benefits of Partnering with SPARKLE CINE



Power of Idea

SPARKLE CINE with a strong back up of the academic robustness of JSS AHER inculcates an ecosystem of applied and translational research & innovation for journey of powerful idea towards product realizations.

Start Up to Success



SPARKLE CINE aims at providing the needed environment to nurture a Start Up venture with right mentorship, all aimed at your success.



Network Access

Networking couldn't be better than the Industry – academia partnership. JSS AHER, a top-ranking University will provide access to all its multiple collaborations Nationally and Internationally.

One Stop Solution



SPARKLE CINE is located at JSS AHER campus that Houses multiple centers of Excellence, with abilities ranging from formulation development till clinical trial testing, It's a one stop solution for established industries to spinoff ideas and offshoots from Bench to Bedside in Health care and life sciences. SPARKLE CINE provides an excellent platform to Higher Education Resources for Industrial R&D.



Lifelong Learning

Lifelong Learning: With nationally and internationally renowned adjunct faculty/experts, the facility provides comprehensive multi-disciplinary training and upgradation programs for those desiring continual learning for success and knowledge updation.

Strong & Dynamic Leadership & Mentoring



Strong & Dynamic Leadership: SPARKLE CINE headed by a strong and multi-faceted dynamic team of leaders, ensures not only a robust advisory role played to craft your success, but also innumerable opportunities that knock at your doorsteps magnifying your success possibilities.



SPARKLE CINE

Dedicated outreach educational activities for the wider community

TOTAL NUMBER OF ACTIVITIES CONDUCTED: 21

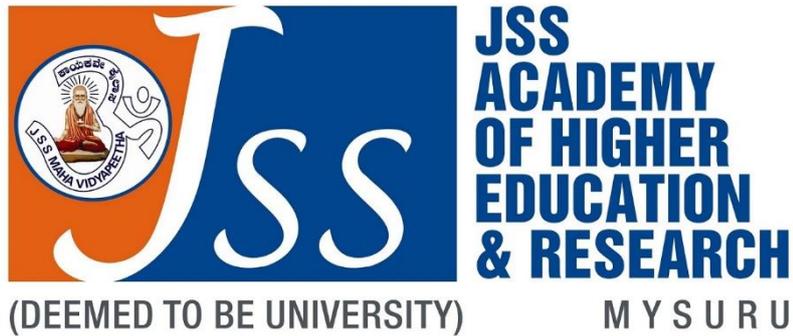
Details of the Activities Conducted: ENTREPRENEURSHIP DEVELOPMENT PROGRAMS - 8

SI No	Event Title	Date of Conduct	Mode of Conduct
1	1 st Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka	1 st to 10 th August 2020 (10 Days)	Online
2	2 nd Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka	18 th to 28 th August 2020 (10 Days)	Online
3	3 rd Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka In collaboration with REVA College of Engineering and East & West College of Engineering, Bangalore	3 rd to 16 th September 2020 (10 Days)	Online
4	4 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka	5 th to 16 th Oct 2020 (10 Days)	Online
5	5 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka conducted at Health System Management Studies Facility at Ramanuja Road, JSS AHER	15 th to 24 th Feb 2021 (10 Days)	Face-to-Face
6	5 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka in association with Hindustan Aeronautics Limited (HAL) Management Academy, Bangalore	5 th to 9 th July 2021 (5 days – Morning Session)	Online
7	6 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka in association with training and placement cell of JSS College of Pharmacy, Mysuru	6 th to 10 th July 2021 (5 Days – Afternoon Session)	Online
8	6 th Entrepreneurship Development Program (EDP) In association with TECSOK, Department of Industries & Commerce, Govt. of Karnataka in association with training and placement cell of JSS College of Pharmacy, Mysuru	26 th to 30 th July 2021	Online

Details of the Activities Conducted (Cont....): INNOVATION & DEVELOPMENT PROGRAMS - 13

SI No	Event Title	Date of Conduct	Mode of Conduct
1	BIG – Biotechnology Ignition Grant In association with Startup & Innovation Centre IIT Kanpur, JSS Science & Technology University, Mysuru	29th January 2021	Online
2	Webinar on 3D Printing in Health and Life Sciences	28th January 2021	Online
3	Idea Innovation & Entrepreneurship	22nd January 2021	Online
4	JSS Start-up Network for research collaboration in association with JSS STEP, JSS Academy of Technical Education, Noida	15th December 2020	Online
5	Medical Mobile application development in association with JSS Dental College & Hospital, Mysuru	12th May 2020	Online
6	Webinar on Nurturing research and support in Health care	9th January 2020	Online
7	Innovation day celebration	15th October 2019	Face-to-face
8	Validating a business idea In association with Health System Management Studies, JSS AHER	9th September 2019	Face-to-Face
9	Entrepreneurship Awareness Program	24th August 2019	Face-to-Face
10	Innovation and Research Benchmarking in Higher Education Institutions	7th June 2019	Face-to-Face
11	Indian Research Information Network System	24th January 2019	Face-to-Face
12	Awareness Program Technology Platform For Teaching Learning About Academic Tools From INFLIBNET	11th January 2019	Face-to-Face
13	Workshop on Intellectual Property Rights	10th January 2019	Face-to-Face

WEBLINK for ACTIVITIES: <https://jssuni.edu.in/jssa/activities-and-events/ActivityAndEventList.aspx?CATCODE=ENT&OPTION=0>



COMPENDIUM ON SDG 9

Industry, Innovation, and Infrastructure

2020-2021



**Build resilient
infrastructure, promote
inclusive and sustainable
industrialization and
foster innovation**

OUTREACH, RESEARCH & ACADEMIC ACTIVITIES

ALIGNED WITH SDG 9

Introduction

Investments in transport, irrigation, energy, and information, and communications technology have been crucial to driving economic growth and empowering communities in many countries. The job multiplication effect of industrialization positively impacts society, as 1.1 jobs in manufacturing creates 2.2 jobs in other sectors. The manufacturing industry is a significant employer, accounting for around 14.2% of the world's workforce of 2.9 billion. It has long been recognized that a robust physical network of industry and communication can enhance productivity and incomes and improve health, wellbeing, and education. Technological progress similarly enhances our well-being as countries and can also improve the state of the planet through increased resource and energy efficiency.

Through SDG 9, countries have determined that investing in more resilient infrastructure, cooperating across borders, and encouraging small enterprises will all be critical to ensuring sustainable industrial development. We will also have to improve our existing industrial infrastructure, and technological innovation will be key here. Governments and businesses will have to create a hospitable policy environment for innovation, encourage scientific research, and improve access to information technology universally.

The government's flagship interventions like Make in India and Start-Up India and Pandit Deendayal Upadhyay Shramev Jayate Karyakram are fuelling innovation and sustainable industrial and economic development.

Infrastructure

Hostel / Accommodation for Under Graduate & Postgraduate Students

Students have exclusive hostels for Boys and Girls with spacious, comfortable, well-furnished rooms with all modern amenities, hygienic kitchens, nutritious food, and a portable RO water source is provided for drinking. Each hostel block has a separate pantry and laundry facility. Students wishing to stay in these hostels are advised to apply in the prescribed forms. The boarders have Indoor and outdoor sports facilities and ample reading room facilities. Round-the-clock security guards (Male & Female for respective hostels) and CCTV cameras are placed for continuous monitoring and vigilance for the safety of students.

We have separate hostel facilities for Postgraduate students and residents outside the campus with suitable accommodation and catering facilities. The solar emergency source is utilized for heating and cooking purposes in the hostel.



CAMPUS FACILITIES FOR MEDICAL STUDENTS

We have ensured that Students get many of the Campus Facilities required by them for making their stay memorable and productive.

- The Campus has Internet browsing facilities at Digital Libraries, Meeting Rooms, Reception areas of the Hostels, and other suitable locations to enable access to the digitized Curricula.
- The Campus has a Bank Branch and an ATM to help with financial transactions needed.
- Canteens & Restaurants are located ideally to help students and their parents.
- Each College on the Campus is well equipped with Laboratories required for the Practicals.
- Students and Faculty have been provided with exclusive Parking lots for their vehicles
- The Campus has a 24 Hours Security Service

The Campus has a well-equipped gymnasium to cater to the needs of the Students and Staff



Central Library

<u>Category</u>	<u>Number</u>
Total Number of Books	31808
<u>Journals</u>	
International	128
National	130
Total	258

Details of new facilities available in the department

Department	New facility
Pathology	Started Thrombin time, Fibrinogen assay and deca-head microscope facility for teaching pg students
Microbiology	1. Detection of IgG Covid antibodies by CLIA/ELISA 2. Covid Antigen detection by ICT (RAT) 3. Detection of Interleukin 6 by ELISA
Neurology	VIDEO EEG PORTABLE EEG
Biochemistry	Facility to train the MSc Medical Genetics & Genomics students in handling Model organisms like Drosophila in the Clinical Biochemistry Laboratory Blood gas analyzer
Radio-Diagnosis	Specialty clinics started in Neuro-Imaging, Fetal Imaging, Guided procedures, etc
Ophthalmology	Dr.Bindu Malini M - Orbit & Oculoplasty services Dr.Shilpa G - Vitreoretinal Surgical Service

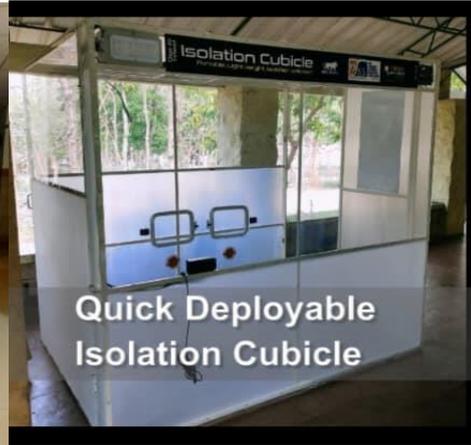
Isolation cubicle – 15-05-2021

Happy to share that our novel, innovative *Isolation cubicle* developed with financial support from JSSAHER was installed at neonatal ICU, JSS Hospital on 15th May 2021. The cubicle will address many COVID issues like

- 1) Cross infection between patients and attendants
- 2) Safety of Health care workers
- 3) Claustrophobia
- 4) Need for PPE kit.
- 5) Relatives can stay next to the patient.(Home deployment)
- 6) Reduction of viral load in the ward atmosphere

ISOLATION CUBICLE in a fight against COVID-associated issues.

It's a low-cost, easily deployable, and stackable transparent cubicle that overcomes claustrophobia. Its Inbuilt multimodal air purifier prevents cross-infection among patients and health care workers. Attendants can also stay next to the patient without getting infected. It is also easily deployable at home during home quarantine, assuring the safety of household people.



- Cotton Fabric mask coated with curcumin or quercetin
- Germicidal Moisturizer gel with curcumin or quercetin



Handheld High Intensity
UV Surface Sanitizer against COVID

Multi-mode Air Sanitizer for COVID free Environment



SAFL app, a free android mobile application, was launched on 19-11-2020

SAFL app, a free android mobile application, was launched on 19th Nov 2020 by Sri Abhiram Sankar, IAS, Deputy Director of LBSNAA, Mussoorie. Dr.H.Basavana Gowdappa, Principal & Dean, JSSMC, JSSAHER, delivered a talk on the need for such apps for doctors & health care professionals. Self Assessment for Life App was developed with the participation of many faculty & students of JSSMC, JSSAHER in association with other institutions and organizations for the public good.



Industry:

Details of Collaboration with other Universities/Industries/organizations

SI No	Collaboration with Institution name	Area	Outcomes	Financial details	MOU/MOA
1	Genomic Medicine Foundation, UK	Medical Genomics	Expert inputs	Nil	MoU signed
2	Sadvaidyasala Pvt., Ltd, Nanjangud B.V. PUNDIT's Traditional & Herbal Healthcare	Cancer Biology	Clinical and Interdisciplinary research	Supply of medicines	MOU
3	SJCE	AI	Algorithm to improve Diagnosis	NIL	
4	AMRITA VISHWA VIDYAPEETHAM AVVP KOCHI KERALA	Risk Factors for SARS-CoY-2" infection among health care workers in India: A case-control study."	"Risk Factors for SARS-CoY-2" infection among health care workers in India: A case-control Study" as described in the proposal attached here		Enclosed

5	Nesa MedTech	National	The development of a new method for the treatment of Fibroids is being tested on specimens.	DBT	Collaborative Research Agreement
6	iMERA.AI (UK)	International	Development of Software is going on	10Lakshs Grant	Collaborative Research Agreement
7	M S Ramaiah Medical college	Intractable Epilepsy	Control of Epilepsy		

Consultancy

Sl No	Consultancy Students/Researchers /Clinical	Local/State/ National/ International	Objectives	Outcomes	Financial details
1	Ms. Supriya S Kammar	Local- PhD Scholar, Faculty of Lifescience, JSSAHER, Mysuru	Collaborating Projects	Research work	---
2	Ms. Apoorva M R, Ms. Monisha M J, Ms. Meghana P Raman and Ms. Sahana M P	Local- Mysore Makkala Koota & Shri Dharmasthala Manjunatheshwara Mahila Mahavidyalaya, Mysuru	Collaborating Projects	Research work	10,000/- 07/12/2020
3	Zydus Research Institute	Clinical research in neurology	Clinical research	Initiation stage	Zydus Cadila
4	Zydus Research Institute	Clinical research in nephrology	Clinical research	Initiation stage	Zydus Cadila
5	Biomarkers enhanced	Clinical research in Nephrology	Clinical research	Ethical committee	

	management of acute kidney injury in an Indian patient			approval awaited	
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	<p>A total of 08 patents are filed for various medical devices/ instruments</p>
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Academic/ Industrial Experts / Adjunct faculty visit to the departments

Dr. Shivakumar from MIMS, Mandya, and Dr. Sunitha from MMC have visited the Geriatrics department and overviewed its activities

Dr.Vasuki V.R visited the Department of Orthopedics for Assessment and Evaluation of Post Graduates dissertation synopsis of 2021 Batch, two students per day on 2nd week of Nov. 2020 over five days

Mr. Jestin V. Thomas visited the Department of Pharmacology on 18/01/2021

1. Conduct clinical/preclinical trials at JSS Medical College & Hospital
2. Exchange of facilities and expertise for collaborative or independent research and publications based on the policies of both entities,
3. Joint Academia-Industry clinical research training programs,
4. Conduct National and International seminars and workshops,
5. Collaborative research proposals for various funding agencies, Research leading on to Ph.D.

Engineers from BEL visited dialysis unit JSS Hospital, Mysuru, to study the indigenous dialysis machine visited the Department of Nephrology on 20/1/2021



Dr. Jayarama S Kadanadale

Professor and Head Clinical and Molecular cytogenetics Centre for Human Genetics Biotech Park, Electronic City Phase I, Bangalore 560100.

- Dr. Jayaram visited the genetic laboratory at JSS Hospital on 06-06-2020. He inspected the infrastructure established at the laboratory for initiating the cytogenetic testing and gave his expert advice to improve it further. He also provided us with the list of documents required to be maintained in the laboratory, which will further help us apply for NABL accreditation. He also interviewed the research assistants to assess their interest and knowledge of cytogenetics. On the whole, his visit was very fruitful, and we look forward to working with him and take the genetics laboratory to the next level.
- He has guided and provided expert advice during the process of standardization of the karyotype protocol.
- In establishing the cytogenetics laboratory at JSS hospital, he facilitated the appointment of Dr. Sairam, who is efficient in handling the cytogenetics section in the Medical Genetic Laboratory.
- Dr. Jayaram is reviewing all the samples processed for karyotyping.

Prof. Dhavendra Kumar

Honorary Senior Research Fellow, Institute of Medical Genetics, Division of Cancer & Genetics, Cardiff University, University School of Medicine, UK.

- The Genomic Medicine Foundation UK (GMF-UK) and the JSS Academy of Higher Education & Research, Mysuru, Karnataka, India (JSS AHER-Mysuru) entered into a Memorandum of Understanding (MOU) on June 12, 2020. The Genomic Medicine Foundation is a non-profit organization providing up-to-date and evidence-based information on genetics/genomics relevant to clinical medicine and healthcare. The objectives of the MoU are to set up joint education and training programs, have student and faculty exchange programs, formulate multi-centric collaborative research projects, and advance the clinical genetic facility at JSS Hospital, Mysuru. In this regard, Prof. Dhavendra Kumar, Medical Director/CEO from GMF-UK, and Dr. Manjunatha B, the Registrar of JSSAHER, signed the MoU in the presence of Dr. Surinder Singh, Vice-Chancellor, Dr. P.A. Kushalappa,



Director (Academics), Dr. H. Basavanagowdappa, Dean, Faculty of Medicine, Dr. M.N. Suma, Dean, Faculty of Biomedical Sciences, Dr. Vishal Kumar Gupta, Dy. Director (Academics), Dr. Prashant Vishwanath & Dr. Akila Prashant, Professors, Department of Biochemistry & Department of Genetics, JSSAHER.

- Online meeting held with Dr. Dhavendra Kumar, Genomic Medicine Foundation UK on 16th December 2020 at 3.00 pm through zoom platform.

The following agenda was discussed.

1. Plan the lecture series for the MSc Medical Genetics and Genomics students

Eight topics for the lecture series for MSc Medical Genetics and Genomics students were planned from the second week of January 2021. These topics will be delivered by faculty from JSS AHER and GMF UK, one topic per week on Saturday afternoon's 3 pm to 4 pm IST.

2. Possibility of conducting Indo-UK collaborative webinar in March or April

The topic of the webinar was decided to be "Cancer Genomics." However, the detailed agenda was thought to be discussed at a later date.

3. Discuss the research areas which could be taken up as collaborative projects

Based on the inputs provided by Dr. Akila & Dr. Kiran and as advised by Prof. Dhavendra Kumar, the group decided to start working on the following topics to take the research to the next level at JSS.

- BRCA1/BRCA2 profiling breast cancer/ ovarian cancer/
- Triple-negative breast cancer- genomic profiling
- Prostate cancer genetics
- Lung cancer-small cell/ non-small cell genomic profiling.

Brief Report on the visit of Dr. Giriraj R Chandak

Dr. Giriraj Chandak, Senior Principal Scientist (Scientist-F) and Group Leader, CSIR-Centre for Cellular and Molecular Biology (CSIR-CCMB), Hyderabad had visited our Institute on 31st December 2020.

- A project proposal was submitted to the Department of Biotechnology (DBT) for establishing NIDAN Kendra and the Screening of Pregnant Women and Newborns in the District of Mysuru and Nilgiris for a total amount of Rs. 590 Lakhs. This proposal was critically reviewed by Dr. Chandak.

- He delivered a guest lecture to the MSc Medical Biochemistry and Medical Genetics and Genomics students on “Simple to complex disorders: A fascinating journey.”



The session was attended by about 40 students who were more than excited to interact with Dr. Chandak and clarify their doubts. They also discussed with him their future scope and perspective.

- He also reviewed the progress in the work of the Ph.D. scholars and provided his valuable inputs and suggested modifications. He also reviewed the proposals of the faculty and provided suggestions to make it appeal so that it attracts funds from the funding agencies.



- He visited the genetic laboratory at JSS Hospital and provided his inputs regarding the infrastructure and the basic tests which can be performed with the currently available instrumentation. He has also offered to give an internship to Ms. Haripriya, a 3rd-semester student of the MSc Medical Genetics and Genomics program in his laboratory on the protocols that can be later standardized in our set-up in the initial phases.

Overall, the discussion was fruitful and will benefit us to carry out the studies as mentioned above.

Technological progress is also key to finding lasting solutions to both economic and environmental challenges, such as providing new jobs and promoting energy efficiency. Promoting sustainable industries, and investing in scientific research and innovation, are all important ways to facilitate sustainable development.

- **Sustained development of physical infrastructure**
- **Providing conducive environment for innovation**
- **Encouraging faculty and students to undertake innovations through guest lectures and seminars**
- **Dissemination of innovations through patents and publication**
- **Undertaking research projects with innovative ideas**
- **Supporting innovations in patient care practices**
- **Regularly upgrading library and learning infrastructure**

Awards & Achievements

Awards / recognitions received for research/innovations won by institution/teachers/research scholars/students

Sl. No.	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award
1.	D.V.Gowda Vishal Bharath Rawal	Sri Jayachamarajendra College of Engineering, JSS TI Campus, Manasagangothri, Mysuru 570006 0821- 2548285, 2548286, 2548287 principal@sjce.ac.in	2020
2.	D.V.Gowda, Famna Roohi	Sri Jayachamarajendra College of Engineering, JSS TI Campus, Manasagangothri, Mysuru 570006 0821- 2548285, 2548286, 2548287 principal@sjce.ac.in	2020
3.	D.V.Gowda Girish SH	Sri Jayachamarajendra College of Engineering, JSS TI Campus, Manasagangothri, Mysuru 570006 0821- 2548285, 2548286, 2548287 principal@sjce.ac.in	2020
4.	Mr. Ahinav Raj Ghosh, II M.Pharm student	No. 88/1, Gottigere Bannerghatta Road, Bangalore, Karnataka 560 083, India.	2020

		Phone: +91 80 28429624, 28429625, 40250555 FAX: +91 80 28429228, 49030555, 40250555 Extn. 120 Email: campus@tjohncollege.com	
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Name & Designation	Date	Awards	National / International
Dr Bhagyalakshmi A, Reader, Dept. of Orthodontics & Dentofacial Orthopedics	1st April to 30th June 2020	Successfully completed the Healthcare accreditation course titled - , MEU India Group	National
Dr Mahesh K P Dr Karthikeya Patil, Reader and Prof. & HOD, Dept. of Oral Medicine & Radiology	1.7.2020	Best article of the issue titled Primitive neuroectodermal tumor of maxilla - A rare case report in adult - Acta Scientific Dental Sciences (ASDS) Vol.4, Issue 7, Pg. 3-5. ISSN: 2581- 4893,	National
Dr Nandlal B, Prof. & HOD, Dept. of Pediatric and Preventive Dentistry	August 2020	Awarded for contribution towards advancement of research at JSS Dental College & Hospital during the year 2019 titled - JSS Academy of Higher Education and Research , Mysuru	Regional
Dr Saikrishna D, Prof. & HOD, Dept. of Oral & Maxillofacial Surgery	August 2020	Awarded for contribution towards advancement of research at JSS Dental College & Hospital during the year 2019 titled - JSS Academy of Higher Education and Research , Mysuru	Regional
Dr Usha Hegde, Prof. & HOD, Dept. of Oral Pathology & Microbiology	August 2020	Awarded for contribution towards advancement of research at JSS Dental College & Hospital during the year 2019 titled - JSS Academy of Higher Education and Research , Mysuru	Regional
Dr Chandrashekhar B R, Prof. & HOD, Dept. of Public Health Dentistry	August 2020	Awarded for contribution towards advancement of research at JSS Dental College & Hospital during the year 2019 titled - JSS Academy of Higher Education and Research , Mysuru	Regional

Dr Bhagyalakshmi A, Reader, Dept. of Orthodontics & Dentofacial Orthopedics	25th July to 8th October 2020	Faculty Advisor and Project Mentor titled - MAHE- FAIMER International Institute for Leadership in Inter professional Education (M-FIILPE), Manipal Academy of Higher Education, Manipal in collaboration with Foundation for Advancement of International Medical Education and Research, Philadelphia, USA	International
Dr Suman Basavaraju, Reader, Dept. of Periodontology	7th to 11th October 2020	First prize in Poster presentation titled Comparison of gene expression of adipogenic markers of GMSCs among diabetic and healthy individuals - Virtual World Dental Conference 2020, World Dentists Association	National
Dr Aruna G, Lecturer, Dept. of Periodontology	7th to 11th October 2020	First prize in Poster presentation titled Antibacterial activity of melatonin against prime periodontal pathogens - An intro study - Virtual World Dental Conference 2020, World Dentists Association	National
Dr Chandrashekhara B R, Prof. & HOD, Dept. of Public Health Dentistry	Oct 2020	VGST award for Research publications 2019-20 titled - Vision Group on Science and Technology, Mysuru	State
Dr Bhagyalakshmi A, Reader, Dept. of Orthodontics & Dentofacial Orthopedics	15th October 2020	Completed two year FAIMER Fellowship program from July 2018 to July 2020 titled - MAHE- FAIMER International Institute for Leadership in Inter professional Education (M- FIILPE), Manipal Academy of Higher Education, Manipal in collaboration with Foundation for Advancement of International Medical Education and Research, Philadelphia, USA	International
Dr Dhakshaini M R, Professor, Dept. of Prosthodontics and Crown & Bridge	21st October 2020	Panelist award titled - Webinar on TMD & its management, Yenepoya Dental College and University in association with Indian Prosthodontic Society, Karnataka Branch	National
Dr Nanditha Kumar M, Reader, Dept. of Prosthodontics and Crown & Bridge	1st November 2020	Successful completion of virtual celebration Mysuru marathon titled - , Life is calling	National
Dr Kathyayani C P, Lecturer, Dept. of Prosthodontics and Crown & Bridge	1st November 2020	Successful completion of virtual celebration Mysuru marathon titled - , Life is calling	National

Dr Paras Mull J, Reader, Dept. of Conservative Dentistry and Endodontics	6th to 8th November 2020	1st prize in the E poster competition titled Regenerative endodontic treatment of an traumatized immature non-vital tooth using blood clot and platelet rich fibrin as a scaffold: A case report - Digident 2020 Virtual dental conference, Mumbai	National
Dr Meenakshi S, Lecturer, Dept. of Prosthodontics and Crown & Bridge	11th November 2020	PhD awarded in Faculty of Dental Sciences titled - JSS AHER, Mysuru	National
Dr Prashanth S, Reader, Dept. of Pediatric and Preventive Dentistry	11th November 2020	PhD awarded in Faculty of Dental Sciences titled - JSS AHER, Mysuru	National
Dr Anil Kumar G, Professor, Dept. of Prosthodontics and Crown & Bridge	21st November 2020	Panelist award - Webinar on Implant Supported Framework designs & materials for MFP, SDM College of Dental Sciences in association with Indian Prosthodontic Society-Karnataka State Branch	National
Dr Priyanka Nitin, Lecturer, Dept. of Orthodontics & Dentofacial Orthopedics	19th December 2020	Panelist award - Global Cancer Summit - 2020, Arjyopa Group, Bengaluru	National
Dr Sowmya S, Lecturer, Dept. of Prosthodontics and Crown & Bridge	9th & 10th January 2021	2nd place in the paper presentation Effect of Hubli propolis on Candida albicans and Actinomyces comitans -A in vitro study - 1st Virtual ISPRP National Conference 2021,	National
Dr Chandrashekar B R, Faculty, Dept. of Public Health Dentistry	9th & 10th January 2021	Best paper award Public health dentists as nodal-officers for effective implementation of national health programs-A proposed model - IAPHD Colloquium 2021, Indian Association of Public Health Dentistry	National
Dr Prashanth S Dr Seema Deshmukh Dr Indira M D , Reader Reader Lecturer, Dept. of Pediatric and Preventive Dentistry	21st to 24th January 2021	1st prize in the paper presentation Probiotic mucoadhesive patch as an effective caries preventive modality - A randomized controlled trial - Pediatric and Preventive Dentistry VirCon 2021, Indian Society of Pedodontics and Preventive Dentistry, Meerat, UP, India	National
Dr Vidya Priyadarshini D S, Faculty, Dept. of Periodontology	26th & 27th February 2021	Second position in Scientific poster presentation Boon to atrophic maxilla and mandible - Short implants - Impl-Integrate A national level online conference on Dental implantology, Kalinga Institute of Dental Sciences, Bhubaneswar, Odisha	National
Dr Anupama C, Faculty, Dept. of Prosthodontics and Crown & Bridge	26th to 28th February 2021	Lifetime Member - 1st International South Asian Society for Oral and Maxillofacial Implantology Conference, India	National

Dr Swathi Kumareswar, Lecturer, Dept. of Forensic Odontology	27th & 28th February 2021	Second prize in Best Scientific poster presentation and got cash prize of Rs.1500/-. Non-destructive dental pulp extraction for DNA fingerprinting - 2nd International Conference on DNA Forensics, Sherlock Institute of Forensic Sciences, New Delhi	National
Dr Sheela Kumar G, Professor, Dept. of Periodontology	7th April 2021	Appreciation award as Reviewer Gingival biotype - A secret for esthetic success - Journal of Health and Allied Sciences, NU	National
Dr Shyam Sundar S, Reader, Dept. of Oral & Maxillofacial Surgery	1st May 2021	Recognition of the reviewer contributed to the Elsevier Journal - The Editors of Computers in Biology and Medicine, ELSEVIER	National
Dr Sreeshyla H S, Lecturer, Dept. of Oral Pathology & Microbiology	30th May 2021	Got Young Researcher Award Cytology in the diagnosis of OPMDs and oral cancer - An analysis of cells in liquid medium - 2nd Global Cancer Summit - 2021, Arjyopa Group	National
Dr Nandlal B, Prof. & HOD, Dept. of Pediatric and Preventive Dentistry	June 2021	Member of the Editorial Board Global Journal of Oral Science - ,	National
Dr Chandra Shekar B R, Prof. & HOD, Dept. of Public Health Dentistry	June 2021	Awarded has contributed through Humanitarian efforts to the society Giving back to society during Covid times - National Public Health Dentistry - June 2021, Rajarajeswari Dental College & Hospital, Bangalore	National
Dr Indira M D & Dr Nandlal B, Lecturer & Prof. & HOD, Dept. of Pediatric and Preventive Dentistry	10th to 13th June 2021	Colgate Bright Smiles, Bright Futures Award in recognition of an Innovative community oral health education program Baby Oral Health Promotion Clinic - 28th Congress of the International Association of Paediatric Dentistry, Virtual	International
Dr Swathi Kumareswar, Lecturer, Dept. of Forensic Odontology	26th & 27th June 2021	Contribution as a Member of Scientific Committee - 6th International eConference on Cyber & Digital Forensics, International Association of Scientists & Researchers	National

Faculty 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.	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		
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		
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		
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	0.125

Sl. No.	Name of the faculty / Department	Title of thesis	Thesis grant In Lakh	Sponsoring Agency	Period From To	Status	Grants received	Grants balance
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	0.125
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	0.125
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.	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	0.125
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	0.125

Sl. No.	Name of the faculty / Department	Title of thesis	Thesis grant In Lakh	Sponsoring Agency	Period From To	Status	Grants received	Grants balance
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	0.125

New facilities in the college

Department	Details of new facility
Pharmaceutics	3D Printing machine, ARVR, LCMS-MS, Auto film applicator, Tablet Harness Tester applicator
Pharmacognosy	Flash chromatography
Pharmacology	Ideation lab, Cell culture facility, animal house
Pharmaceutical Chemistry	Docking software
Pharmacy Practice	Recording studio, aseptic hood



Auto film applicator





Tablet Harness

Printing machine



Industry Visit

As a part of MoU between JSS Academy of Higher Education & Research, Mysuru and Shilpa Medicare Limited, Bengaluru is focused majorly on joint research and Development in the areas of drug discovery with specific focus on clinical study/trials in dental practice.

Staff and students visited formulation & development unit at Dabaspeta and interacted with Mr Pradeep Shivakumar, Assistant Vice President and introduced his team. Team also discussed on project proposal in developing artificial teeth with nano fiber coating especially for geriatric/diabetic patients, Nasal dry powder, oro-dispersible films, Denture adhesives using chitosan base, sublingual films, buccal films and transdermal drug delivery systems. We had opportunity to visit their instrumentation room where almost all the equipments of high end technology was employed. We were really fortunate that lot inputs was given Mr Pradeep who emphasized what products industry looks at and what has academic institutions should focus on.

Mr. Basavraj HM, Mr. Sreenivas Reddy, Mr Rao, Mr Kiran, Mr Mohan and Mr Tippeswamy were the persons who also shared their expertise with us.



On the same day the team also visited to Accreate additive labs facility in Mahalakshmi layout and interacted with Mr S N Ravishankar, Managing Director, Accreate Labs. He explained about the commercially 3D printed products which were delivered to various hospitals and industries on customized based and explained the working of 3D printed SLA printer and FDM printers which we fortunate to experience it. We also had discussions regarding project proposals for funding agencies in regard to 3D technology. We thanked him for sharing his expertise.



Finally staffs with students visited to Auxochromofours which is a research oriented pharmaceutical product development company. The formulations development mainly revolves around converting drug substance into drug product considering efficacy, safety, bioavailability, stability and scalability as core criterion.

The company undertakes development of pharmaceutical products, nutritional food grade formulations, oral liquids, soft gels, injections and transdermal patches. The company is making inroads into the FMCG space with diverse range of personal hygiene and skin (derma) care products.

Auxochromofours have the expertise integrated with core team by offering a surfeit of choices for the finished dosage form of the drug. By partnering with major national and international drug manufacturers having advanced development solutions and capabilities.

We met Mr Basavraj HC and Mr Shreyas M Burji cofounders of Auxochromofours were present in the discussion with our team. We visited the following facilities, Gene sequencing DMPK studies, cell culture studies, ADME studies and Analytical studies.



Book

chapters

Sl. No.	Name of the teacher: Title of the paper	Title of the book published: Name of the author/s: Title of the proceedings of the conference	Name of the publisher: National / International	National / international : ISBN/ISSN number of the proceeding	Year of publication
1.	T Durai Ananda Kumar	Current Concepts in Drug Design	National	9789387593831	2020
2.	Saravana Babu Chidambaram, Bipul Ray, Abid Bhat, Arehally Marappa Mahalakshmi, Tuladhar Sunanda, Padamati Jagadeeswari, Mysore Prakash Gowrav, Ramesh	Mitochondria-targeted drug delivery in neurodegenerative diseases	International	ISBN: 978-0-12-817776-1	2020

	Chandra, Meena Kishore Sakharkar				
3.	Paramakrishnan N	Chapter 2. *Current Perspectives and methods for the characterization of natural medicines*	International	9781771888868	2020
4.	Nallupillai Paramakrishnan	Chapter 11. Marine Drugs: A Source of Medicines for Neuroinflammator y Disorders	International	9781771888868	2020
5.	Saravana Babu Chidambaram., Sunanda Tuladhar., Abid Bhat., Arehally Marappa Mahalakshmi., Bipul Ray., Musthafa Mohamed Essa., Muhammed Bishir., Srinivasa Rao Bolla., Nandakumar Dalavaikodihalli Nanjaiiah., Gilles J Guillemin., M Walid Qoronfleh	Autism and Gut– Brain Axis: Role of Probiotics	International	2020;24:587-600	2020
6.	Saravana Babu Chidambaram., Abid Bhat., Arehally Marappa Mahalakshmi., Bipul Ray., Sunanda Tuladhar., B S Sushmitha., B Saravanan., Manivasagam Thamilarasan., Arokiasamy Justin Thenmozhi., Musthafa Mohamed Essa., Gilles J Guillemin., M Walid Qoronfleh	Protein Nutrition in Autism	International	2020;24:573-586	2020
7.	Thamilarasan Manivasagam, Selvaraj Arunadevi, Mustafa Mohamed	Role of Oxidative Stress and Antioxidants in Autism	International	2020;24:193-206	2020

	Essa, Chidambaram SaravanaBabu, Anupom Borah, Arokiasamy Justin Thenmozhi et al.				
8.	Rajput R.P.S., Paramakrishnan N., Gangadharappa H.V. (2021) Edited by Tanwar B., Goyal	Oilseeds: Health Attributes and Food Applications- Cumin (Cuminum cyminum L.) Seed.	International	https://doi.org/10.1007/978-981-15-4194-0_20 . Print ISBN 978-981-15-4193-3. Online ISBN 978-981-15-4194-0.	2021

Guest Lectures

Name of the Expert	Affiliation of the Expert with address	Date	Lecture Topic	Number of Participants
Dr. Mandar Bodas	Solution Consultant, Research Solutions - Life, ELSEVIER Sciences	7/7/2020	Drug Repurposing using Reaxys	114
Dr. Rahul Taneja	Scientist, Haryana State Council for Science, DST, Haryana	8/8/2020	Vocal for Local: Transforming Challenges into opportunities	200
Dr. Sunitha Srinivas	Visiting Professor, Rhodes University, Grahamstown, South Africa	8/12/2020	Utilising COVID-19 Pandemic to Strengthen the Dialogue of Access to Essential Medicines and Vaccines	75
Sr. Sunitha Srinivas	Visiting Professor, Rhodes University, Grahamstown, South Africa	8/19/2020	Managing the Double Edged Sword: Antimicrobial Resistance and COVID	75
Dr K L K Paranjothy	Bengaluru Allergy central	8/24/2020	Immunity Boosters for COVID 19 Pandemic	114
Mrs Christy Mary Sam	School of Pharmacy, University of Nizwa, Sultanate of Oman	10/10/2020	Health Care System in Sultanate of Oman – A Pharmacist Perspective	70
Dr Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru	11/4/2020	Site Feasibility Studies	08
Dr. Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center	11/5/2020	Site / investigator selection, Vendor selection	08

	for Clinical Research Excellence (CCRE), JSS Academy of Higher Education & Research, Mysuru			
Dr Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru	11/6/2020	Essential documents for clinical trial	08
Dr Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru	11/7/2020	Pre- study visit and Investigator Meeting	08
Dr Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru	11/7/2020	Informed Consent Form preparation and translation	08
Dr Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru	11/7/2020	Clinical trial agreement execution	08
Dr Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru	11/9/2020	Ethics committee document preparation and submission	08
Dr Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru	11/10/2020	Investigational product procurement and storage	08
Dr Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center	11/11/2020	Filling Procedures	08

	for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru			
Dr Meenakshi Srinivas	Clinical Research Associate, Clinical Development Services Agency (CDSA), Center for Clinical Research Excellence (CCRE), JSS Hospital, Mysuru	11/12/2020	Site initiation visit (SVI), SIV report and follow-up	08
Dr. Smitha Vikram and Dr. Divya Sunil	Clinical Expert, Avigna Institute of Clinical Research	11/30/2020	‘Emerging Career Opportunities in Clinical Research and Clinical Data Management – Impact During COVID-19’	82
Dr. Kishor M	Associate Professor	12/10/2020	‘Role of Pharmacists in Life Saving: SAFL App’	100
Dr. Jimmy Jose	Associate Professor, University of Nizwa, Oman & Adjunct Faculty at JSS Academy of Higher Education & Research	2/18/2021	Report on Guest Lecture on “Pharmacotherapeutics of Diabetes Mellitus”	40
Dr. R. Rajesh	Assistant Professor, Dept. Pharmacy Practice, Manipal College of Pharmaceutical Sciences, MAHE, Manispal	2/19/2021	My Experiences Gained from Journeying with HIV/AIDS Research: An Update	82
Mr. Nidhin Mohan	President - New Island Pharmacy, USA	1/30/2021	Career Opportunities for Pharmacy Practice Students	78
Dr. Debra Rowett	Professor and Discipline Leader Pharmacy, School of Pharmacy and Medical Sciences at the University of South Australia	3/18/2021	“Palliative Care”	73
Dr. Sanjay Garg	University of South Australia	4/22/2021	Development of Phexxi: A Novel Contraceptive from Concept to US FDA Approval and Market	75
Mr. Ravishankar	The Himalaya Drug Company	4/24/2021	Technology Transfer of Personal Products	75
Ms. Seema Mehdi	Lecturer	5/28/2021	From Vivarium to Virtual room	500
Dr.Nagashree.K.S	Lecturer	5/28/2021	Indian Pharmacology: From ancient to modern- where are we now?	100
Mr. Kasturi S	Entrepreneur	5/6/2021	ENTREPRENEURSHIP IN PHARMACY	64

Mr. Sten Olsson	Pharmacovigilance Consultant, Immediate-Past President, International Society of Pharmacovigilance and Adjunct Faculty, JSS Academy of Higher Education & Research, Mysuru	6/2/2021	Components of Well Serving National Pharmacovigilance System	60
Mr. Mr. H. V. Vishvesh	Founder Director, Arivu Skill Development Academy, S2V Solutions, Bangalore and Vice President (Business Development) Excel Inc, Bangalore	5/8/2021	ENTREPRENEUR & ENTREPRENEURSHIP	100
Dr. Prashanth S	Assistant Director (Academics), Co-ordinator: SPARKLE CINE JSS Academy of Higher Education & Research, Mysuru	5/21/2021	Entrepreneurship Awareness: IDEATE, INCUBATE & ACCELERATE	84
Dr. Suman Sirimulla	School of Pharmacy, The University of Texas, El Paso, USA	6/3/2021	Can Artificial Intelligence Revolutionize Drug Discovery?	220
Mr. Raj Vaidya, Mrs. M Vijayalakshmi, Ms. Shilpa Palaksha	Community Pharmacist, Hindu Pharmacy, Panaji, Goa, Pharmacy Officer, Department of Health & Family Welfare, Government of Karnataka, Asst. Professor, Department of Pharmacy Practice, JSSCP, JSS AHER	6/12/2021	Challenges & Opportunities for Practicing Pharmacists during COVID-19 Pandemic	120
Mr. Keerthy H S	Mallige College of Pharmacy, Bangalore	6/25/2021	Pharmaceutical Entrepreneurship – A Profile	45
Dr. Akash Chaurasiya	BITS Pilani, Hyderabad Campus	6/29/2021	An Overview on Pharmaceutical product Development and Approval Process	114
Dr. Girinath G Pillai	Zastra Innovations Bengaluru	6/19/2021	Lead optimization of drug candidates using multiparameter approach	150
Mr. Harshil Patel	Deputy Manager – Pharmacovigilance, APCER Life Science, Inc. Mumbai	6/26/2021	Risk Management Planning in Pharmacovigilance	102
Dr Saba Manvizhi	Associate Professor, Sri Ramachandra Institute of	6/24/2021	Patent filing and Prosecution	130

	Higher Education and Research, Chennai.			
Ms. Lakshmi Achuta	Strategic advisor for Biotech and Pharma and Advisory committee member of Indian Society for clinical research (ISCR- South Chapter)	7/15/2021	“Pharma Toolkit” Lecture Series 1: Quality Aspects of product lifecycle management	240
Dr. V.V.S Narayana Reddy Karri	Assistant Professor, JSS College of Pharmacy, Ooty, India	8/2/2021	“Design of Experiment (DOE): Theoretical & Practical aspects”	182

PATRONS



Dr. B. Suresh
PRO-CHANCELLOR,
JSS AHER



Dr. Surinder Singh
VICE CHANCELLOR,
JSS AHER



Dr. Manjunatha B.
REGISTRAR,
JSS AHER



Dr. P. A. Kushalappa
DIRECTOR (ACADEMICS)
JSS AHER

Video call link: <https://meet.google.com/osz-dsyr-xus>.

ENTREPRENEUR & ENTREPRENEURSHIP



8th May 2021, Friday
at 11:00 am



CONVENER



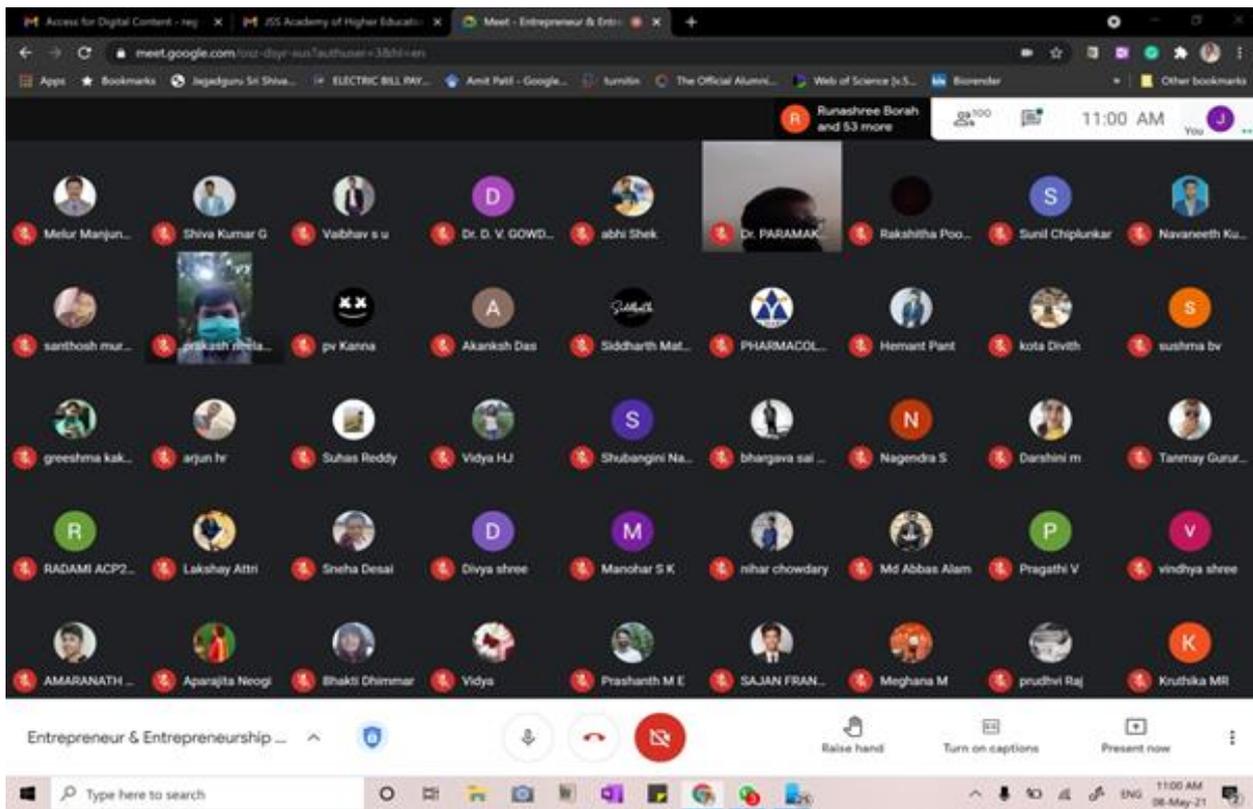
Dr. T. M. Pramod Kumar
Principal & Dean
JSS College of Pharmacy,
Mysuru

MODERATOR



Dr. Amit B. Patil
Assistant Professor
Co-ordinator: Training & Placement Cell
JSS College of Pharmacy, Mysuru

RESOURCE PERSON
by Mr. H. V. Vishvesh,
Founder Director, Arivu Skill
Development Academy, S2V
Solutions, Bangalore and Vice
President (Business
Development) Excel Inc,
Bangalore



JSS COLLEGE OF PHARMACY

Sri Shivarathreeshwara Nagar, Mysuru – 570 015

PATENT DRAFTING AND PROSECUTION

online
WEBINAR



Speaker

Dr. Saba Maanvizi

Associate Professor

Sri Ramachandra Faculty of Pharmacy

Sri Ramachandra Institute of Higher Education and Research

(Deemed to be University)

Chennai, Tamil Nadu India.

REC S Saba Maanvizi Faculty of Pharmacy, SRIHER is presenting

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- <http://worldwide.espacenet.com>
- <http://www.uspto.gov>
- <http://www.wipo.int>
- <http://pubchem.ncbi.nlm.nih.gov>
- <https://ipindiaservices.gov.in/publicsearch>

PRESENTATION 2021 Department of Pharmaceutics

11:42 AM | Patent Webinar

In-call messages

Messages can only be seen by people in the call and are deleted when the call ends.

Kavitha Chandrappa 11:41 AM
3 and 4

Ramya Shree G 11:42 AM
Thomas alva edison.....invention of bulb

Syed Suhaib Ahmed Pharmaceutics 11:42 AM
Edison-bulb

Send a message to everyone

Webinars

Type of Event	Name of the Program	Date(s) of the Program	Number of Participants
Webinar	Challenges During COVID-19 Pandemic : Pharmacists' Perspectives	02-07-2020	150
Workshop	e-workshop on "Structure based and Ligand based drug design"	13-07-2020, 14-07-2020	200
Workshop	Structure based and ligand based drug design	13-07-2020	200
eWorkshop	Structure-based drug design	13-07-2020 and 14-07-2020	300
Seminar	NEW PRODUCTS & APPLICATIONS IN HARD CAPSULES	31-07-2020	250
Training Program	Lexicomp Training Program	20/07/2020 & 24/07/2020	75
Workshop	Cardio Pulmonary resuscitation	21/09/2020-30/09/2020	87
Webinar	Vaccine Safety: Basics to Advanced	19/12/2020	950
Workshop	'Good Clinical Practice & Regulatory Updates' For "Institutional Human Ethics Committee Members, JSS College of Pharmacy, Mysuru".	12-02-2021	25
Continuous Professional Development	Continuing Professional Development (CPD) for Practicing Pharmacists, Topic: Role of Practicing Pharmacists in Immunization	13-02-2021	20

Continuous Professional Development	CPD on Online Pharmacy: Boon or Bane to Indian Healthcare System	27/03/2021	31
webinar	Interprofessional Practice and Communication	21-04-2021	50
Webinar	Cohort Event Monitoring and Targeted Spontaneous Reporting	24-04-2021	57
Training Program	Two days Training on Pharmacovigilance for Junior Pharmacovigilance Associate, Mysore Medical College, Mysuru.	05-April-2021 to 06-April-2021	1
Webinar Series	International Drug Discovery Webinar Series – 2021	28.05.2021	726
Seminar	Pharma Toolkit	15/07/2021	243
Seminar	Pharma Toolkit	20/07/2021	180
Webinar	Clinical Operations & Risk-Based Monitoring : Industry Perspectives	31-07-2021	275
Webinar	Introduction to Health Economics and Outcome research	07/08/2021	60
Workshop	Problem-Based Learning (PBL)	14-08-2021	20
Awareness & Sensitization Program	Awareness & Sensitisation on Adverse Drug Reaction Reporting & Monitoring	17-08-2021	40
Training Program	Training on Pharmacovigilance Activities Conducted for the Postgraduate Students of Department of Pharmacology, JSS College of Pharmacy, Mysuru	05-08-2021 to 06-08-2021	14

		<p style="text-align: center;">Totally 10 patents were files, 2 granted & 2 published</p>			
Sl. No	Year	Title of the patent Published	Application /Patent No.	Name of Inventors	Filed / Published Date (dd/mm/yyyy)
1	2020	A Dental Herbal composition for	202041015749	Tejaswini T and Dr Pramod Kumar TM	Filed (10/04/2020)

		cleaning tooth and oral cavity			
2	2020	An oral care composition	202041016388	Tejaswini T and Pramod Kumar TM	Filed (15/04/2020)
3	2020	An oral care composition	202041018606	Tejaswini T and Pramod Kumar TM	Filed (30/04/2020)
4	2020	Twelve Novel glitazones as antidiabetic agents synthesis and evaluation of Glucose Uptake Activity	202041034109	BR Prashanth Kumar, Mahendra GS, Prabitha P	Filed (08/08/2020)
5	2021	An enteric coated and sustained release oral tablet formulation of diclofenac sodium and a process thereof	202141006766	V.K.K Ameena Shirin, Renu Sankar, Balamuralidhara V. Gangadharappa H.V.	Published (27/02/2021)
6	2021	A device for determining disintegration time of a pharmaceutical thin film	376848	Maram Suresh Guptha and T.M. Pramod Kumar	Granted 01/03/2021
7	2021	Lipid Based Composition of Salinomycin for Triple Negative Breast Cancer	202141028656	Vikas Jain, Hitesh Kumar, N. Vishal Gupta, MVSSST Subba Rao	Filed (25-06-2021)
8	2021	A biodegradable and biocompatible smart gel injection and a process thereof	202141041795	Madhugiri Prakash Venkatesh, Deeksha Ramanand Pai, Tegginmat Pramod Kumar	Filed (16-09-2021)
9	2021	A synergistic and non-toxic combination for treating liver disorders		Dr Saravana Babu C and Mr. Vimal Kumar	Granted 11/01/2021
10	2021	A compound for the treatment of type II diabetes mellitus or insulin resistance		Dr SN Manjula Mr. Bhavimani Guru Dr Tamrakar	Published 16/02/2021

				Dr BR Prashantha Kumar	
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Consultancy: It is a services provided by professional which refers to income derived from providing a service to clients or customers. It is also a source for generating income for the college. College has approved drug Testing Laboratory provides service to the customers by analysing the samples and analytical method development.

Sl. No	Names of the consultants	Name of consultancy project	Consulting/Sponsoring agency with contact details
1.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	UV analysis	ITC Limited ITC Life Sciences & Technology Centre, NO. 3, I Main, I Phase Peenya Industrial Area Bangalore - 560 058
2.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	UV analysis	ITC Limited ITC Life Sciences & Technology Centre, NO. 3, I Main, I Phase Peenya Industrial Area Bangalore - 560 058
3.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	HPLC analysis	Division Medical Officer Railway Hospital Mysore
4.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	HPLC method development	Chief Medical Superintendent Divisional Railway Hospital South Western Railway Bangalore
5.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	B Kiran Kumar Department of Pharmaceutics CES College of Pharmacy Kurnool
6.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	Harshitha K N Department of Pharmaceutics Sree Siddaganga College of Pharmacy, Tumakuru
7.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC & IR analysis	Lokesh Department of Pharmaceutics Al-Ameen College of Pharmacy Bengaluru
8.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	Dr. V G Joshi Professor and Head Department of Pharmaceutics

			Government College of Pharmacy, Bengaluru
9.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC & IR analysis	The Principal Sarada Vilas College of Pharmacy, Mysore – 570 004
10.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	P Sucharitha Research Scholar Sri Venkateswara College of Pharmacy, Chittoor
11.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR	Dr. Asha Srinivasan Dept. of Nanotechnology Faculty of Life Sciences JSS AHER, Mysuru
12.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016,Tele: 0821 – 2582039/045
13.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016,Tele: 0821 – 2582039/045
14.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
15.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
16.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
17.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
18.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045

19.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	UV analysis	The Director CSI Hospital, Hassan
20.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
21.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
22.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
23.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
24.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	Dr. Lavakumar V Professor, Arulmigu Kalasalingam College of Pharmacy, Krishnankoil 9791811967
25.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	Dr. Lavakumar V Professor, Arulmigu Kalasalingam College of Pharmacy, Krishnankoil, 9791811967
26.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	Dr. Lavakumar V Professor, Arulmigu Kalasalingam College of Pharmacy, Krishnankoil, 9791811967
27.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
28.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045

29.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016,Tele: 0821 – 2582039/045
30.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR & Flame photometry	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
31.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	Naveen PSG College of Pharmacy Coimbatore
32.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
33.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
34.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
35.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
36.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
37.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
38.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	Ankit sharma Adhichunchangiri College of Pharmacy, BG Nagar

39.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	C N Somshekhar Bharathi College of Pharmacy KM Doddy
40.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
41.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
42.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	HPLC method development	Dr. Prakash Ashwini Diabetic Centre Mysuru
43.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	Bhargav E RIPER College, Anantapur
44.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC & IR analysis	Dr. Shankraiah M M Professor Dept. of Pharmaceutics SCS College of Pharmacy Harapanahalli - 583131
45.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	HPLC method development	Dr. Ittagi Shanmukha Professor Dept. of Pharmacology SCS College of Pharmacy Harapanahalli - 583131
46.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
47.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	HPLC method development	The Principal Sarada Vilas College of Pharmacy Mysore – 570 004
48.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016, Tele: 0821 – 2582039/045
49.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	IR analysis	M/s. Millennium Chemi Pharma (Mysore) Pvt. Ltd., No. 49, Mysore – Belagola Industrial Area, Metagalli, Mysore – 570 016,Tele: 0821 – 2582039/045

50.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	Dr. C. Haranath Associate Professor Department of Pharmaceutics RIPER, Anantapur
51.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC analysis	The Principal Al-Ameen College of Pharmacy Bangalore
52.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC & IR analysis	Ranjith R Krupanidhi College of Pharmacy, Bangalore
53.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	DSC & IR analysis	Ranjith R Krupanidhi College of Pharmacy Bangalore
54.	Dr.R.S. Chandan/Dr. Gurupadayya B.M.	HPLC method development	The Principal Bapuji Pharmacy College Shamnur Road, SS layout Davanagere – 577 004
55.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Astrazeneca
56.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Astrazeneca
57.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Clinera
58.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Clinera
59.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Biological E
60.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Bharat Biotech International Ltd
61.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Shantha Biotech
62.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Serum Institute of India
63.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Biological E
64.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Serum Institute of India
65.	Mr.Balaji/Dr.M.Ra mesh	Clinical Trial	Cadila Pharmaceuticals Ltd.
66.	Dr. S.N Manjula	Evaluation of anti- stress effects of Mulmina™ against Chronic Unpredictable Mild Stress model in mice.	Jagdale Industries Pvt. Ltd. Karnataka
67.	Dr. S.N Manjula	Evaluation of Memory Impairment and Antiepileptic Activity	Jagdale Industries Pvt. Ltd. Karnataka

		of Tiagabine in Presence and Absence of Mulmina™	
68.	Dr. S.N Manjula	Evaluation of anticlastogenic activity of mulmina™ using zebra fish and mice model.	Jagdale Industries Pvt. Ltd. Karnataka

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Publications related to SDG

Details of Publications

Sl. No	Title of the paper	Authors	Journal Name with ISSN Number	Journal Details	IF	SDG No.	Scopus Indexed
Department of Pharmaceutics							
	Curcuminoid analogs, a novel class of drugs for the treatment of Glioblastoma multiforme (Intercollegiate Publication) (Conference proceedings)	Shivachar, A.C., Selvam, C., Bhaskaran, M., Hosseini- Zare, M.S. and Ranganna, K.	The FASEB Journal/ 0892-6638 (print); 1530-6860 (web)	2020;34: 1-1. doi:10.1096/fasebj.2020.34.s1.04505	5.39 1	3	Scopus Indexed
	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; https://doi.org/10.1016/j.mehy.2020.110081	1.37 5	3	Scopus Indexed
	Graphene nanoribbons: A promising nanomaterial for biomedical applications(Review)	Asha P. Johnson, H.V. Gangadharappaa, K. Pramod	Journal of Controlled Release//ISSN:0168-3659	2020;235: 141–162	7.90 1	3	Scopus and Web of Science Indexed
	A review of nanotechnology-based approaches for breast cancer and triple-negative breast cancer(Review)	Jain V., Kumar H., Anod H.V., Chand P., Gupta N.V., Dey S., Kesharwani S.S.	Journal of Controlled Release//ISSN:0168-3659	2020; https://doi.org/10.1016/j.jconrel.2020.07.003	7.90 1	3 and 9	Scopus and Web of Science Indexed
	A review on insulin formulations for diabetes mellitus therapy(Review)	Asha Spandana K.M., Patil A.B., Gowda D.V., Bhaskaran M., Kutty C.C.	International Journal of Research in Pharmaceutical Sciences /ISSN: 0975-7538	2020;	---	3 and 9	Scopus Indexed
	Recent Review on Role of Resveratrol in Diabetes and its Complication(Review)	Dhruval Nandurkar., Manohar M., Gowda DV	International Journal of Research in Pharmaceuti	2020; http://dx.doi.org/10.2645	---	3 and 9	Scopus Indexed

			cal Sciences /ISSN: 0975-7538	2/ijrps.v11i2. 2069			
	Rapid microbiological testing method	Raghuprakash P., Gowrav M.P., Gangadharappa H.V., Kumar H.	International Journal of Research in Pharmaceutical Sciences /ISSN: 0975-7538	2020; https://doi.org/10.26452/ijrps.v11i3.2582	---	3 and 9	Scopus Indexed
	Designing and quality aspects of aseptic process simulation (Review)	Teja Sri Maddirala, Hemanth Kumar S, Shailesh T, Gowrav M. P.	International Journal of Applied Pharmaceutics /ISSN: 0975-7058	2020;12(4): 17-23	-	3 and 9	Scopus Indexed
	Current regulatory requirements for cosmetics in USA and India(Review)	Savitha Bhat, M P Venkatesh, Balamuralidhara V	International Journal of Pharmaceutical Research/ISSN: 0975-2366	2020;12(4): 1206-1212	-	3	Scopus Indexed
	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	-	9	-
	A Paradigm Shift in the Development of Anti-Candida Drugs (Review)	D.V. Gowda, M. Afrasim, S.I. Meenakshi, M. Manohar, S. Hemalatha, H. Siddaramaiah, P. Sathishbabu, S.M. Danish Rizvi, T. Hussain and M.A. Kamal	Current Topics in Medicinal Chemistry/ISSN: 1873-4294	2019;19(28): 2610-2628.	3.21	3 and 9	Scopus and Web of Science Indexed

	Review on modern drug packaging in pharmaceutical industries(Review)	Rajendra Patel P., Gowrav M.P., Vamsi B., Hemanth Kumar S.	International Journal of Research in Pharmaceutical Sciences /ISSN: 0975-7538	2020; http://dx.doi.org/10.26452/ijrps.v11i2.2069	---	9	Scopus Indexed
	Recent developments in orally disintegrating mini tablets	Sarashetti S., Jain V., Gowda D.V., Mallya P., Babu S.	International Journal of Research in Pharmaceutical Sciences /ISSN: 0975-7538	2020; https://doi.org/10.26452/ijrps.v11i3.2520	---	3 and 9	Scopus Indexed
	Controlled Drug Regulation in Russia: A Regulatory Factsheet (Review)	Mahalakshmy L, Balamuralidhara V	International Pharmaceutical Industry /ISSN:1755-4578	2020;12(2):10-12	-	3	-
	Dissolution Specifications for Oral Drug Products (IR, DR, ER) in the USA – A Regulatory Perspective (Review)	Venkateswara Reddy., Balamuralidhara V., Venkatesh M P., Gowrav M P	International Pharmaceutical Industry /ISSN:1755-4578	2020;12(2):36-41	-	3	-
	Barriers in Medical Device Innovation (Review)	S. S. Tarun Nag, V. Balamuralidhara., Gowrav M P	International Pharmaceutical Industry /ISSN:1755-4578	2020;12(2):41-44	-	3 and 9	-
	Medical Device: Classification and Nomenclature (Review)	Balamuralidhara V., Kaushik Devaraju., Sara Jabeen	Pharma Review/ISSN: 0973399x	2020;18(104) : 71-75	-	3 and 9	-
	Gxp Computerized System: A Risk Based Approach (Review)	Swathi K.C, Balamuralidhara V, M P Venkatesh, H V Gangadharappa	International Journal of Pharmaceutical Research/ISSN: 0975-2366	2020;12(1):434-439	-	9	Scopus Indexed
	Clinical Evaluation & Post Marketing Surveillance Of Medical	Sanhita Singha Roy, Balamuralidhara	International Journal of Pharmaceuti	2020;12(1):440-446	-	3	Scopus Indexed

Devices In India: A Regulatory Look (Review)	V. Swathi K C, M.P.Gowrav	cal Research/ISS N: 0975-2366				
WHO Global Benchmarking Tool (GBT) For Evaluation Of National Regulatory Systems (Review)	Narendran Kannan, M P Venkatesh	International Journal of Pharmaceuti cal Research/ISS N: 0975-2366	2020;12(1): 464-468	-	3 and 9	Scopus Indexed
Characterization of Orodispersible Films: An Overview of Methods and Introduction to a New Disintegration Test Apparatus Using LDR - LED Sensors	Gupta M.S., Kumar T.P.	Journal of Pharmaceuti cal Sciences/ ISSN: 0022- 3549	2020;109(10) :2925- 2942/https:// doi.org/10.1 016/j.xphs.2 020.06.012	2.99 7	3 and 9	Scopus Indexed
Carbon nanostructures: The drug and the delivery system for brain disorders	Henna T.K., Raphey V.R., Sankar R., Ameena Shirin V.K., Gangadharappa H.V., Pramod K.	International Journal of Pharmaceuti cs/ 0378- 5173 (print); 1873-3476 (web)	2020; 587, 119701 https://doi.o rg/10.1016/j. ijpharm.2020 .119701	4.48 5	3 and 9	Scopus Indexed
Nano robots in Cancer Therapy (Review)	Chythanya C.Kutty, Amit B.Patil, Asha Spandana KM, Gowda DV, PreetiS	International Journal of Research in Pharmaceuti cal Sciences /ISSN: 0975-7538	2020;11(3) 3626-3636	0.2	3 and 9	Scopus AND Web of scienceInd exed
Software as a medical device: Need of the hour(Review)	S. Narmada, V. Balamuralidhara, M. P. Venkatesh, M. P. Gowrav	Drug Invention Today/ISSN: 0975-7619	2020;13(2): 149-155	---	9	Scopus Indexed
Regulatory Overview on Rare Diseases and Orphan Drugs in India(Review)	Jyothi M S, Balamuralidhara V, Nagaraju.S	International Journal of Pharmaceuti cal Research/ISS N: 0975-2366	2020;12(1): 1957-65	-	3	Scopus Indexed

Registration Requirement and Approval Procedure of Vaccines in Ukraine(Review)	Raghotham S, Balamuralidhara V., Kamireddy Karuna	Pharma Review/ISSN: 0973-399X	2020;18(105): 29-34	-	3 and 9	-
Design and formulation of polymeric nanosponge tablets with enhanced solubility for combination therapy	Afrasim Moin, N. K. Famna Roohi, Syed Mohd Danish Rizvi, Syed Amir Ashraf, Arif Jamal Siddiqui, Mitesh Patel, S. M. Ahmed, D. V. Gowda, Mohd Adnan	RSC Advances/ISSN: 2046-2069	2020;10(57): 34869–34884	3.07	3 and 9	Scopus and Web of Science Indexed
Silk fibroin as a natural polymeric based bio-material for tissue engineering and drug delivery systems-A review (Review)	Shahid Ud Din Wani, Surya Prakash Gautam, Zulfkar Latief Qadrie, H.V. Gangadharappa	International Journal of Biological Macromolecules/ISSN: 0141-8130	2020;163(0): 2145–2161	5.162	3 and 9	Scopus Indexed
Therapeutic applications of Resveratrol on human disease (Review)	Jayaprakash T, Gowda DV, Kulkarni PK	International Journal of Research in Pharmaceutical Sciences /ISSN: 0975-7538	2020;11(2): 1447-1456	---	3 and 9	Scopus
Nutraceutical regulations in ASEAN countries (Review)	G. Sai Bhavani, M. P. Venkatesh, T. M. Pramod Kumar	Drug Invention Today/ISSN: 0975-7619	2020;13(6): 1019-1025	-	3	Scopus Indexed
Recent changes in the draft new drugs and clinical trials rules in Indian regulatory system with current fees structure(Review)	Parag Bhushan Gautam, M. P. Venkatesh	Drug Invention Today/ISSN: 0975-7619	2020;13(6): 989-993	-	3	Scopus Indexed
Regulatory aspects of over-the-counter drug monograph in the USA and Canada(Review)	Savitha S. Bhat, M. P. Venkatesh, V. Balamuralidhara	Drug Invention Today/ISSN: 0975-7619	2020;13(3): 120-127	-	3	Scopus Indexed
An Overview of Risk Management and Risk-based Cleaning Validation(Review)	Sumukha Krishna P., Gangadharappa H V, Nagendra S, Hemanth Kumar S	International Journal of Research in Pharmaceutical	2020;11(2): 5407-5414	--	3	Scopus

			Sciences//ISSN: 0975-7538				
	Current Perspectives on Therapies, Including Drug Delivery Systems, for Managing Glioblastoma Multiforme (Review)	Mahendran Bhaskaran, Vishakante Gowda Devegowda, Vishal Kumar Gupta, Amruthesh Shivachar, Rohit Rajendra Bhosale, Muthuraman Arunachalam, Thirumalaraju Vaishnavi	ACS Chemical Neuroscience/ISSN: 1948-7193	2020:11(19): 2962-2977	4.48	3 and 9	Scopus and Web of Science
	<u>An overview of advanced formulation and nanotechnology-based approaches for solubility and bioavailability enhancement of silymarin</u>	Siddharth S.Kesharwania, Vikas Jain, SurajitDey, Swagat Sharma , Pooja Mallya , Vadikari Arunkumar	Journal of Drug Delivery Science and Technology/ISSN: 1773-2247	2020 DOI: 10.1016/j.jddst.2020.102021	2.606	3 and 9	Scopus and Web of Science Indexed
	<u>Aerosol vaccine of influenza-A critical review</u> (Review)	<u>Patil, A.B., Gayathri, G.L.</u>	International Journal of Research in Pharmaceutical Sciences/ISSN:0975-7538	2020; 11(2), pp. 2247-2255	-	3 and 9	Scopus Indexed
	<u>Therapeutic application of resveratrol in human diseases</u>	<u>Jayaprakash, J.S., Gowda, D.V., Kulkarni, P.K.</u>	International Journal of Research in Pharmaceutical Sciences/ISSN:0975-7538	2020; 1(2): 1447-1456	-	3 and 9	Scopus Indexed
	<u>Formulation, characterisation and evaluation of the ethosuximide oral immediate release tablets</u>	<u>Naga Sujan, M., Mehta, K.K., Patil, A.B., Vajhala, A.</u>	International Journal of Research in Pharmaceutical Sciences/ISSN:0975-7538	2020; 11(2): 1807-1813	-	3 and 9	Scopus Indexed

	<u>A review on methods of preparation and characterisation of the solid lipid nanoparticles (Review)</u>	<u>Naga Sujan, M., Patil, A.B., Gowda, D.V.</u>	<u>Research Journal of Pharmacy and Technology/I</u> SSN: 0974-360X (Online) 0974-3618 (Print)	2020; 13(7): 3433-3441	--	3 and 9	Scopus Indexed
	<u>Design, development and evaluation of solid form of liquid self-nanoemulsifying formulation for improving the oral bioavailability of itraconazole</u>	<u>Yadav, V.K., Balamuralidhara, V., Hemanth Kumar, S.</u>	<u>Research Journal of Pharmacy and Technology</u> ISSN: 0974-360X (Online) 0974-3618 (Print)	2020; 13(6): 2639-2646	--	3 and 9	Scopus Indexed
	<u>Formulation and evaluation of fixed dose combination of nootropic drug</u>	<u>Priyavarshini, R., Betala, S., Patil, A.B.</u>	International Journal of Research in Pharmaceutical Sciences/ISSN:0975-7538	2020; 11(3): 2895-2908.	-	3 and 9	Scopus Indexed
	<u>Recent development in the artificial treatment for dry eye disease</u>	<u>Priyavarshini, R., Patil, A.B.</u>	International Journal of Research in Pharmaceutical Sciences/ISSN:0975-7538	2020; 11(3): 2848-2857	-	3 and 9	Scopus Indexed
	COVID-19 Vaccine Development, Trials and Tribulations.	Juny Sebastian, Mandyam Dhathi Ravi, Tegginamat Pramod Kumar	Indian Journal of Pharmaceutical Education and Research/ISSN:	2020;54(3): S457-S463	0.50 1	3 and 9	Scopus and Web of Science Indexed

			0019-5464				
	Patent Perspective on Orodispersible Films(Review)	Suresh Gupta, TM Pramod Kumar, D V Gowda	Recent Patents on Drug Delivery & Formulation /ISSN: 2212-4039	2020;14: 88-97	0.61	3 and 9	Scopus Indexed
	Targeted drug delivery of Methotrexate in situ gels for the treatment of Rheumatoid Arthritis	Madhugiri Prakash Venkatesh, Tegginmat Pramod Kumar, Deeksha Ramananda Pai	Saudi Pharmaceutical Journal / ISSN: 1319-0164	2020; https://doi.org/10.1016/j.jsps.2020.10.003	2.879	3 and 9	Scopus and Web of Science Indexed
	Nanostructured lipid carrier-based smart gel: a delivery platform for intra-articular therapeutics	Chetan Shinde, Madhugiri Prakash Venkatesh, Tegginmat Pramod Kumar & Deeksha Ramananda Pai	Autoimmunity /ISSN: 0891-6934	2020; DOI::10.1080/08916934.2020.1846184	2.125	3 and 9	Scopus and Web of Science Indexed
	Microneedles Drug Delivery Systems for Treatment of Cancer: A Recent Update (Review)	Aravindram Attiguppe Seetharam, Hani Choudhry, Muhammed A. Bakhrebah, Wesam H. Abdulaal, Maram Suresh Gupta, Syed Mohd Danish Rizvi, Qamre Alam, Siddaramaiah, Devegowda Vishakante Gowda, Afrasim Moin	MDPI-Pharmaceutics /ISSN: 1999-4923	2020;12(1): 27-Jan	4.42	3 and 9	Scopus and Web of Science Indexed
	Recent review on lipid drug conjugates for the treatment of glioblastoma(Review)	H. Nandita, P. K. Kulkarni, D. V. Gowda	Drug Invention Today /ISSN: 0975-7619	2020;14(2): 238-247	-	3	Scopus and Web of Science Indexed

Clinical Evaluation and Post-marketing Surveillance of Medical Devices in the USA (Review)	Balamuralidhara V.,Kavya S. Reddy.,Sanhita Singha Roy.,M P Venkatesh	Journal for Clinical Studies/ISSN: 1758-5678	2020;12(4): 24-28	-	3	-
Efficient Life cycle management and regulatory navigation pathway of regulated products & its applications in India (Review)	Abhishek.B.V , Balamuralidhara V,	PENSEE International Journal /ISSN: 0031-4773	2020;50(11): 260-277	-	3	Scopus Indexed
Restorative Efficiency of Bursera Simaruba- Isolated Phytonutrients for the Therapy of Various Diseases(Review)	Preethi S* , Vikas Jain, Amit B Patil, Siree K G, Sowmya B.A	systematic reviews in Pharmacy/IS SN: 0975-8453, 0976-2779	2020;11(11): 1022-1036	-	3	Scopus Indexed
Naphthoquinones in the Treatment of Cancer (Review)	Pradeep Kumar S, Pooja Mallya, Vikas Jain	Journal of Pharmaceuti cal Sciences & research (J. Pharm. Sci. & Res.)/ISSN:0 975-1459	2020;12(4): 587-590	-	3	-
Nanoemulsion: A Novel Trait In The Treatment Of Skin Ageing (Review)	N. S. Saraf, D. V. Gowda, V. Jain and P. S. Babu	International Journal Of Pharmaceuti cal Sciences And Research/ISS N: 0975-8232	2020;11(4): 1537-1548	-	3	Web of Science Indexed
Progress in novel ultradeformable vesicular drug carrier in the topical and transdermal treatment of psoriasis (Review)	Nirmala Nayak , Preethi Somanna , Amit B Patil & Arun Radhakrishnan	Therapeutic delivery /ISSN 2041-5990	2020; Doi: https://doi.org/10.4155/tde-2020-0081	-	3	Scopus Indexed
Modulation of drug release from natural polymer matrices by	Afrasim Moin, H.V. Gangadharappa, Mohd Adnan,	Drug Design, Developmen	2020;14: 5325-5336	3.27	3 and 9	Scopus and Web of

	response surface methodology: In vitro and in vivo evaluation	Syed M.D. Rizivi, Syed A. Ashraf, Mitesh Patel, Amr S. Abu Lila, Ahmed N. Allam.	t and Therapy /ISSN:1177-8881				Science Indexed
Pharmaceutical Chemistry							
	Analytical method development and validation for the impurities of formulated nimesulide granules by RP-HPLC method	Ganta Uday Kiran, B. M. Gurupadayya, Keshava S. G, Raja Jakkam, Mayur Narendra Dahake and Subba Rao Eedara	Journal of Global Trends in Pharmaceutical Sciences/ISSN: 2230-7346	2020;11(3): 8294 - 8299	-	3 & 9	-
	Evolution of liquid chromatography: Technologies and applications (Review)	Durai Ananda Kumar T, Sai Charan, Venkateswarlu A, Supriya Reddy K	International Journal of Research in Pharmaceutical Sciences (IJRPS)/ISSN: 0975-7538	2020;11(3): 3204-3211	---	9	Scopus Indexed
	Bio-Analytical method development and validation of dichlorvos pesticide by RP-UFLC method	Vaishnav Lal C. L, R. S Chandan, Maruthi. R, Anand Kumar Tengli	Research Journal of Pharmacy and Technology/ISSN:0974-360X	2020;13(8): 3725-3728	---	3 & 9	Scopus Indexed
	Innovative methodologies for identification and qualification of Impurities: An overview of the latest trends on impurity profiling(Review)	Nishanth G, Akhila G, Anandkumar Tengli, Chandan R S, Suraj K, Maruthi R, Akshay N	International Journal of Research In Pharmaceutical Sciences/ISSN: 0975-7538	2020;11(3); 1-13	-	3	Scopus and Web of Science Indexed
	Identification of potential mRNA panels for severe acute respiratory syndrome coronavirus 2 (COVID-19) diagnosis and treatment using microarray dataset and	Basavaraj Vastrad, Channabasayya Vastrad & Anandkumar Tengli	3 Biotech, Spinger Nature/ISSN: 21905738	2020;10(422) : 1-65	2.3	3 & 9	Scopus and Web of Science Indexed

	bioinformatics methods						
	Sonochemical synthesis of graphitic carbon nitride-manganese oxide interfaces for enhanced photocatalytic degradation of tetracycline hydrochloride	Shivamurthy Ravindra Yashas, Harikaranahalli Puttaiah Shivaraju, Gyaltzen Pema, Ningappa Kumara Swamy, Keerthiraj Namratha, Bannimath Gurupadayya & Puttaswamy Madhusudan	Environmental Science and Pollution Research/ISSN: 1614-7499	2020;10; DOI:10.1007/s11356-020-10813-0	3.056		Scopus and Web of Science Indexed
	Synthesis and in vitro Cytotoxicity Study of Novel 4-Substituted Quinazolines Encompassed with Thiazolidinone and Azetidinone	Akash Jori, Sheshagiri R Dixit, G. V. Pujar	Asian Journal of Chemistry/ISSN: 09707077	2020;32(10): 2617-2623	0.6	3 & 9	Scopus and Web of Science Indexed
	In silico molecular docking studies on some novel n-substituted sulfonamide anthranilate hydroxamic acid derivatives for its cytotoxic potential against cancer markers	Abinash Pandit, S.N. Sriharsh, N. Habeela Jainab, Praveen P, Sheshagiri R Dixit	Indo American Journal of Pharmaceutical Research/ISSN: 2231-6876	2020;10(8): 1268-1276	-	3 & 9	-
	In silico molecular docking studies on the chemical constituents of clerodendrum phlomidis leaf for its cytotoxic potential against lung cancer markers	Anu Pandit, N. Habeela Jainab, S. N. Sriharsha, Praveen P, Sheshagiri R Dixit	Indo American Journal of Pharmaceutical Research/ISSN: 2231-6876	2020;10(8): 1268-1276	-	3 & 9	-
	Swertiamarin and quercetin combination ameliorates hyperglycemia, hyperlipidemia and oxidative stress in streptozotocin-induced type 2 diabetes mellitus in wistar rats	V. Jaishree, Shravan Narsimha	Biomedicine and Pharmacotherapy/ISSN: 1950-6007	2020;130: https://doi.org/10.1016/j.biopha.2020.110561	4.54	3 & 9	Scopus and Web of Science Indexed

Antitubercular Potential of Novel Isoxazole Encompassed 1, 2, 4-Triazoles: Design, Synthesis, Molecular Docking Study and Evaluation of Antitubercular Activity	Neenu Ganesh, Arun Kumar S, Manisha Singh, Venkaraddi Mangannavar Chandrashekar and Gurubasavaraj Veeranna Pujar,	Anti-Infective Agents/ISSN: 2211-3525/20	2020;18(1) (E-pub Ahead of Print)	0.6	3 & 9	Web of Science Indexed
Two Rationally Identified Novel Glitazones Reversed the Behavioral Dysfunctions and Exhibited Neuroprotection Through Ameliorating Brain Cytokines and Oxy-Radicals in ICV-LPS Neuroinflammatory Rat Model	Antony Justin, Premkumar Ashwini, Jincy A. Jose, Victoria Jeyarani, S. P. Dhanabal, Chennu Manisha, Subhankar P. Mandal, Guru Bhavimani, P. Prabitha, S. Yuvaraj and B. R. Prashantha Kumar	Frontiers in Neuroscience/ISSN: 54567	2020;14:116	3.7	3 & 9	Scopus and Web of Science Indexed
Rational Design, Synthesis and Evaluation of Novel Rodanine Derivatives for Antihyperglycemic Activity	Subhankar P. Mandal, Anu Reji, Guru Bhavimani, P. Prabitha, Priya Durai, S. Yuvaraj, A. Shashank, K. L. Krishna & B. R. Prashantha Kumar	Polycyclic Aromatic Compounds/ISSN:56984	2020;1-11	1.9	3 & 9	Scopus and Web of Science Indexed
Analytical method development and validation of Etravirine by UV Spectroscopy	Barath M, Chandan R. S, Maruthi R, N. Paramakrishnan	Research Journal of Pharmacy and Technology/ISSN: 0974-360X	2020;13(10): 4707-4710	0.11	3	Scopus Indexed
Traditional uses, phytochemistry, and ethnopharmacology of Colebrookea oppositifolia Smith: A mini-review(Review)	Gollapalle L. Viswanatha, H. Shylaja, H. Yogish Kumar, M. V. Venkataranganna & N. B. L. Prasad	Advances in Traditional Medicine/ISSN: 2662-4052	2020; https://doi.org/10.1007/s13596-020-00513-y	0.6	3	Scopus Indexed
Analytical and Bio-Analytical Method Development and	Vaishnav Lal C L, Chandan R S,	International Journal of Research in	2020;11(4): 5650-5658	-	9	Scopus Indexed

Validation of Dichlorvos Pesticide Using RP-HPLC Method	Maruthi R, Gurupadayya B M	Pharmaceutical Sciences/ISSN: 0975-7538				
Discovery of Rhodanine and Thiazolidinediones as Novel Scaffolds for EGFR Inhibition: Design, Synthesis, Analysis and CoMSIA Studies	Tisa Francis, Sheshagiri R. Dixit, B. R. Prashantha Kumar	Polycyclic Aromatic Compounds/ISSN: 15635333, 10406638	2020; https://doi.org/10.1080/10406638.2020.1836004	1.89	3 & 9	Scopus and Web of Science Indexed
<u>Minutes of PPAR-γ agonism and neuroprotection</u>	B.R.Prashantha Kumara Ashwini Prem Kumar, Jincy A. Jose, .Prabitha, S.Yuvaraja Sandhya Chipurupalli, Victoria Jeyarani Chennu Manisha Sayani Banerjee, Jeyaram Bharathi Jeyabalan, Suresh Kumar Mohankumar, S.P.Dhanabal, Antony Justin	<u>Neurochemistry International</u> /ISSN: 18729754, 01970186	2020/ https://doi.org/10.1016/j.neuint.2020.104814	3.1	3	Scopus and Web of Science Indexed
<u>Design, synthesis, and cytotoxicity evaluation of new 2,4-disubstituted quinazolines as potential anticancer agents</u>	<u>Pujar, G.V., Ali, S.M.</u>	Journal of Applied Pharmaceutical Science/ISSN : 2231-3354	2020;10(8): 37-42	--	3 & 9	Scopus Indexed
<u>Curcumin to inhibit binding of spike glycoprotein to ACE2 receptors: Computational modelling, simulations, and ADMET studies to</u>	<u>Shanmugarajan, D., P., P., Kumar, B.R.P., Suresh, B.</u>	RSC Advances/ISSN: 2046-2069	2020; 10(52), pp. 31385-31399	3.07	3 & 9	Scopus and Web of Science Indexed

	<u>explore curcuminoids against novel SARS-CoV-2 targets</u>						
	<u>Development of novel glitazones as antidiabetic agents: Molecular design, synthesis, evaluation of glucose uptake activity and SAR studies</u>	<u>Mahendra Gowdru</u> <u>Srinivas, Prabitha Prabhakaran, Subhankar Probhat Mandal, Yuvaraj Sivamani, Pranesh Guddur, Bommenahally Ravanappa Prashantha Kumar</u>	Letters in Drug Design & Discovery/ ISSN: 1875-628X (Online) ISSN: 1570-1808 (Print)	2020;17(7): 840 - 849	1.16 9	3 & 9	Scopus and Web of Science Indexed
	Characterization of impurities in Teneligliptin hydrobromide hydrate by using LCMS/MS and NMR	Maruthi R, Chandan R. S, Anand Kumar Tengli,	Research Journal of Pharmacy and Technology/ ISSN: 0974-360X	2020;13(8): 3569-3576, DOI: 10.5958/0974-360X.2020.00631.9	--	9	Scopus Indexed
	Analytical Method development and Validation of Teneligliptin by RP-UFLC	Maruthi R, Chandan R S, Barath M, G Naveen Datta, Merryl D'silva, Kajal Kumari M, Farhan Ahmad, Geetha R,	Research Journal of Pharmacy and Technology/ ISSN: 0974-360X, DOI: 10.5958/0974-360X.2020.00713.1.	2020; 13(9): 4035-4040	--	9	Scopus Indexed
	Resveratrol: A Comprehensive Review on its Chemical, Biological Activities and Therapeutic Potentials (Review)	Nur Mursyida Saad, Mahendran Sekar, Siew Hua Gan, Pei Teng Lum, Jaishree Vaijanathappa, Subban Ravi	Pharmacognosy Journal /ISSN: 0975-3575	2020;12(6)	0.82	3	Scopus and Web of Science Indexed
	Lutein: A Comprehensive Review on its Chemical, Biological activities and	Nurul Iman Nurul Fuad, Mahendran Sekar, Siew Hua Gan, Pei Teng Lum, Jaishree	Pharmacognosy Journal /ISSN: 0975-3575	2020;12(6)	0.82	3	Scopus and Web of Science Indexed

	Therapeutic Potentials (Review)	Vaijanathappa, Subban Ravi					
	Semisynthetic Derivatives of Eugenol and their Biological Properties: A Fleeting Look at the Promising Molecules (Review)	Noor Fathima Anjum, Madhusudan N. Purohit, H. Yogish Kumar, K. Ramya, Saleem Javid, M.D. Salahuddin & B.R. Prashantha Kumar	Journal of Biologically Active Products from Nature/ISSN: 2231-1866	2020;10(5): 379 - 404	1.0	3	Scopus and Web of Science Indexed
	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.genrep.2020.100956	0.65	3 & 9	Scopus and Web of Science Indexed
Pharmacology							
	Natural Products and Their Therapeutic Effect on Autism Spectrum Disorder(Book Chapter)	Satarupa Deb., Banashree Chetia Phukan., Ankumoni Dutta., Musthafa Mohamed Essa., Anupom Borah., Rajib Paul., Pallab Bhattacharya., Thamilarasan Manivasagam., Arokiasamy Justin Thenmozhi., Saravana Babu Chidambaram	Name of the Book: Advances in Neurobiology /DOI: https://link.springer.com/chapter/10.1007/978-3-030-30402-7_22	Editor by : M. Mohamed Essa, M. Walid Qoronfleh /Springer, Switzerland	--	3	Scopus, Science direct
	Contemporaneous Novel Therapeutic Targets Recognized for their potential role in Colorectal, Lung, Breast, and Hepatocellular Carcinoma-A Review (Review)	Abhinav Raj Ghosh, K. L. Krishna, Seema Mehdi, Nandini HS, Chandan HM, Bhooshitha AN	Research Journal of Pharmacy and Technology/ISSN: 0974-360X	2020;13(7): 3494-3500	--	3	Scopus Indexed

	Gene pair correlation coecients in sphingolipid metabolic pathway as a potential prognostic biomarker for breast cancer (Intercollegiate Publication) (Out side JSSAHER)	Meena Kishore Sakharkar, Sarinder Kaur Dhillon, Saravana Babu Chidambaram, Musthafa Mohamed Essa and Jian Yang	Cancers/ ISSN 2072-6694	2020;12(1747)	6.126	3 & 9	Scopus and Web of Science Indexed
	Phosphodiesterase-4 enzyme as a therapeutic target in neurological disorders (Review) (Intercollegiate Publication) (Out side JSSAHER)	Abid Bhat, Bipul Ray, Arehally Marappa Mahalakshmi, Sunanda Tuladhar, D N Nandakumar, Malathi Srinivasan, Musthafa Mohamed Essa, Saravana Babu Chidambaram, Gilles J Guillemin, Meena Kishore Sakharkar	Pharmacological Research/ISSN: 1043-6618	2020;160:105078	5.893	3	Scopus and Web of Science Indexed
	Cocoa beans improve mitochondrial biogenesis via PPAR α /PGC1 β dependent signalling pathway in MPP+ intoxicated human neuroblastoma cells (SH-SY5Y)	Chidambaram S.B., Bhat A., Ray B., Sugumar M., Muthukumar S.P., Manivasagam T., Justin Thenmozhi A., Essa M.M., Guillemin G.J., Sakharkar M.K.	Nutritional Neuroscience/ISSN: 14768305, 1028415X	2020; https://doi.org/10.1080/1028415X.2018.1521088	3.765	3 & 9	Scopus and Web of Science Indexed
	Sleep, brain vascular health and ageing	Mahalakshmi A.M., Ray B., Tuladhar S., Bhat A., Bishir M., Bolla S.R., Yang J., Essa M.M., Chidambaram S.B., Guillemin G.J., Sakharkar M.K.	GeroScience/ISSN: 2509-2723	2020: https://doi.org/10.1007/s11357-020-00235-8	6.44	3	Scopus and Web of Science Indexed

	Review- on Risk of Genotoxic agents and its effects on Aging, Sterility and Cancer	Rajini Kolure, Nagashree.K.S. , Malaika Solomon , Manjula.S.N.	Journal of Pharmaceutical Sciences and Research ISSN: 0975-1459	2020;12: 1076-1081	--	3	-
	Possible role of tryptophan and melatonin in COVID-19 (letter to editor)	Musthafa Mohamed Essa, Hamdan Hamdan, Saravana Babu Chidambaram, Buthainah Al-Balushi, Gilles J. Guillemin, David M. Ojcius and M. Walid Qoronfleh	International Journal of Tryptophan Research/ISSN: 1178-6469	2020;13: 1-2	5.467	3	Scopus and Web of Science Indexed
	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	-	3 & 9	---
	<u>Biofabrication of gold nanoparticles mediated by the endophytic Cladosporium species: Photodegradation, in vitro anticancer activity and in vivo antitumor studies</u>	Uzma Munawer, Vinay Basavegowda Raghavendra, Sunayana Ningaraju, Kamsagara Linganna Krishna, Abhinav Raj Ghosh, Govindappa Melappa, Arivalagan Pugazhendhi	International Journal of Pharmaceuticals /ISSN: 0378-5173	2020;588: 119729/https://doi.org/10.1016/j.ijpharm.2020.119729	4.485	3 & 9	Scopus and Web of Science Indexed
	Roflumilast, a cAMP-Specific Phosphodiesterase-4 Inhibitor, Reduces Oxidative Stress and Improves Synapse Functions in Human	Abid Bhat, Vanessa Tan, Benjamin Heng, David B. Lovejoy, Meena Kishore Sakharkar, Musthafa	ACS Chemical Neuroscience/ISSN: 1948-7193	2020;11(22): DOI: 10.1021/acscchemneuro.0c00636 R	4.486	3 & 9	Scopus and Web of Science Indexed

Cortical Neurons Exposed to the Excitotoxin Quinolinic Acid	Mohamed Essa, Saravana Babu Chidambaram,* and Gilles J. Guillemin						
Neuroinflammation Mechanisms and Phytotherapeutic Intervention: A Systematic Review(REVIEW)	Navrinder Kaur, Heerak Chugh, Meena K. Sakharkar, Uma Dhawan, Saravana Babu Chidambaram, and Ramesh Chandra*	ACS Chemical Neuroscience/ISSN: 1948-7193	2020;11(22): 3707-3031	4.486	3 & 9	Scopus and Web of Science Indexed	
Cardioprotective potential of polyphenols rich Thraatchathi Chooranam against isoproterenol induced myocardial necrosis in experimental rats	Ramakrishnan Ganapathy, Anita Ramachandran, Sushmitha Basavapattana Shivalingaiah, Muhammed Bishir, Saravanan Bhojaraj, Shivashree Sridhar, Surapaneni Krishna Mohan, Vishnu Priya Veeraraghavan, Saravana Babu Chidambaram, Musthafa Mohamed Essa and M. Walid Qoronfleh	BMC Complementary Medicine and Therapies/ISSN: 2662-7671	2020;20: 356	2.833	3 & 9	Scopus and Web of Science Indexed	
Effects of Sleep Deprivation on the Tryptophan Metabolism(Review)	Abid Bhat, Ananda Staats Pires, Vanessa Tan, Saravana Babu Chidambaram and Gilles J Guillemin	International Journal of Tryptophan Research/ISSN:1178-6469	2020;13: 7-Jan	5.47		Scopus and Web of Science Indexed	
Enhancing Drug Efficacy against Mastitis Pathogens—An In Vitro Pilot Study in Staphylococcus aureus	Karthic Rajamanickam, Jian Yang, Saravana Babu Chidambaram and	Animals/ISSN : 2076-2615	2020;10: 2117	2.323	3 & 9	Scopus and Web of Science Indexed	

	and Staphylococcus epidermidis	Meena Kishore Sakharkar					
	Sleep Deprivation and Neurological Disorders(Review)	Muhammed Bishir, Abid Bhat, Musthafa Mohamed Essa, Okobi Ekpo , Amadi O. Ihunwo, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan, Arehally M. Mahalakshmi, Bipul Ray, Sunanda Tuladhar, Sulie Chang , Saravana Babu Chidambaram, Meena Kishore Sakharkar, Gilles J. Guillemin, M. Walid Qoronfleh, and David J. Ojcius	BioMed Research International /ISSN:2314-6133	2020; 10.1155/2020/5764017	2.27 6	3	Scopus and Web of Science Indexed
Pharmacy Practice							
	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	-	3	Scopus Indexed
	Drug – Drug Interactions Between Newer Anti- Retroviral Drugs And Anti Epileptics- A Review(Review)	Vaishnavi S, Balaji S, Ramesh M, Mothi S N, Swamy V H T, Srirama B R	International Journal of Research in Pharmaceutical Sciences/ISSN: 0975-7538	2020;11(3): 2963-2967	---	3	Scopus Indexed
	Evaluation and reporting of medication	Pooja Sagar, Thara Mariyam Sunny,	International Journal of	2020;12(4): 1235 - 1241	--	3	Scopus Indexed

errors (MEs) in a south indian teaching hospital	Pramod Sam, Alluri Shiva Chaitanya varma, Juny Sebastian , Adepu Ramesh, Justin Kurian	Pharmaceutical Research/ISSN: 0975-2366				
Assessment of antibiotic utilization pattern in hospital settings (Review)	Reshmi Raju, Ann Vazhayil Kuruvilla, Madhan Ramesh	International Journal of Research in Pharmaceutical Sciences/ISSN: 0975-7538	2020;11(3): 2963-2967	-	3	Scopus Indexed
Comparison of health outcomes in diabetic and non-diabetic patients undergoing maintenance hemodialysis	Savitha R.S., Thomas L., Shetty M.S., Kiran K.K.	International Journal of Research in Pharmaceutical Sciences/ISSN: 0975-7538	2020; https://doi.org/10.26452/ijrps.v11i3.2379	-	3	Scopus Indexed
A Cross Sectional Study to Assess the Impact of Knowledge, Attitude and Practice (KAP) of Parents on Immunization Coverage of their Children.	Juny Sebastian, Gurumurthy Parthasarathi, Mandyam Dhathi Ravi	Indian Journal of Public Health Research and Development/ISSN: 0976-5506	2020;11(6): 373-378	-	3	-
Health related quality of life (HRQoL) in hypertensive patients	Mohammed Safeer V.S., Umesh M.	International Journal of Research in Pharmaceutical Sciences/ISSN: 0975-7538	2020; https://doi.org/10.26452/ijrps.v11i3.2379	-	3	Scopus Indexed
Ketorolac induced non allergic angioedema: A case report	Chinju, Mahesh P A, Shilpa Palaksha	International Journal of Research in Pharmaceutical Sciences ISSN: 0975-7538	2020;11(3) 4342-4346	-	3	Scopus, Web of Science, Google Scholar

	Comparison of Health Outcomes in Diabetic and Non-Diabetic Patients Undergoing Maintenance Haemodialysis	Savitha R S, Libina Thomas, Manjunath S Shetty, Kiran K K	International Journal of Research in Pharmaceutical Sciences/ISSN: 0975-7538	2020;11(3): 2932-2941	-	3	Scopus Indexed
	Assessment of pain and quality use of analgesics among inpatients of a cancer hospital	E P Ashique, R S Savitha, M S Vishveshwara	Drug Invention Today/ISSN: 0975-7619	2020;14(7): 1173-1179	--	3	Scopus Indexed
	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	--	3	Scopus Indexed
	A case report on mycophenolate mofetil-induced acute hepatitis in patient diagnosed with autoimmune hemolytic anemia and chronic calcific pancreatitis	Landa Vikash, Hathur Basavana Gowdappa, Siddartha N. Dhurappanavr, Madhan Ramesh*	Drug Invention Today/ISSN: 0975-7619	2020;13(2): 160-162	--	3	Scopus Indexed
	A rare case of Colistin induced maculopapular rash	Mandalapu Laasya, Ann V Kuruvilla	Journal of Infection in Developing Countries/ISSN: 1972-2680	2020;14(8): 929-930	1.35	3	Scopus Indexed
	Assessment of influence of education to parents towards completion of vaccination: A randomised controlled study(Conference proceedings)	Juny Sebastian, Gurumurthy Parthasarathi , M D Ravi	Value in Health Regional Issues/ISSN: 2212-1099	2020;22: S53	5.037	3	Scopus Indexed
	Efficacy, Tolerability And Medication Adherence Of Twice-Daily Dosing Schedule Of Deferasirox In	Juny Sebastian, T Babu, GM Panachiyil, MD Ravi.	Value in Health Regional Issues/ISSN: 2212-1099	2020;22: S47	5.037	3	Scopus Indexed

	Transfusion-Dependent Paediatric Beta-Thalassemia Patients: A Randomized Controlled Study. (Conference proceedings)						
	Virtual Clinical trial: Need in the current Pandemic(Review)	Juny Sebastian, Shilpa Palaksha, Balaji S, Tegginamat Pramod Kumar	International Journal of Pharmaceutical Research/ISSN: 0975-2366	2020;12: 1871 -1876	--	3	Scopus, EMBASE, Google Scholar, UGC List
	Utilization and evaluation of chemotherapeutic agents in management of carcinoma breast(Conference proceedings)	U.R. Rakshith and M.S. Vishveshwara	Pharmacoepidemiology and Drug safety/ISSN: 1099-1557	2020;12(S3): 145	2.918	3 & 9	Scopus, Web of Science, EMBASE, Google Scholar
	Assessment of parents knowledge attitude and practice towards vaccines that are not covered under expanded program on immunization in India (Conference proceedings)	Juny Sebastian, Rechitha Mary Mathews, Haritha Gopal and Ashmy Jose	Pharmacoepidemiology and Drug safety/ISSN: 1099-1557	2020;12(S3): 106	2.918	3 & 9	Scopus, Web of Science, EMBASE, Google Scholar
	Assessment of clinical outcome of twice daily dosing schedule of deferasirox in transfusion dependent paediatric beta thalassemia patients a randomized controlled study. (Conference proceedings)	Juny Sebastian, Tirin Babu, George Mathew Panachiyil and Mandyam Dhathi Ravi	Pharmacoepidemiology and Drug safety/ISSN: 1099-1557	2020;12(S3): 448	2.918	3 & 9	Scopus, Web of Science, EMBASE, Google Scholar
	An overview on obesity: A review(Review)	Chimurkar, R.P., Kumar, J.	International Journal of Research in Pharmaceuti	2020; 11(2), pp. 2247-2255	-	3	Scopus Indexed

			cal Sciences/ISS N:0975-7538				
	<u>Nicolau syndrome: A rare event following intramuscular diclofenac</u> (Case Report)	Almana Rodrigues, Purushotham Sastry, Gurumurthy B, UR Rakshith, Prakash M, Nandish Kumar KC	JK Science/ISSN :0972-1177	2020; 22(2): 101-103	--	3 & 9	Scopus Indexed
	Need of pharmacist on medication management for elderly patients residin in rural area: A review(Review)	<u>Abhishek, S., Jayadevkumar</u>	International Journal of Research in Pharmaceuti cal Sciences/ISS N:0975-7538	2020; 11(2), pp. 2247- 2255	-	3 & 9	Scopus Indexed
	<u>Cosmetovigilance in a tertiary care hospital: A prospective observational study</u> (Review)	<u>Jyrwa, S., Sebastian, J., Shastry, V.</u>	<u>Journal of Cosmetic Dermatology</u> /ISSN: 14732165, 14732130	2020 (Published on Aug 2020) https://doi.org/10.1111/jocd.13646	1.6	3 & 9	Scopus and Web of Science Indexed
	<u>A prospective observational study of hypomagnesemia in critically ill paediatric patients</u>	<u>Chandrashekhar, C., Pillai, R., Vasudev, P.H., Babu, T., Panachiyil, G.M.</u>	Journal of Nepal Paediatric Society/ISSN: 19907974, 19907982	2020; 40(2): 67-71	--	3 & 9	Scopus Indexed
	<u>Study of correlation between epicardial fat thickness and severity of coronary artery disease</u>	Sunil Kumar Shambu Nagaraj Desai Nikhil Sundaresh M. Suresh Babu B.Madhu Oliver Joel Gona	<u>Indian Heart Journal/ISSN:</u> 0019-4832	2020; 72: 445-447	1.2	3 & 9	Scopus and Web of Science Indexed
	Doctor of pharmacy: Boon for health-care system(Review)	Voora, L., Sah, S.K., Bhandari, R.Shastry, C.S., Chand, S.Rawal, K.B. Nanda kumar, U.P. Vinay, B.C.	Drug Invention Today/ISSN: 0975-7619	2020; 14(1):153- 158	--	3	Scopus Indexed
	Knowledge and Beliefs of General Public of	Rahul Krishna Puvvada, Krishna Undela, Shilpa	EAS Journal of Pharmacy and	2020; 2(5):21-27	--	3 & 9	--

	India on COVID-19: A Crosssectional Survey	Palaksha, Balaji Sathyanarayana Gupta	Pharmacology/ISSN: 2663-0990 (Print) & ISSN: 2663-6719 (Online)				
	Frequency and nature of drug-related problems in patients with acute coronary syndrome: role of clinical pharmacist in coronary care practice	Oliver Joel Gona, Sunil Kumar Shambu, Ramesh Madhan	Journal of Pharmacy Practice and Research /ISSN: 2055-2335	2020;50(4); 7-Jan	0.36	3 & 9	Scopus Indexed
	Polypill with or without Aspirin in Persons without Cardiovascular Disease	Ann Vazhayil Kuruvilla, Madhan Ramesh	The New England Journal of medicine/IN: 1533-4406	2020;DOI:10.1056/NEJMo a2028220	74.69	3 & 9	Scopus and Web of Science Indexed
	Development of a tool to assess the safe and quality use of immunization.	Juny Sebastian, Gurumurthy Parthasarathi, Mandyam Dhathi Ravi	International Journal of Pharmaceutical Research/ISSN -0975-2366	2020;13(1): 2354-59		3 & 9	Scopus Indexed
	Establishment and Implementation of Medication Error Reporting in Community Pharmacies in Southern India(Conference proceedings)	Umesh Marappa, U. Reha Mallika	Value in Health ISPOR /ISSN: 1098-3015	2020;23(2): S528	4.748	3 & 9	Scopus and Web of Science Indexed
	Assessment of Prescription Use and Patterns of Drug Related Problems in Patients with Peptic Ulcer Disease in Southern India(Conference proceedings)	U. Marappa, H. Sonali jain	Value in Health ISPOR /ISSN: 1098-3015	2020;23(2): S538	4.748	3 & 9	Scopus and Web of Science Indexed

Assessment of Knowledge, Attitude and Practice (KAP) Towards Medication Use in High School Students(Conference proceedings)	Umesh Marappa, M. Eleena Thomas	Value in Health ISPOR /ISSN: 1098-3015	2020;23(2): S531	4.748	3 & 9	Scopus and Web of Science Indexed
Pharmacognosy						
An updated review : <i>Adhatoda Vasica</i> (Review)	Fathima T , Suresh Joghee, Ann Maria Alex	International Journal of Research in Pharmaceutical Sciences/ISSN: 0975-7538	2020;11(3): 3981-3987	---	3 & 9	Scopus Indexed
Synsepalum dulcificum: A review (Review)	Sadhana H M, Suresh Joghee, Hamsalakshmi	International Journal of Research in Pharmaceutical Sciences/ISSN: 0975-7538	2020;11(3): 4208-4213	---	3 & 9	Scopus Indexed
Economically viable and ecologically sustainable tree of heaven "Simarouba glauca(Review)	Sushma Rudraswamy, HP Jai Shankar, K Mruthunjaya, Mallikarjun Aradhya	Journal of Medicinal Plants Studies/ISSN: 23203862	2020;8(5): 01-04	-	3, 8 & 9	-
<u>Blends of synthetic plastic-derived polypeptide with Hydroxy propyl methylcellulose and polyvinyl alcohol: unraveling the specific interaction parameters, morphology and thermal stability of the polymers couple</u>	<u>Mahesh, B., Kathyayani, D., Channe Gowda, D., Mrutunjaya, K.</u>	<u>Journal of Polymer Research/ISSN: 1022-9760</u>	2020; 27(9): 278	1.530	3 & 9	Scopus, Web of Science
Aphrodisiac activity of nutraceuticals	<u>Gayathri, A.G., Mruthunjaya, K.</u>	International Journal of Research in Pharmaceuti	2020; 11(3): 3878-3888	-	3 & 9	Scopus Indexed

			cal Sciences/ISS N: 0975- 7538				
	<u>Cardioprotective activity of Lawsonia inermis roots against doxorubicin treated mice</u>	<u>Divya, B., Shivashree, S., Mruthunjaya, K., Manjula, S.N.</u>	<u>Research Journal of Pharmacy and Technology/I</u> SSN: 0974-360X (Online) 0974-3618 (Print)	2020; 13(7): 3279-3283	--	3 & 9	Scopus Indexed

Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all.

JSSAHER has various regional and trans-border infrastructure such as CADRAT, TIFAC, DTL, Poison and Drug Information Center, IIC, IIC, etc., to make the college quality, sustainable, support economic development and human well-being, with a focus on affordable and equitable access for all.

CADRAT (Centre for Advanced Drug Research and Testing)

The Center for Advanced Drug Research and Testing (CADRAT), under the aegis of JSS Consultancy Trust, is functioning in the college to make effective use of the expertise and facilities available with the institution to the Government, public and private bodies in pursuit of advancement of pharmaceutical sciences and research.

Approvals:

The CADRAT has been approved by the Drugs Controller General of India, Government of India for carrying out bioavailability and bioequivalence of new drugs. CADRAT is accredited by ISO 9001-2015 for drug product development by TUV-SUD.

CADRAT takes up the contract research services and bioequivalence / bioavailability studies for the benefit of the industrialists, academicians and students.

<https://jssuni.edu.in/JSSWEB/UDHP.aspx?PID=40> CADRAT

TIFAC (Technology Information, Forecasting and Assessment Council)

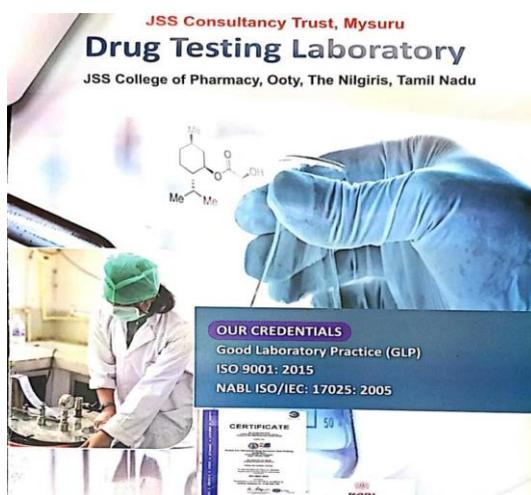
TIFAC CORE- Herbal Drugs

Technology Information, Forecasting and Assessment Council (TIFAC) has been carrying out Mission and Programs under the Technology Vision 2020 projects. One of these missions, code names REACH (Relevance and Excellence in achieving new heights in educational institutions), aims at upgrading select science and engineering college, in the country as “Centres of Relevance and Excellence (CORE)” to broaden the level of education and meet the scientific technological manpower requirements of India in advanced areas promising to show-up on the horizon in the years to come. The Apex Committee appointed by TIFAC selected JSS College of Pharmacy, Ooty, to locate a CORE in Herbal Drugs under the TIFAC, MISSION REACH Projects. The TIFAC CORE in Herbal Drugs has been functioning since January 2001. As per the mandate entrusted to JSS College of Pharmacy, Ooty, by TIFAC, Department of Science and Technology, Govt. of India, the major objective of the TIFAC-Centre of Relevance and Excellence 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.

<https://jssuni.edu.in/JSSWEB/UDHP.aspx?PID=43>

DTL (DRUG TESTING LABORATORY)

The Drug Testing Laboratory (DTL) functioning under the aegis of the department was established in 1994, under the aegis of JSS Consultancy Trust, to utilize the expertise and facilities available in the college to serve Government agencies and Pharmaceutical industries in providing quality pharmaceuticals to the society. The laboratory caters the needs of the public in terms of testing and quality control of drugs and pharmaceuticals as per Pharmacopoeial standards. It is committed to good professional practices and provides analytical results in compliance with Pharmacopoeias for the benefit of the society.



<https://jssuni.edu.in/JSSWeb/UDHP.aspx?PID=339>

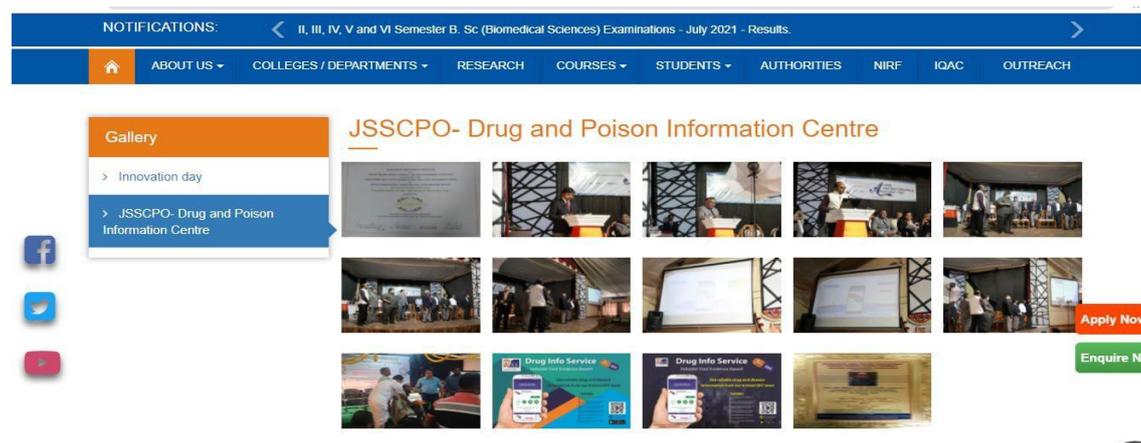
DIC (DRUG AND POISON INFORMATION CENTRE)

The Drug and Poison Information Centre (DIC), located in the Government District Headquarters Hospital, Ooty is established with the blessings of his holiness Swamiji under Department of Pharmacy Practice, JSS COLLEGE OF PHARMACY, Ooty (A Constituent College of JSS Academy of Higher Education and Research, Mysuru). This centre provides consultative services to health care professionals. DIC responds to drug and therapeutics-related information requests from health care professionals practicing throughout India. Additionally, the DIC faculty assist health care workers on formulary matters.

This drug information centre has been established in the Government Headquarters Hospital, Ooty, for easy accessibility of the drug information services by the healthcare professionals and the patients. Unbiased, comprehensive and relevant information regarding the drugs and therapeutics as well as other related healthcare work is provided to the physicians and other health care professionals to support better patient care.

With the development of Android application for DIC the centre has attained new horizons of Drug information services. DIC functions under Head, Department of Pharmacy Practice under the supervision of Principal, JSS College of Pharmacy, Ooty.

Drug and Poison Information Centre



<https://jssuni.edu.in/JSSWeb/WebGallery.aspx?PID=10000&MID=10505&CID=0&GID=158>

INSTITUTION INNOVATION COUNCIL (IIIC)

<https://jssuni.edu.in/JSSWEB/UDHP.aspx?PID=537>

Institution Innovation Council - Activities

The following 3 Faculty members are undergoing Innovation Ambassador training for a period of one month (30 June – 30 July 2021) by Ministry of Education, Govt. of India, Institution's Innovation Council (IIC)

- Dr. Vasanth Raj P, Assistant Professor, Dept. of Pharm. Biotechnology
- Dr. Shanker Kalakotla, Assistant Professor, Dept. of Pharmacognosy
- Dr. Srikanth J, Lecturer, Dept. of Pharm. Chemistry

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, 24th 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. A live webinar on "Prototype / Process Design and Development – A kick start to start-up" on July 03, Saturday, 11 am. Resource person: Mr Thirukkurallani K N, Director – Operations, Tectzo solutions Pvt Ltd, Coimbatore. All the faculty members and scholars have participated in this live interaction

Increase the access of small-scale industrial and other enterprises, in particular in developing countries, to financial services, including affordable credit, and their integration into value chains and markets.

JSS College of pharmacy has promoted inclusive and sustainable industrialization via TIFAC, CADRAT and DTL which significantly raise the industry type of employment and cross domestic product in line with national circumstances.

Product Development and Transfer

- **HAPENZ™**, a polyherbal syrup formulation (natural appetizer) for children was developed and the technology transferred to our industrial partner. The product was commercialized by M/S TABLETS INDIA Ltd., Chennai and it is well received by the market.
- **"NSF-3"**, a polyherbal tablet formulation for sleep was developed and the technology was transferred to our industrial partner, TABLETS INDIA Ltd., Chennai. It has been commercialized.



TIFAC – Product Development

DTL- CONSULTANCY AND EXTENSION SERVICES

The DTL caters the needs of the public in terms of testing and quality control of drugs and pharmaceuticals as per Pharmacopoeial standards. It is committed to good professional practices and provides analytical results in compliance with Pharmacopoeias for the benefit of the society.

APPROVALS & ACCREDITATIONS

- Approved by Tamilnadu State Drug Control Authorities for the testing of pharmaceuticals
- Accredited by NABL (National Accreditation Board for Laboratories; ISO 17025: 2005) for Chemical testing
- Tamilnadu Medical Services Corporation Limited, Chennai
- Kerala Medical Services Corporation Limited, Trivandrum
- Employees State Insurance Corporation, Chennai
- QCS, Mumbai, Tablets India Private Limited, Chennai
- Apex Limited, Chennai,
- Medrich Laboratories, Bangalore
- Eucalyptus oil and cosmetics manufacturers from Tamilnadu and Karnataka.
- Medrich Laboratories, Bangalore

EXTENSION ACTIVITIES

The department also extends its facility to various academic institutions for analysing their samples utilizing the instrumentation facilities available in the department



DRUGS TESTING LABORATORY
(Approval No. 28 in Form 37, Accredited by NABL, New Delhi, Certificate No. TC-7773)
(ISO 9001:2015 Certified)
JSS COLLEGE OF PHARMACY
(ISO 9001:2015 Certified)
JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, MYSURU
(Deemed to be University-Awarded 'A' Grade by NAAC)

CERTIFICATE OF ANALYSIS
Form 39
(The Drugs and Cosmetics Act 1940 & the rules there under)

Ref.: JSSCP/OT/DTL/E-21/014/2021-22 Date: 08.07.2021
 Ar. No. : E-21/014

1. Name of the drug : Eucalyptus Oil
 2. Name and address of supplier : Shri Mahavir Eucalyptus Oil Company, Ootacamund.
 3. Date of receipt of the sample : 06.07.2021
 4. Details of raw material/finished product :
 Control Reference No. : -
 Batch No. : SM-IP-010/999/21-22 Date of Mfg. : 17.06.2021
 Quantity supplied : 100 ml Date of Expiry : 16.06.2026
 Lot : 120 Kgs

RESULT OF ANALYSIS

S. No.	Name of the Test	Result	Standard Limit As per IP
1.	Description *	Pale yellow liquid	Pale yellow liquid
2.	Identification*	Complies	Complies
3.	Test of Phellandrene*	Complies	Complies
6.	Test for Cineole content*	61% w/w	NLT 60% w/w

In the opinion of the undersigned, the sample referred to above is of Standard quality as detailed.

Authorized Signatory : *[Signature]*
 Name : Dr. B. Babu
 Designation : Head

*Non NABL Parameter

Note: 1. Sample not drawn by us.
 2. The result listed refer only to the tested samples and applicable parameters, endorsement of product is neither inferred nor implied.
 3. Samples will be destroyed after 1 month from the date of issue of test certificate unless otherwise specified

PASSED

DRUGS TESTING LABORATORY
 (NABL ACCREDITED)
J.S.S COLLEGE OF PHARMACY
 DHAGAMANDA

Post Box No. 20, "ROCKLANDS", Udhagamandalam - 643 001. The Nilgiris, Tamil Nadu, India.
 Ph: +91-423-2443393, 2443394 Website: www.jsscpcpooty.org
 Fax: +91-423-2442937 E.mail: dtljsscpcpooty@gmail.com

Report of DTL



CADRAT

Infrastructure and retrofit industries to make them sustainable, with Increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities

FUND FOR IMPROVEMENT OF S&T INFRASTRUCTURE IN UNIVERSITIES AND HIGHER EDUCATIONAL INSTITUTIONS (FIST) PROGRAM

Department of Pharmacology, Pharmaceutics, Pharmaceutical Analysis, JSS College of Pharmacy, Ooty received DST-“Fund for Improvement of S&T Infrastructure (FIST)” is intended to provide basic infrastructure and enabling facilities for promoting R&D activities in new and emerging areas and attracting fresh talents in universities & other educational institutions.

Nature of Support: The Scheme will provide optimal infrastructure facilities for post-graduate and higher research, such as, renovation of existing laboratory space (no fresh constructions) and cold room, modernization of laboratories involved in PG and higher research, acquisition of essential equipment, up-gradation of existing facilities, networking & computational facilities including software & databases, scientific & technical books, maintenance & refurbishing of existing and new

facilities etc. The facilities provided under the Program are intended to support the efforts of the Department as a whole or a number of faculty members in the Department. Proposal towards individual R&D support are not accepted under this Scheme. The synergy and focus of research may preferably be aligned to National Missions/ priorities.

DST FIST Sanction Letter – Pharmacology

MODROBS (MODERNISATION AND REMOVAL OF OBSOLESCENCE)

Department of Pharmaceutical Biotechnology, JSS College of Pharmacy, Ooty received the grant under the scheme of modernisation and removal of obsolescence from AICTE.

The scheme aims to modernize and remove obsolescence in the Laboratories / Workshops / Computing facilities (Libraries are excluded), so as to enhance the functional efficiency of Technical Institutions for Teaching, Training and Research purposes.

It also supports new innovations in Class Room and Laboratory / Teaching Technology, development of Lab Instructional Material and appropriate Technology to ensure that the practical work and project work to be carried out by students is contemporary and suited to the needs of the Industry.

The equipment financed under the scheme could be ideally used for up-gradation of equipment in existing laboratories, enhancement of performance parameter specification of existing equipment, incorporation of latest development in the field and replacement of old depreciated equipment by modern equipment. In addition to above major objectives, the equipment installed through MODROBS can be used for indirect benefit to Faculty / Students through Continuing Education programmes, Training programmes for local industry and consultancy work.

Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending

MHRD – IIC - Activities

The screenshot displays the website for the Institution's Innovation Council (IIC) at JSS University. The page is titled 'Activities of Institution's Innovation Council (IIC)'. It features a navigation menu with 'About', 'Members', and 'Activities' (selected). Below the menu, there are four online sessions listed:

- Design thinking and Innovation:** ONLINE SESSIONS by Institutions' Innovation Council MHRD's Innovation Cell. Title: 'How to Identify Right Problem and Solution using the Double Diamond Approach in Design'. Includes 'E-Assessment & Feedback'.
- Entrepreneurship Development:** ONLINE SESSIONS by Institutions' Innovation Council MHRD's Innovation Cell. Title: 'Entrepreneurship, Business Idea and Business Model Canvas'. Includes 'E-Assessment & Feedback'.
- Entrepreneurship Development:** ONLINE SESSIONS by Institutions' Innovation Council MHRD's Innovation Cell. Title: 'Hangout with Successful Startup Founder'. Includes 'E-Assessment & Feedback'.
- I&E Ecosystem:** ONLINE SESSIONS by Institutions' Innovation Council MHRD's Innovation Cell. Title: 'Role of Network Enablers in driving I&E in HEIs'. Includes 'E-Assessment & Feedback'.

<https://jssuni.edu.in/JSSWeb/UDHP.aspx?PID=537>

Support domestic technology development, research and innovation in developing countries, including by ensuring a conducive policy environment for, inter alia, industrial diversification and value addition to commodities

CONSULTANCY PROJECTS

Sl.No.	Title	Industry/Institution	Period	Study Director	Amount (Lakhs)
1	Anti osteo porosis study 28 days repeated dose toxicity	Sanjee Biomedical Research, Centre Chennai	3 Months	Dr Praveen TK	0.83

Pharmaceutical Biotechnology

Sl.No.	Title	Industry/Institution	Period	Study Director
1	Identification, characterization, and safety assessment of Selected bacterial strains for use as probiotics	Tablets India (M/S. Allianz Bioscience PVT LTD)	10 Months	Dr. Rajeshkumar R
2	Internship program	Bannari Amman institute of Technology Sathyamangalam. ErodeDist	2 Months	Dr. Rajeshkumar R
3	Project work	Bharathiar University Coimbatore	2 Months	Dr. Vasanth raj P.

Significantly increase access to information and communications technology and strive to provide universal and affordable access to the Internet in least developed countries by 2020.

Providing online education and webinars, App based activities, Examiners from Foreign University, Drug and Poison information Centre & DLE, Library.

LIBRARY AND INFORMATION CENTRE

Provide reading habit among the students Support teaching, learning & research activities. Provide user friendly atmosphere. Serve as an information resource centre of the college where information will be acquired, analyzed and stored, disseminated and used by all those seeking to learn, discover and create new knowledge.



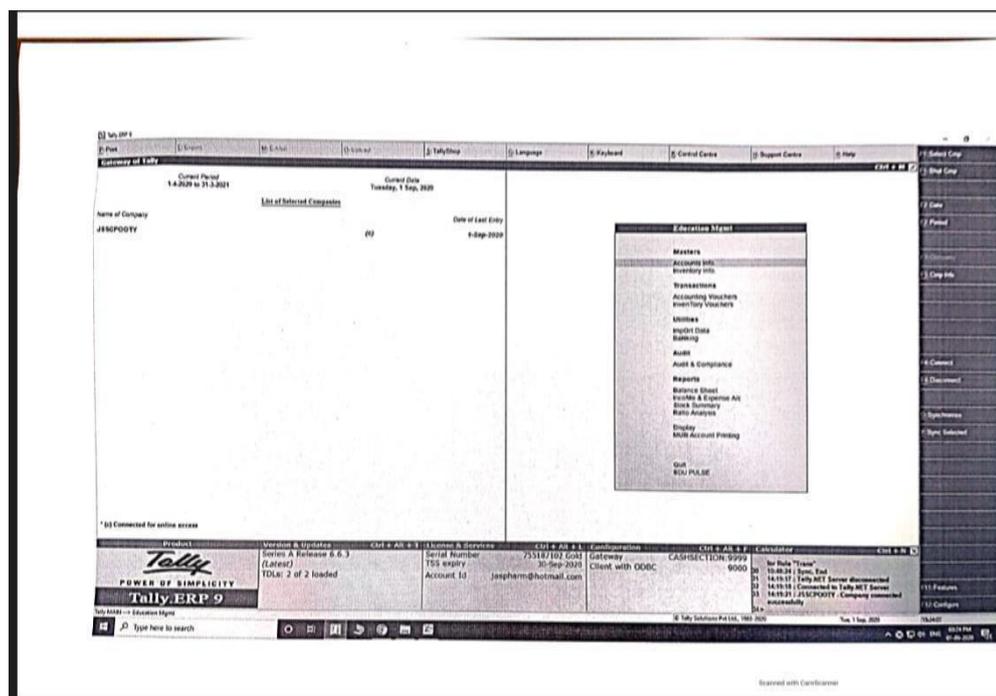
<https://jssuni.edu.in/JSSWeb/UDHP.aspx?PID=378>

Library Usage Statistics (March – July, 2021)

Sl. No	Particulars	UG Students			PG Students	Staff	PhD	Others	Total
		D Pharm	B Pharm	Pharm D					
1	No. of Reference users	245	719	392	237	113	81	11	1798
2	No. of Journal Users	17	51	28	17	8	6	1	128
3	No. of Borrowers	183	538	293	177	85	60	8	1344
4	No. of Internet/Online Users	109	322	175	106	51	36	5	805
Total Number of Users		554	1630	888	538	257	183	24	4075

TALLY PROGRAMME

JSSCPO using the Tally Programme software for maintaining accounts and for performing additional accounting like student's fee collection and other analytical operations helpful in the management of an organization.



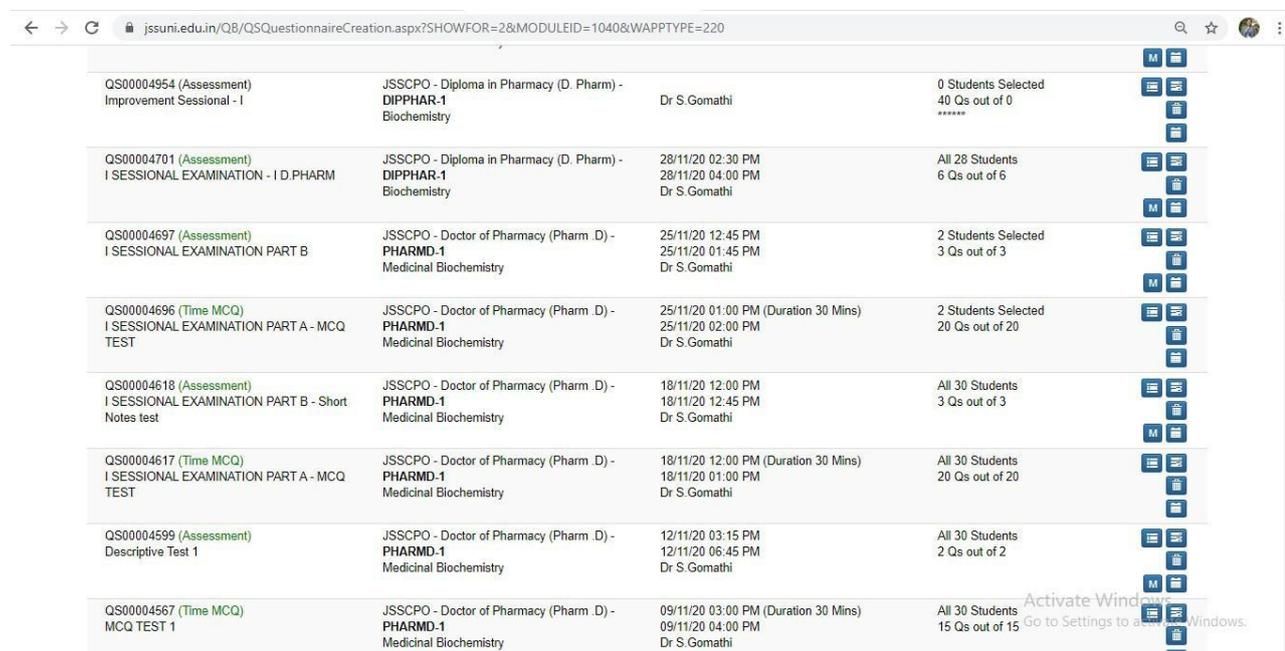
Tally Programme

DIGITAL LEARNING REPORTS

Digital Learning tools and technology allow students to grow effective self-directed learning skills. The students are capable of analyzing what they require to learn to search and use online resources. Digital learning enlarges their efficiency and productivity.

Digital platform of JSS ONLINE SERVICES provide many resources like class notes, video links, study materials and also make available of various reports like assignments, MCQs, Descriptive tests, Sessional Marks, Attendance etc. Staffs can also able to access for leave management, conduct online examinations for students etc. JSSCPO have DIC mobile application and Pharm.D info Digital platform.

Examination Reports



Assessment ID	Assessment Name	Course	Staff	Students Selected	Completion
QS00004954 (Assessment)	Improvement Sessional - I	JSSCPO - Diploma in Pharmacy (D. Pharm) - DIPPHAR-1 Biochemistry	Dr S. Gomathi	0 Students Selected	40 Qs out of 0
QS00004701 (Assessment)	I SESSIONAL EXAMINATION - I D.PHARM	JSSCPO - Diploma in Pharmacy (D. Pharm) - DIPPHAR-1 Biochemistry	28/11/20 02:30 PM 28/11/20 04:00 PM Dr S. Gomathi	All 28 Students	6 Qs out of 6
QS00004697 (Assessment)	I SESSIONAL EXAMINATION PART B	JSSCPO - Doctor of Pharmacy (Pharm. D) - PHARM-D-1 Medicinal Biochemistry	25/11/20 12:45 PM 25/11/20 01:45 PM Dr S. Gomathi	2 Students Selected	3 Qs out of 3
QS00004696 (Time MCQ)	I SESSIONAL EXAMINATION PART A - MCQ TEST	JSSCPO - Doctor of Pharmacy (Pharm. D) - PHARM-D-1 Medicinal Biochemistry	25/11/20 01:00 PM (Duration 30 Mins) 25/11/20 02:00 PM Dr S. Gomathi	2 Students Selected	20 Qs out of 20
QS00004618 (Assessment)	I SESSIONAL EXAMINATION PART B - Short Notes test	JSSCPO - Doctor of Pharmacy (Pharm. D) - PHARM-D-1 Medicinal Biochemistry	18/11/20 12:00 PM 18/11/20 12:45 PM Dr S. Gomathi	All 30 Students	3 Qs out of 3
QS00004617 (Time MCQ)	I SESSIONAL EXAMINATION PART A - MCQ TEST	JSSCPO - Doctor of Pharmacy (Pharm. D) - PHARM-D-1 Medicinal Biochemistry	18/11/20 12:00 PM (Duration 30 Mins) 18/11/20 01:00 PM Dr S. Gomathi	All 30 Students	20 Qs out of 20
QS00004599 (Assessment)	Descriptive Test 1	JSSCPO - Doctor of Pharmacy (Pharm. D) - PHARM-D-1 Medicinal Biochemistry	12/11/20 03:15 PM 12/11/20 06:45 PM Dr S. Gomathi	All 30 Students	2 Qs out of 2
QS00004567 (Time MCQ)	MCQ TEST 1	JSSCPO - Doctor of Pharmacy (Pharm. D) - PHARM-D-1 Medicinal Biochemistry	09/11/20 03:00 PM (Duration 30 Mins) 09/11/20 04:00 PM Dr S. Gomathi	All 30 Students	15 Qs out of 15

Digital Learning Reports

PharmD Info - University Link

<https://www.issuni.edu.in/JSSWeb/UDHP.aspx?PID=90>

DIC Mobile Application

https://play.google.com/store/apps/details?id=com.leopragi.dic&hl=en_US

Assignments Reports – PharmD Info E learn

JSS College of Pharmacy, Ooty

S.No	Subject	Program	Teacher Name	No of Assignments
1.	Hospital and Clinical Pharmacy	II D Pharm	Dr. R Santhosh Kumar	8
2.	Pharmaceutical Jurisprudence	II D Pharm	Dr. R Santhosh Kumar	10
3.	Social and Preventive Pharmacy	I B Pharm	Dr. Ponnu Sankar	3
4.	Pharmacology / Toxicology	II D Pharm	Dr. Anand VijayaKumar	5
5.	Drug Store and Business management	II D Pharm	Dr. Swathi Swaroopa B	7
6.	Pathophysiology	I B.Pharm	Dr. Swathi Swaroopa B	2
7.	Pharmaceutical Chemistry II	II D Pharm	Mr. Srikanth Jupudi	11
8.	Pharmaceutical Organic Chemistry	I B.Pharm	Dr. Gowramma B	1
9.	Pharmacotherapy-II	III PharmD	Dr. G K Sadagoban	1
10.	E Learn Demo Course Work	JSSCPO- Staff	Dr. G K Sadagoban	1
11.	Pharmacoepidemiology/PE	V PharmD	Dr. G K Sadagoban	2
12.	Biostatistics and Research Methodology	IV PharmD	Mr. Jayakumar C	3
13.	Biostatistics and Research Methodology	IV B Pharm	Mr. Jayakumar C	1

Assignment Reports – PharmD Info E Learn

Attendance Sheet

BEST PRACTICES

- **Campus safety against COVID-19** - All the safety measures have been implemented in the campus and hostels as per the standard guidelines issued by JSS MVP, JSS AHER and UGC. Accordingly, in-house guidelines have been prepared, implemented and strictly followed by all.
- **Virtual Teaching-Learning** -We, the teaching, administrative and supporting staff not only committed towards engaging the students and effectively using the technology for the teaching-learning and assessment activities, but also in the accomplishment of the administrative tasks by using various technology platforms (JSSU Online).

TEACHING - LEARNING

Successfully conducted examinations of all programs of Academic year 2020-21 as per the schedule given below:

4 - 10 th March 2021	: I M.Pharm (I Sem)
19 - 30 th April 2021	: II D.Pharm
24 - 26 th May 2021	: II M.Pharm (IV Sem)
6 - 12 th July 2021	: IV B.Pharm (VIII Sem)
5 - 9 th July 2021	: V Pharm.D

Online classes conducted during March to July 2021

Course	No. of classes engaged	Average Percentage of classes engaged against scheduled classes	Average percentage of students attendance
D.Pharm	195	96.75	90.75
M.Pharm	1227	88.41	93
B.Pharm	931	100	92.56
Pharm.D	703	98.31	92.25

INTERNET FACILITIES

Internet facility of JSSCP, Ooty used well for research, curricular, co-curricular and extra-curricular activities by Students and Staff members.

In recognition of the need and importance of internet in the field of education, JSSCP, Ooty campus is a fully WIFI-enabled campus. This facility allows students to access uninterrupted internet connectivity anywhere within the campus Including Boys and Girls Hostel.



Membership: DHSMS is member of Academy of Hospital Administration, New Delhi



The institute has adapted to create a smart infrastructure within the existing facilities thereby reducing loss of power and energy. Though the Department is not directly involved in industrialization, there has been considerable update in curriculum with consultation with industrial partners, which would highly benefit the outgoing students to focus on small-scale industries to begin within the Life Sciences sectors.

The institute has a number of partners both nationally and internationally who constantly provide their suggestions and advices related to industrial experiences, work force required from the

academia, consultancy projects and curriculum updates. To foster innovation the institute has setup an incubation centre to help ideas flourish. Several Angel investors have shown keen interest to invest in some of the projects initiated by students.



A batch of students had produced an eco-friendly sanitary napkin with a concept of packing it in an antimicrobial cover coated with effective naturally existing anti-microbial agents. The products were displayed at the National Science Day 2021 model making competition. The concept was recognized and fetched them the winners of the competition.

Funded Projects to foster innovation

Dr. Asha Srinivasan, Principal Investigator (Academia) has been successful in securing a **DBT - Biotechnology Industry Research Assistance Council (BIRAC- Promoting Academic Conversion to Enterprise)** – Academia-Industry Grant to the tune of 49.22 Lakhs for a period of 18 months.

The project titled “**Development of Novel Silk Fibroin based Bioink for Bioprinting to Reconstruct Maxillofacial Defect**”.

Project outline: The project will be a **pioneering effort** that will amalgamate **regenerative medicine, nanotechnology and 3D bio-printing** to provide an explanation for maxillofacial defects which is the need of the hour lower jaw (especially mandible) which is commonly damaged.

Regenerative medicine is a breakthrough treatment option for an increasing number of clinical conditions. Its goal is not just to replace what is malfunctioning, but to provide the elements required for *in vivo* repair, to devise replacements that seamlessly interact with the living body, and to stimulate the body's intrinsic capacities for regeneration.

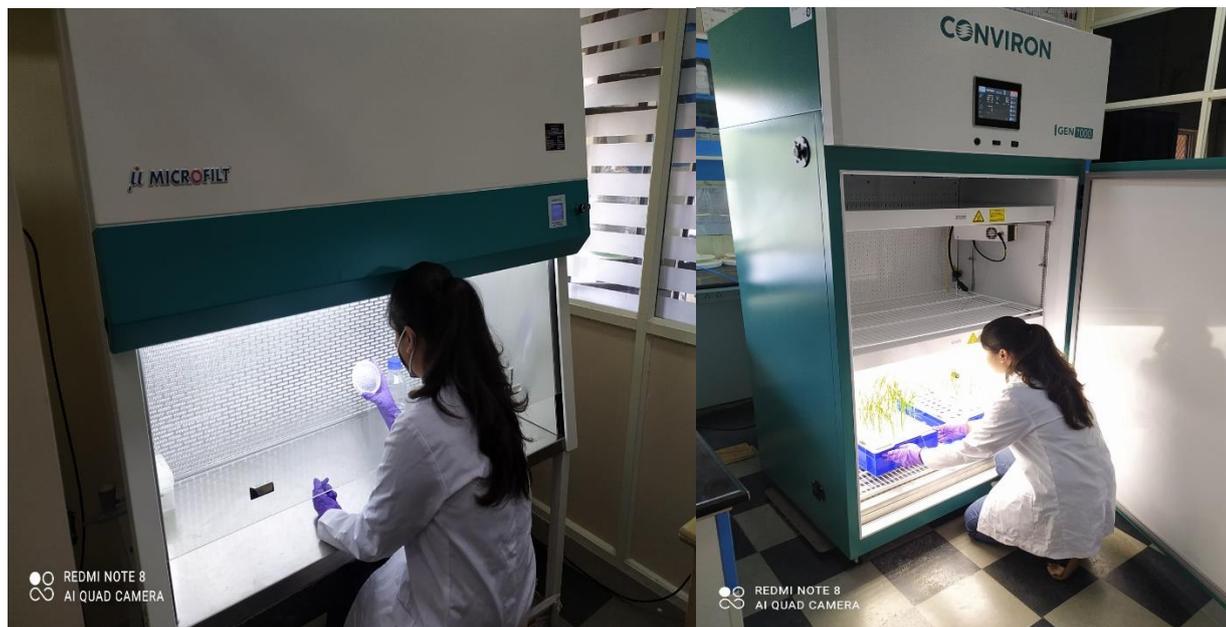
The novelty of this project is the use of natural biomaterials to fabricate a bio-ink to bio-print a 3D jaw bone, that are compatible with human cells. **Human Mesenchymal cells** will be used to address the compatibility of the 3D bio-printed jawbone scaffold. These results from this project will lead to a pre-product development, which will be extended to the next level to the BIRAC CRS scheme. Thus VINDICATING the SUSTANABLE DEVELOPMENT GOAL AT JSS ACADEMY OF HIGHER EDUCATION & RESEARCH. Our plan is to set up 3D printing facility through this project.

Infrastructure created to facilitate education & research



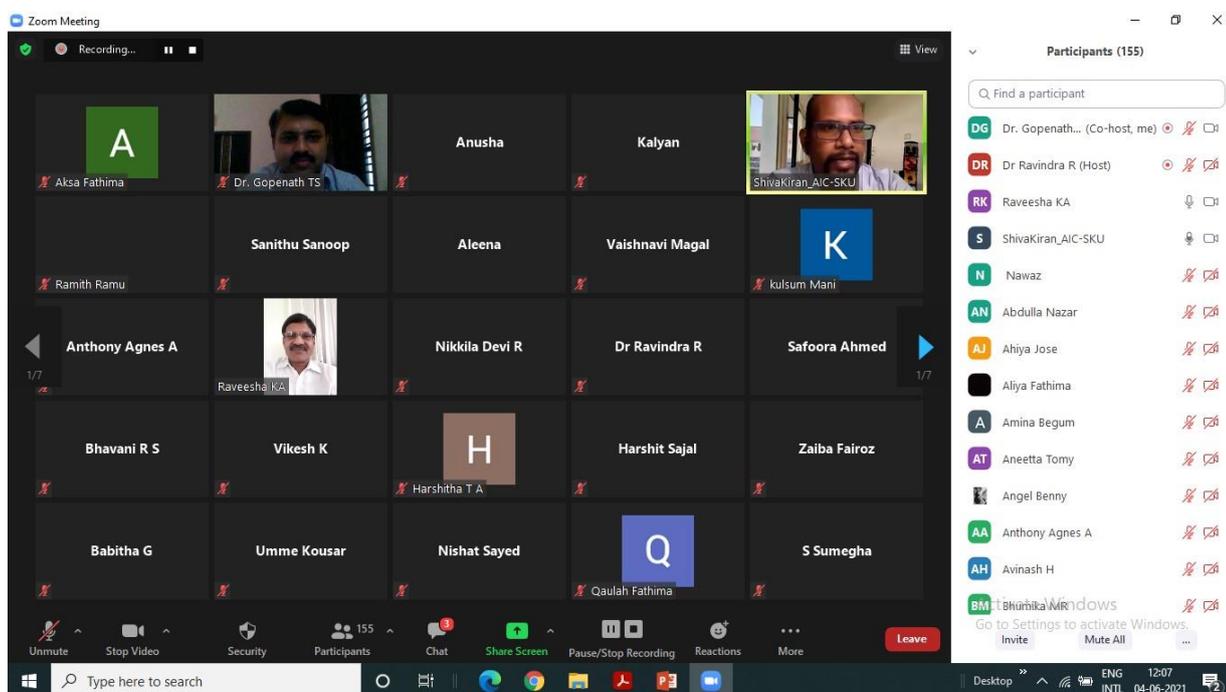
International standard food science lab to foster research and innovation among students. JSS AHER has always been supportive for development of students and faculty by providing the best of kind infrastructure.

Establishment of plant tissue culture facility



A plant growth chamber is established at Faculty of Life Sciences to facilitate research

Lecture Series – Startup Culture in Life Sciences – An Ocean of Opportunities



Dr. Shivakiran, CEO, Atal Incubation Centre, Sri Krishnadevaraya University, Ananthapur was invited to deliver a lecture on Startup ideas among students.

Department of Biotechnology and Bioinformatics
Faculty of Life Sciences
JSS Academy of Higher Education & Research
SS Nagar, Mysuru,
Karnataka - 570015



(DEEMED TO BE UNIVERSITY) M Y S U R U

**Share Your Thoughts - 2021
Lecture Series**
"Startup Culture in Life Sciences- An
Ocean of Opportunities"

Friday, June 04, 2021
11:00 AM to 12:00 PM

Academics/Research/Entrepreneurship



Speaker:
Dr. Shivakiran MS
Chief Executive Officer,
Atal Incubation Centre
Sri Krishnadevaraya
University, Anantapur

Link:
JSS AHER is inviting you to a scheduled Zoom meeting.
Topic: Share Your Thoughts 2021 - Startup Culture in Life
Sciences - An Ocean of Opportunities
Time: Jun 4, 2021 11:00 AM India
Join Zoom Meeting
<https://us02web.zoom.us/j/81924331655?pwd=NONHUUQpLkYAMVlsc2p5eEJlUkZkd0Z0>
Students are requested to login by 10:50 AM

Patrons:



Program Schedule:

- 11:00AM Welcome Address
- 11:05AM Introduction of Speaker
- 11:10AM Sharing of thoughts by Dr. Shivakiran MS
- 12:00PM Vote of Thanks

Outlook Ranked among India's Top 50 Science Colleges in 2020



Department of Biotechnology and Bioinformatics
Faculty of Life Sciences
JSS Academy of Higher Education & Research
SS Nagar, Mysuru,
Karnataka - 570015



(DEEMED TO BE UNIVERSITY) M Y S U R U

**Share Your Thoughts - 2021
Lecture Series**
"Entrepreneurial Opportunities in Biologicals
and Plant Based Products for better
Agriculture"

Friday, June 25, 2021
11:00 AM to 12:00 PM

Academics/Research/Entrepreneurship



Speaker:
Dr. Manjunatha G
Assistant Professor (Senior Grade),
University of Horticultural Sciences,
Bagalkot, Karnataka
Email: gmanjunath2007@gmail.com

Link:
JSS AHER is inviting you to a scheduled Zoom meeting.
Topic: Share Your Thoughts 2021 - Entrepreneurial
Opportunities in Biologicals and Plant Based Products for
better Agriculture
Time: June 25, 2021 11:00 AM India
Join Zoom Meeting
<https://us02web.zoom.us/j/88399193933?pwd=K2NjS0p8N2p5eEJlUkZkd0Z0>
Students are requested to login by 10:50 AM

Patrons:



Program Schedule:

- 11:00AM Welcome Address
- 11:05AM Introduction of Speaker
- 11:10AM Sharing of thoughts by Dr. Manjunatha G
- 12:00PM Vote of Thanks

Outlook Ranked among India's Top 50 Science Colleges in 2020



The Department of Biotechnology & Bioinformatics organized a lecture entitled "Startup Culture in Life Sciences – An ocean of Opportunities" to create awareness about the possibilities of self-employment and entrepreneurship among students. Dr. Manjunatha G, Assistant Professor, University of Horticultural Sciences, Bagalkot delivered a lecture on "Entrepreneurial Opportunities in Biologicals and Plant Based Products for Better Agriculture".



JSS Academy of Higher Education & Research, Mysuru

Innovation Policy

Reference number	Policy06-2017-JSSU
Policy owner	Vice-Chancellor, JSS Academy of Higher Education & Research, Mysuru, Karnataka.
Policy Implementer	Registrar, JSS Academy of Higher Education & Research, Mysuru, Karnataka.
Responsible division	Office of the Registrar, JSS Academy of Higher Education & Research, Mysuru, Karnataka.
Status	Approved
Date of approval	First approved date: 07.12 .2008. Revision approved date: 11.12.2019
Amendments	This policy was reviewed in June 2008 . Implemented in December 2008. Revised in December 2019.
Web address of this policy	http://jssuni.edu.in/JSSWeb/WebShowFromDB.aspx?MID=11006&CID=0&PID=10001
Address on the policy data base	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 7thDecember 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

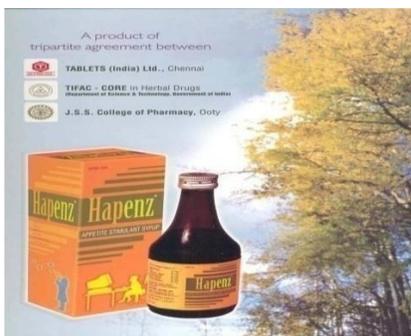
- 1) The office of the Director Research advises colleges and departments and faculties on the protection of intellectual property rights, patents applications and professional indemnity, related to research and innovation activities.
- 2) The office of the Director Research facilitates and evaluates 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.

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

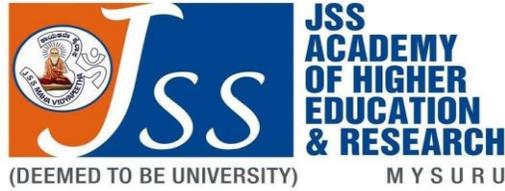
As per the mandate entrusted to us by TIFAC, Department of Science and Technology, Govt. of India, the major objective of the TIFAC CORE in Herbal Drugs is to undertake research programmes for the Indian industries engaged in manufacturing Herbal Drugs/Traditional Medicinal Products in addition to meet 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.