



# COMPENDIUM ON SUSTAINABLE DEVELOPMENT GOALS 2023

## SDG 15: LIFE ON LAND



**Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification and halt and reverse land degradation and halt biodiversity loss**

S.NO	CONTENTS	PAGE NUMBER
1	INTRODUCTION	2
2	CONTRIBUTION AND INITIATIVES OF JSS AHER TOWARDS SUPPORTING SDG 15	3-4
3	JSSAHER'S FOREST CONSERVATION: SUSTAINING BIODIVERSITY	5-8
4	ANIMAL ADOPTION BY NATURE CLUB	9-13
5	PLANTS AND SAPLINGS ADOPTION	14-18
6	EXPLORING NATURE'S CLASSROOM: JSSAHER'S NATURE CAMP FOR STUDENTS	19-29
7	JSS AHER'S AVIAN SANCTUARY - WHERE LEARNING MEETS BIODIVERSITY	30-32
8	COLLABORATION WITH LOCAL COMMUNITIES	33-34
9	CULTIVATION OF MEDICINAL PLANTS	35-37
10	SUSTAINABLE WATER EXTRACTION TECHNOLOGY	38-40
11	SAFE DRINKING WATER SUPPLY SYSTEM	41-47
12	GREEN CAMPUS INITIATIVES - WATER DISCHARGES TO UPHOLD WATER QUALITY TO PROTECT ECOSYSTEMS, WILDLIFE GARDEN IN CAMPUS MEDICINAL PLANTS AND TREES IN CAMPUS TREES AND TEAK FOREST IN CAMPUS ENDANGERED SPECIES IN CAMPUS WASTE MANAGEMENT	48-69
13	POLICIES RELATED TO SDG 15	70-77
14	RESEARCH PROJECTS SUPPORTING SDG 15	78-79
15	PUBLICATIONS RELATING TO SDG 15	80-84
<b>16.ANNEXURES</b>		85-114
A	GARDEN MAINTENANCE AGREEMENT	
B	PURE DRINKING WATER- RO WATER INSTALLATION AGREEMENT	
C	DRINKING WATER USAGE DETAILS	
D	CERTIFICATE FROM FOOD SAFETY AND SECURITY AUTHORITY OF INDIA	
	SUMMARY	115-116

## **I. INTRODUCTION**

JSSAHER is actively aligned with the objectives outlined in Sustainable Development Goal 15 (SDG 15), which is dedicated to protecting, restoring, and promoting the sustainable use of terrestrial ecosystems and forests, combatting desertification, halting land degradation, and reversing biodiversity loss. The activities and initiatives of JSSAHER are strongly connected to the targets and means of achieving the SDG 15. Here's how JSSAHER contributes to these objectives:

1. **Conserve and Restore Terrestrial and Freshwater Ecosystems:** JSSAHER's commitment to maintaining a green and biodiverse campus, including its herbal garden and teak tree forests, aligns with the goal of conserving and restoring terrestrial ecosystems.
2. **End Deforestation and Restore Degraded Forests:** JSSAHER's efforts to protect and preserve teak forests within its campus contribute to ending deforestation and restoring degraded forests.
3. **End Desertification and Restore Degraded Land:** JSSAHER is dedicated to promoting conservation and sustainable utilization of the land, including forests and wild land, which supports the goal of ending desertification and restoring degraded land.
4. **Protect Biodiversity and Natural Habitats:** The campus's greenery provides a vital habitat for numerous species, promoting biodiversity and supporting natural habitats.
5. **Integrate Ecosystem and Biodiversity in Governmental Planning:** JSSAHER's holistic approach to conservation and sustainability is interconnected with agriculture, forestry, and other sectors. This integrated approach aligns with the goal of incorporating ecosystem and biodiversity considerations into governmental planning.
6. **Increasing Financial Resources for Conservation:** JSSAHER's initiatives and activities, such as rainwater harvesting and waste management, demonstrate the university's commitment to mobilizing and increasing financial resources for conservation and sustainability.
7. **Combating Global Poaching and Trafficking:** JSSAHER actively participates in initiatives that promote the protection of endangered species, such as the "Tree Plantation Program" and "Tea Promotion Campaign."
8. **Restoring Degraded Land and Soil:** JSSAHER's efforts in maintaining green landscapes and promoting reforestation contribute to the goal of restoring degraded land and soil.

By aligning its activities with the objectives of SDG 15, JSSAHER plays a vital role in protecting, restoring, and promoting sustainable land use and biodiversity. Through these efforts, JSSAHER ensures that the benefits of land-based ecosystems, including sustainable livelihoods, are enjoyed by present and future generations. This commitment to sustainable land management greatly supports climate change mitigation and adaptation efforts and contributes to building a more sustainable society.

## **2.CONTRIBUTION AND INITIATIVES OF JSS AHER TOWARDS SUPPORTING SDG 15**

**JSS Academy of Higher Education & Research (JSSAHER) promoting conservation and sustainable utilization of the land, including forests and wild land by organize events and awareness programs.**

JSS Academy of Higher Education & Research (JSSAHER) actively engages in research, awareness programs, and conservation efforts to protect the rich biodiversity found in its region. This includes studies on indigenous plant and animal species and the creation of sanctuaries for endangered wildlife. It promote sustainable forestry practices and afforestation programs, as forests are vital in sequestering carbon and also conduct research on climate-resilient agricultural practices that help mitigate climate change, collaborate with indigenous communities to document and preserve their traditional knowledge about sustainable land use.

JSSAHER engages in international partnerships, sharing research findings, best practices, and technologies for sustainable land management. This cooperation amplifies their impact and offer courses and training programs related to sustainable agriculture, forestry, and ecotourism, fostering economic growth in the region and creating jobs. The research and outreach programs emphasize the importance of maintaining healthy ecosystems for disaster resilience and collaborate with local communities to implement practices that reduce vulnerability to natural disasters.

By actively promoting awareness about SDG 15 and the importance of preserving "Life on Land," JSS Academy of Higher Education & Research instills a sense of ethical responsibility in its students, faculty, and the broader community. JSS Academy of Higher Education & Research (JSSAHER) plays a pivotal role in connecting its activities with the objectives of SDG 15, "Life on Land." Here's how their initiatives align with the goals of preserving and sustainably utilizing terrestrial ecosystems and biodiversity:

### **1. Biodiversity Conservation:**

JSSAHER actively engages in research, awareness programs, and conservation efforts to protect the rich biodiversity found in its region. This includes studies on indigenous plant and animal species and creating sanctuaries for endangered wildlife.

### **2. Ecosystem Services:**

By conducting research and education programs related to ecosystem services, JSSAHER contributes to the understanding of the critical role that terrestrial ecosystems play in sustaining life. This leads to better land management practices and policies.

### **3. Climate Change Mitigation:**

JSSAHER promotes sustainable forestry practices and afforestation programs, as forests are vital in sequestering carbon. JSSAHER also conduct research on climate-resilient agricultural practices that help mitigate climate change.



4. **Preventing Desertification:**

Research on land degradation and drought prevention, along with community-based initiatives, are integral to addressing desertification in the region. This involves land restoration and sustainable land use practices.

5. **Indigenous Knowledge Preservation:**

JSSAHER collaborates with indigenous communities to document and preserve the traditional knowledge about sustainable land use. This is a way to respect their rights and contribute to preserving biodiversity.

6. **Global Partnerships:**

JSSAHER engages in international partnerships, sharing research findings, best practices, and technologies for sustainable land management. This cooperation amplifies the impact.

7. **Economic Growth and Jobs:**

JSSAHER offers courses and training programs related to sustainable agriculture, forestry, and ecotourism, fostering economic growth in the region and creating jobs.

8. **Disaster Resilience:**

JSSAHER's research and outreach programs emphasize the importance of maintaining healthy ecosystems for disaster resilience and collaborate with local communities to implement practices that reduce vulnerability to natural disasters.

9. **Ethical Responsibility:**

By actively promoting awareness about SDG 15 and the importance of preserving "Life on Land," JSSAHER instills a sense of ethical responsibility in its students, faculty, and the broader community.

Incorporating these initiatives into their academic and outreach programs, JSS Academy of Higher Education & Research not only supports SDG 15 but also contributes to the overall sustainable development agenda. The activities serve as a model for other educational institutions and organizations, showcasing how a commitment to preserving and sustainably utilizing terrestrial ecosystems benefits both the environment and society.

## **BIODIVERSITY CONSERVATION:**

### **3. JSSAHER'S FOREST CONSERVATION: SUSTAINING BIODIVERSITY**

Teak, renowned for its high-value timber, has long been coveted for its exceptional wood quality and adaptability. However, this desirability has placed immense pressure on teak tree forests, resulting in overexploitation and the conversion of these valuable natural ecosystems into agricultural land. In the face of these challenges, JSS Academy of Higher Education and Research (JSSAHER) has taken a commendable stance by protecting and preserving a teak tree forest within its campus in Mysore. This conservation initiative represents a testament to JSSAHER's dedication to environmental stewardship and sustainability, and it serves as a pivotal component of the institution's broader strategy for preserving biodiversity.

The significance of conserving teak tree forests extends beyond the quest for valuable timber. These forests are, in essence, complex ecosystems that contribute significantly to the ecological balance. By safeguarding the teak tree forest on its campus, JSSAHER actively contributes to the broader goal of maintaining biodiversity and ensuring the survival of the countless species that call these forests home.

This initiative emphasizes the institution's commitment to fulfilling Sustainable Development Goal 15, which centers on protecting, restoring, and promoting the sustainable use of terrestrial ecosystems. The preservation of the teak tree forest is an integral part of JSSAHER's broader strategy to achieve this goal, and it aligns with global efforts to ensure the future of life on land.

Furthermore, JSSAHER's proactive stance on the preservation of teak tree forests aligns with the institution's broader commitment to supporting and organizing events aimed at promoting conservation and sustainable utilization of the land, including forests and wild land. This commitment extends the impact beyond the boundaries of the campus, serving as an inspiring model for others to follow.

The importance of this teak tree forest goes well beyond the preservation of a stand of trees; it is about the survival of an intricate web of life that is dependent on this ecosystem. Teak forests offer essential habitats and sustenance for a wide range of wildlife, from birds and insects to larger mammals. By protecting this ecosystem, JSSAHER is indirectly safeguarding life on land, as these teak forests are integral components of the broader landscape.

In essence, JSSAHER's commitment to preserving its teak tree forest serves as a model for responsible land management and ecological preservation. It reflects the institution's unwavering dedication to sustainability, biodiversity, and ethical land use practices. In the face of the global challenges faced by teak forests, JSSAHER stands as a beacon of hope, showcasing how educational institutions can take meaningful steps to protect the natural world and ensure a future where life on land continues to flourish. Through this endeavor, the institution sends a powerful message that the preservation of our natural heritage is an essential responsibility and that safeguarding these ecosystems is crucial for the well-being of our planet and future generations.

## TEAK TREE FOREST WITH IN JSSAHER CAMPUS

HOME FOR THOUSANDS OF SPECIES







**TEAK TREE FOREST WITH IN JSSAHER CAMPUS**





## **THE CONSERVATION TREE PLANTING PROGRAM AT JSSAHER**

The conservation tree planting program of JSSAHER , distributing trees and shrub seedlings every a year to student volunteers to plant them in the biosphere of NSS and outreach activities. This group works to plant trees and conserve forests across the Mysore and Nilgiris District.

Tree plantation is one of the major activities along with vermicomposting and development of sustainable technology for water treatment and wastewater reclamation technology that using natural sunlight as an alternative driving energy are the main activities at JSSAHER to support life on land.

Small shrubs are planted in the garden in the campus to hold back the garden side yard, which hold back water and sand. Thus, avoiding soil erosion and water logging preventing the loss of trees and plant during monsoon rainy season. The campus gives high priorities for repairing storm damaged trees and immediate replacement of fallen trees.





## 4.ANIMAL ADOPTION BY NATURE CLUB

Mysore, also known as Mysuru, located in southern India, has earned a well-deserved reputation as the 'Heritage City,' attracting tourists from across the globe. One of its most cherished attractions is the Mysuru Zoo, an institution with a remarkable history dating back over a century, having been established in the year 1892. This zoo has gained international recognition for its commitment to the preservation of biodiversity, boasting an impressive collection of over 151 species of animals.

Beyond its role as a tourist hotspot, the Mysuru Zoo serves a noble purpose: to provide conservation education to the public, fostering a sense of empathy for wildlife and promoting understanding of the veterinary aspects of animal care. One of its significant contributions to wildlife conservation lies in its active involvement in captive breeding programs for endangered species and various other conservation projects.

The Mysuru Zoo's operations, including the maintenance of food, shelter, health, and other essential facilities for its diverse animal inhabitants, are predominantly funded by the revenue generated through tourist entrance fees and the animal adoption fund generously contributed by the public. This financial support lessens the burden on the zoo's maintenance, ensuring that the welfare of its residents is upheld.

Recognizing the importance of supporting such a vital institution for the cause of wildlife conservation and acknowledging its significance in promoting responsible tourism and education, JSS Academy of Higher Education & Research (JSS AHER) decided to step up and exhibit its social responsibility. This was achieved by adopting one or more animals in the zoo, depending on the kind donations from the family members of JSS AHER.

This initiative, fueled by a noble cause, received widespread support from the dedicated staff of the JSS AHER Family, working together under the banner of the **Nature Club JSS AHER**. As a result, they proudly adopted two animals for a period of one year and ten months, demonstrating their unwavering commitment to the conservation of these magnificent creatures and the preservation of the world's precious biodiversity. This act of social responsibility not only contributes to the sustainability of the Mysuru Zoo but also sets an example for other institutions to follow, showcasing the profound impact of collective efforts in preserving our natural heritage.

Adoption details are as follows:

Category	Animal Name	Period	Amount of Contribution (in Rs.)
A	Asiatic Lion	09.09.2023 – 08.09.2024	2,00,000.00
A	Zebra	13.10.2023 – 12.10.2024	62,451.00
<b>Total Amount</b>			<b>2,62,451.00</b>



SRI CHAMARAJENDRA ZOOLOGICAL GARDENS



# CERTIFICATE

*This is to certify that Sri/ Smt. J.S.S. A.H.E.R. Nature Club, Mysore, has adopted..... Zebra..... of this Zoo, for a period of..... Ten Month..... year/s from ..13-10-2023...to ..18-10-2024..*

*Mysore Zoo is thankful for the contribution made towards the noble cause and involvement in conservation efforts.*



Executive Director,  
Sri Chamarajendra Zoological Gardens, Mysuru.

Date: Place: Mysuru



SRI CHAMARAJENDRA ZOOLOGICAL GARDENS



# CERTIFICATE

*This is to certify that Sri/ Smt. J.S.S. A.H.E.R. Nature Club, Mysore, has adopted..... Len..... of this Zoo, for a period of..... One..... year/s from ...9-9-2023...to ...8-9-2024.....*

*Mysore Zoo is thankful for the contribution made towards the noble cause and involvement in conservation efforts.*



Executive Director,  
Sri Chamarajendra Zoological Gardens, Mysuru.

Date: Place: Mysuru



No.MZA/CR/ADOP/2023-24 /515

Date: 8/9/2023

To,  
JSS A.H.E.R Nature Club  
Mysuru  
Ph 9480030005  
registrar@jssuni.edu.in

Dear Sir/ Madam,

Sub: Adoption of animal under Animal Adoption Scheme of Mysuru Zoo- Reg.

☆☆☆☆☆☆

We are highly thankful to you on behalf of Mysuru Zoo for adopting the "Lion" for a period of one year from 9/9/2023 to 8/9/2024 by making payment of Rs.1,00,000/- (Rupees One Lakh only). We promise you that, the money donated would be used in the most transparent manner for the noble cause of environmental conservation with emphasis to display the fauna and flora in most naturalistic condition.

We also welcome your suggestions or any ideas that would further strengthen the cause of environmental protection. Your concern about the zoo animals is very much appreciated. The complimentary adoption certificate is enclosed herewith.

Thanking you once again and requesting your continued patronage and contribution towards this noble scheme, which inspires others.

Yours faithfully,

Executive Director,  
Sri Chamarajendra Zoological  
Gardens, Mysuru

Encl: Adontion Certificate + Receipt+Pass.





No.MZA/CR/ADOP/2023-24 / 514

Date: 8/9/2023

To,  
JSS University,  
Mysuru  
Staff Contribution  
Ph 9480030005  
registrar@jssuni.edu.in

Dear Sir/ Madam,

Sub: Adoption of animal under Animal Adoption Scheme of Mysuru Zoo- Reg.

☆☆☆☆☆☆

We are highly thankful to you on behalf of Mysuru Zoo for adopting the "Lion" for a period of one year from 9/9/2023 to 8/9/2024 by making payment of Rs.1,00,000/- (Rupees One Lakh only). We promise you that, the money donated would be used in the most transparent manner for the noble cause of environmental conservation with emphasis to display the fauna and flora in most naturalistic condition.

We also welcome your suggestions or any ideas that would further strengthen the cause of environmental protection. Your concern about the zoo animals is very much appreciated. The complimentary adoption certificate is enclosed herewith.

Thanking you once again and requesting your continued patronage and contribution towards this noble scheme, which inspires others.

Yours faithfully,  
  
Executive Director,



No.MZA/CR/ADOP/2023-24

Date: 18/10/2023

To,  
JSS A.H.E.R Nature Club  
Mysuru  
Ph 9480030005  
registrar@jssuni.edu.in

Dear Sir/ Madam,

Sub: Adoption of animal under Animal Adoption Scheme of Mysuru Zoo- Reg.

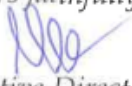
☆☆☆☆☆☆

We are highly thankful to you on behalf of Mysuru Zoo for adopting the "Zebra" for a period of Ten Months from 13/10/2023 to 12/8/2024 by making payment of Rs.62,450/- (Rupees Sixty Two Thousand Four Hundred and Fifty only). We promise you that, the money donated would be used in the most transparent manner for the noble cause of environmental conservation with emphasis to display the fauna and flora in most naturalistic condition.

We also welcome your suggestions or any ideas that would further strengthen the cause of environmental protection. Your concern about the zoo animals is very much appreciated. The complimentary adoption certificate is enclosed herewith.

Thanking you once again and requesting your continued patronage and contribution towards this noble scheme, which inspires others.

Yours faithfully,

  
Executive Director,  
Sri Chamarajendra Zoological  
Gardens, Mysuru

Encl: Adoption Certificate + Receipt+Pass.

## **5. SAPLING OF PLANTS ADOPTION**

### [Sapling Plants and its Adoption 2022 - YouTube](#)

The "Sapling of Plants Adoption" initiative is a remarkable endeavor aimed at promoting the conservation and sustainable utilization of our precious land, encompassing not only our vital forests but also the wild, untouched landscapes that play an integral role in maintaining ecological balance. This is achieved through a multifaceted approach that includes organizing impactful events and awareness programs designed to inspire a deep-seated love for our environment and a sense of shared responsibility for its well-being.

The year 2022 marked a momentous occasion as this noble initiative was carried out in commemoration of the 107th Jayanthi Mahotsava, a celebration that pays tribute to the founders of this visionary effort. The core of this initiative lies in the adoption of sapling plants, a symbol of life and the promise of a sustainable future. By nurturing these saplings, we sow the seeds of change, ushering in a greener and more ecologically balanced world.

The significance of "Sapling of Plants Adoption" extends beyond the act of planting itself. It serves as a powerful educational tool, enlightening individuals about the pivotal role of plant life in our ecosystem. Through events and awareness programs, participants are not only encouraged to plant saplings but also to understand the science and ethics of caring for these young plants. This educational component is fundamental in fostering a sense of ownership and responsibility for the environment.

The global reach and impact of this initiative are exemplified by its presence on platforms like YouTube, where the story of Sapling Plants and its Adoption in 2022 is shared with a wider audience. By utilizing technology and social media, this noble cause gains further momentum, inspiring more individuals to join the movement and become stewards of our land and its precious natural resources.

The "**Sapling of Plants Adoption**" initiative is not just about planting trees; it is a testament to our commitment to safeguard the environment, preserve our forests, and protect the wild lands that are the cornerstone of biodiversity. It is a celebration of the founders' vision, and a dedication to the values they instilled, which continue to inspire generations to actively participate in the conservation and sustainable utilization of our land.

**Sapling of Plants Adoption 2022 in commemoration of Celebration of 107<sup>th</sup> Jayanthi Mahothsava - Founders Day**

<b>Pit No.</b>	<b>Name</b>	<b>Plant Name</b>	<b>JS ID No.</b>	<b>Location</b>
1	Mr.Umashankar	Mahogany	JS140010	G
2	Mr.Umashankar	Mahogany	JS140011	G
3	Mr.Basavaraju	Mahogany	JS150023	G
4	Ms.Rashmi A B	Mahogany	JS190122	G
5	Mr.Shivashankara K.N	Mahogany	JS220094	G
6	Dr.B Manjunatha	Neem	JS950001	G
7	Mr.Sathish	Neem	JS100005	G
8	Mrs.Shilpa P	Neem	JS180093	G
9	Dr.Pankaja S S	Neem	JS170046	G
10	Dr.Shalini N	Neem	JS150050	G
11	Dr.Amoghashree	Indian Blackberry	JS190146	G
12	Mrs.Annaram Ravali	Indian Blackberry	JS22010	G
13	Dr.Praveen Kulkarni	Indian Blackberry	JS120010	G
14	Dr.Mahima V Guledgud	Mahogany	JS970019	F
15	Dr.Archana S	Mahogany	JS140054	F
16	Dr.Nitin V Muralidhar	Indian Blackberry	JS040053	F
17	Dr.Shivaprakash S	Indian Blackberry	JS140015	F
18	Dr.Tejashree A	Indian Blackberry	JS970003	F
19	Mrs.Kathyayini K	Indian Blackberry	JS080006	F
20	Mr.Mahesha Y M	Indian Blackberry	JS170080	F
21	Mrs.Shilpa P	Indian Blackberry	JS180093	F
22	Mr.Umashankar	Indian Blackberry	JS140010	F
23	Dr.HK Mamatha	Indian Blackberry	JS100007	F
24	Mrs.Kokila MS	Indian Blackberry	JS040007	F
25	Mrs.D Savitha	Queen Flower	JS090005	F
26	Dr.Anil S Bilimale	Queen Flower	JS180057	F

27	Dr.Ranjith Raj	Queen Flower	JS210035	F
28	Dr.Dhakshaini M R	Queen Flower	JS060020	F
29	Dr.Jayanthi MK	Mahogany	JS920002	D
30	Mrs.Vidya CS	Mahogany	JS030006	D
31	Dr.Raghu Ram Achar	Mahogany	JS150009	D
32	Dr.Pushpa.V.H	Mahogany	JS000003	D
33	Dr.Chandan S	Mahogany	JS130002	D
34	Dr.Prashanth Sadashivamurthy	Mahogany	JS070033	D
35	Mrs.Ramya S	Mahogany	JS130010	D
36	Dr.Chandrashekar BR	Mahogany	JS140066	D
37	Dr.R Ravindra	Mahogany	JS150005	D
38	Mr.Madanakumar. K	Mahogany	JS100011	D
39	Dr.Vishal Kumar Gupta	Mahogany	JS040001	D
40	Mr.Dhananjaya AN	Mahogany	JS150006	D
41	Mr.H K Puttaraju	Mahogany	JS890009	D
42	Mr.Swamy N	Mahogany	JS110007	D
43	Dr.Madhu	Mahogany	JS090017	D
44	Mrs.Sowbhagya HM	Mahogany	JS030009	D
45	Mrs.Nagma	Indian Almond	JS210028	E
46	Dr.Renuka M	Neem	JS990002	E
47	Dr.Renuka M	Neem	JS990002	E
48	Dr.Renuka M	Neem	JS990002	E
49	Dr.Manu G	Gooseberry	JS210029	E
50	Dr.Renuka M	Gooseberry	JS990002	E
51	Dr.Anushree S M	Indian Blackberry	JS160081	C
52	Mr.Ravindra S	Indian Blackberry	JS170113	C
53	Mr.Subba Rao Madhunapantula	Indian Blackberry	JS110026	C
54	Dr.Hemamalini	Queen Flower	JS080010	C
55	Dr.Uma Shivanal	Queen Flower	JS210017	C
56	Dr. Vinutha S P	Queen Flower	JS140021	C
57	Dr.M N Suma	Indian Blackberry	JS900005	C
58	Dr.M N Suma	Cannon Ball Tree	JS900005	C
59	Dr.Santhosh Kumar M	Mahogany	JS110018	A

60	Dr.S.R.Satish Chandra	Jackfruit	JS010006	C
1	Dr.Sunil Kumar D	Jackfruit	JS110015	C
62	Dr. Hathur Basavanagowdappa	Night Jasmine	JS870016	C
63	Dr. Raveesha KA	Temple Tree	JS190003	C
64	Mr.C Hiremat FO	Temple Tree	JS110010	C
65	Dr.Pushpalatha K	Night Jasmine	JS030004	C
66	Mrs.Akshay H M	Bottle Brush	JS140023	D
67	Mr.Darshan S M	Bottle Brush	JS190140	D
68	Dr.Kanakavalli Kundury	Jackfruit	JS150052	A
69	Mrs.Pooja H M	Jackfruit	JS130013	A
70	Dr.Kalabharathi.H.L	Champa Tree	JS970004	A
71	Dr.Akila Prashant	Trumpet Tree	JS070010	E
72	Dr. Ashwini P	Trumpet Tree	JS130003	E
73	Mr.Malleshkumar	Trumpet Tree	JS200014	E
74	Mr.Shivakumar M	Trumpet Tree	JS170078	E
75	Dr.Gurumahesh G	Trumpet Tree	JS080026	E
76	Mr.Prashanth M K	Bilwa Pathre	JS060017	E
77	Dr.Saravana Babu Chidambaram	Indian Almond	JS160014	E
78	Mr.Shivamanju G	Indian Blackberry	JS220118	E
79	Mr.Sunil Kumar M S	Indian Almond	JS140011	E
80	Dr.Sarika.M. Shetty	Bottle Brush	JS110031	D
81	Mr.K N Subash	Temple Tree	JS220445	D
82	Mrs.T T Nagaratna	Night Jasmine	JS140005	D
83	Dr.Manjunath S Shetty	Night Jasmine	JS010005	D
84	Dr.R Vadivelan	Temple Tree	JS060005	D
85	Dr.Raman Sureshkumar	Sandalwood	JS060006	A
86	Dr.Mythily M R	Mahogany	JS210111	F
87	Dr.Nayanabai Shabadi	Mahogany	JS160059	F
88	Dr.Shweta N Kurkuri	Mahogany	JS220004	F
89	Dr.Shwethashree M	Mahogany	JS160071	F
90	Dr Manjunath V	Mahogany	JS110011	F
91	Mr.Shylesh Kumar	Mahogany	180066	F
92	Dr.Kathyayani C P	Mahogany	JS930011	F

93	Dr.Kavya G Upadhya	Mahogany	JS210106	F
94	Dr.Pramod Kumar	Mahogany	JS970001	F
95	Dr.Gurubasavaraj V Pujar	Gooseberry	JS980001	F
96	Dr.B M Gurupadayya	Gooseberry	JS070001	F
97	Dr.Divya Rao	Mahogany	JS130028	F
98	Mr.Anil Kumar K M	Gooseberry	JS190101	H
99	Dr. D Guru Kumar	Bilwa Pathre	JS210120	E
100	Mr.Sureshmurthy P	Mahogany	JS900006	H
101	Mr.Subbappa P	Neem	JS900011	H
102	Mr.Veerabadrswamy	Mahogany	JS850016	H
103	Dr.Amina Kulsum	Sandalwood	21U005	A
104	Dr.Srinidi Gowinda Rajan	Sandalwood		A
105	Mr.Rithvik Kashyap	Sandalwood	JS170002	A
106	Dr.Pushpalatha K	Sandalwood	JS030004	A
107	Chief Guest 1	Cannon Ball Tree		F
<b>Zone / Area identified</b>				
A	Admin block (Parking)			
B	Dental (Garden)			
C	Medical (Garden)			
D	RO-Plant (SLS Parking)			
E	Animal House			
F	Sports Ground			
G	Boys Hostel (Parking - HT)			
H	JSSCPM			

## **6.EXPLORING NATURE'S CLASSROOM: JSSAHER'S NATURE CAMP FORSTUDENTS**

NSS Volunteers from JSS College of Pharmacy actively engaged in a series of community initiatives aimed at fostering social welfare and environmental stewardship. Their commitment to making a positive impact on society is evident through their participation in the following events:

1. **Swachh Bharat Mission at Nanjanad Village:** NSS Volunteers played a pivotal role in the "Swachh Bharat Mission" at Nanjanad village. They began their day with a briefing at the DRDA office, where they were equipped with knowledge and guidance. Subsequently, they ventured into Nanjanad village, where they raised awareness among the local residents about cleanliness, sanitation, proper sanitation practices, and various Swachh initiatives. This dedicated effort contributes to creating a cleaner and healthier environment for the community.
2. **International Yoga Day Celebration:** The spirit of wellness and holistic living was celebrated on International Yoga Day at the campus. NSS Volunteers actively participated in this event, promoting the benefits of yoga for physical and mental well-being.
3. **Tree Plantation Program in Thalaikunda Forest Area:** Collaborating with the Forest Department, NSS Volunteers organized a "Tree Plantation Program" under the "Jalasakthi Abiyan" scheme. This initiative aimed to raise awareness about the significance of tree plantation in the Thalaikunda forest area. The endeavor aligns with the vision of the Nilgiris District Collector and Assistant Conservative Forest Officer to enhance the region's green cover.
4. **Plantation of Indigenous and Solar Grass Varieties:** The Youth Red Cross organized an event dedicated to the plantation of indigenous and solar grass varieties at The Nilgiris Library. Thirty NSS Volunteers actively participated in this initiative, contributing to the growth of indigenous flora and sustainable resources within the library premises.
5. **Dental Screening Program at PUM School:** In association with JSS Dental College, Mysuru, NSS Volunteers conducted a dental screening program at PUM School in Mayor. Their active involvement in this outreach program ensured that approximately 100 members of the village benefitted from the dental screening program.
6. **Tea Promotion Campaign:** NSS Volunteers participated in the "Tea Promotion Campaign" organized by the Tea Board of India at the Tribal Resource Centre. Their dedicated efforts earned them the third prize in the event, which was initiated by the District Assistant Collector. This engagement showcases their commitment to community activities and their success in promoting initiatives that benefit the wider public.

NSS Volunteers from JSS College of Pharmacy have made significant contributions to community welfare and environmental conservation. Their involvement in these diverse activities reflects their dedication to social responsibility and their active role in fostering positive change in society.



## **Nature Camp activities for science students**

The Nature Camp, jointly organized by the Department of Environmental Sciences and the Environmental Management & Policy Research Institute (EMPRI) in collaboration with the Department of Forest Ecology and Environment, Govt. of Karnataka, stands as a shining example of experiential education designed to engage and inspire science students. Spanning two enriching days, from the 13th to the 14th of February in 2023, this Nature Camp was an educational journey that immersed students in the beauty and complexity of the natural world.

Set against the backdrop of captivating outdoor environments, including the serene lakeshores, meandering riversides, and ecologically diverse areas, the Nature Camp was meticulously designed to provide students from various science colleges across the city with a transformative educational experience. The aim was to go beyond textbooks and traditional classrooms, giving students the opportunity to connect deeply with the environment while nurturing their leadership skills.

This immersive learning experience not only exposed students to the wonders of the natural world but also encouraged them to see themselves as an integral part of it. They were invited to reflect on the interdependence between humanity and nature, understanding that our well-being and the health of the environment are inseparable.

Kukkarahalli Lake, a prominent urban water body, served as the perfect setting for these educational endeavors. This lake is not just a water body but an intricate microenvironment within the city. It's a hub of biodiversity, teeming with various species of flora and fauna, and an array of environmental components that make up its ecosystem. This unique environment served as a real-world classroom, offering a diverse range of ecological niches for exploration.

Under the expert guidance of knowledgeable educators and environmental experts, students embarked on a journey of discovery. They delved into the world of ecological studies, discovering the intricate relationships between different organisms and their environment. Birdwatching sessions allowed them to connect with the avian life that thrives around the lake, and environmental assessments offered practical insights into how we can better care for our environment.

However, the Nature Camp wasn't just about studying nature; it was about immersing oneself in it. Students were encouraged to take part in hands-on activities like planting trees, understanding the principles of sustainable agriculture, and conducting environmental surveys. These activities instilled a sense of responsibility and inspired students to become ambassadors for environmental conservation.

In addition to the academic enrichment, the Nature Camp also fostered personal growth. Students, through reflection and self-discovery, developed a profound connection with nature, sparking a sense of stewardship. This transformational experience empowered them to be not just passive observers but active advocates for sustainable living and environmental conservation.

In summary, the Nature Camp activities for science students were a holistic educational journey, emphasizing the significance of hands-on, experiential learning. It served as a powerful reminder of the intricate relationship between humans and the environment, inspiring a new generation of eco-conscious leaders who are ready to take action for a more sustainable and harmonious future. These initiatives reflect the commitment of educational institutions and government agencies to nurturing a generation that's not just informed about environmental challenges but actively engaged in solving them.

### Students peek into world of plants, birds at Kukkarahalli Lake



#### **Visit to Poultry Farm and Cattle Rearing during NSS Camp**

During the Annual NSS Camp Students were taken to Poultry farming and was explained about the various aspects of Poultry farming and given directions how it needs to be domesticated. It was an experiential learning to the students on nurturing the life on land.

Students were given Practical Training on how to domesticate cattle and how to take care of the diseases the cattle affected, students took this initiative and learnt various aspects of nurturing the cattle.

#### **Environmental Education and Awareness**

Raising awareness about the importance of biodiversity, land conservation, and sustainable land use through educational programs and public campaigns mobilizes support for SDG 15. In addition, promoting responsible forest management practices, such as selective logging and reforestation, ensures the continued provision of ecosystem services and economic benefits from forests.

In this regard, we have academic programmes which promotes the conservation of plants and land. At Undergraduate level in B Pharm prescribed by Pharmacy Council of India– Environmental Sciences Subject is taught for conservation of land. Screenshot of it is below and syllabus is attached.

**BP 206 T. ENVIRONMENTAL SCIENCES (Theory)**

**30 hours**

**Scope:**Environmental Sciences is the scientific study of the environmental system and the status of its inherent or induced changes on organisms. It includes not only the study of physical and biological characters of the environment but also the social and cultural factors and the impact of man on environment.

**Objectives:** Upon completion of the course the student shall be able to:

1. Create the awareness about environmental problems among learners.
2. Impart basic knowledge about the environment and its allied problems.
3. Develop an attitude of concern for the environment.
4. Motivate learner to participate in environment protection and environment improvement.
5. Acquire skills to help the concerned individuals in identifying and solving environmental problems.
6. Strive to attain harmony with Nature.

**Course content:**

**Unit-I** **10hours**

The Multidisciplinary nature of environmental studies  
Natural Resources  
Renewable and non-renewable resources:  
Natural resources and associated problems  
a) Forest resources; b) Water resources; c) Mineral resources; d) Food resources; e) Energy resources; f) Land resources: Role of an individual in conservation of natural resources.

**Unit-II** **10hours**

Ecosystems  
▪ Concept of an ecosystem.  
▪ Structure and function of an ecosystem.  
▪ Introduction, types, characteristic features, structure and function of the ecosystems: Forest ecosystem; Grassland ecosystem; Desert ecosystem; Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

- More details at Page 71 of the Regulatory body approved syllabus- [https://www.pci.nic.in/pdf/Syllabus\\_B\\_Pharm.pdf](https://www.pci.nic.in/pdf/Syllabus_B_Pharm.pdf)

The College offers post graduate programme- Masters in Pharmacy - Pharmacognosy aimed at promotion conservation and sustainable utilisation of the land, including forests and wildlife.

- Website of Pharmacognosy Department- <https://jssuni.edu.in/jssaheer/college-of-pharmacy-ooty/departament-pharmacognosy-home.html>

The M.Pharm in Pharmacognosy has curriculum which elaborates on the conservation of biospheres of medicinal value and the importance of cultivation of such rare medicinal plants.

<b>ADVANCED PHARMACOGNOSY - I</b> (MPG 102T)	
<b>SCOPE</b> To learn and understand the advances in the field of cultivation and isolation of drugs of natural origin, various phytopharmaceuticals, nutraceuticals and their medicinal use and health benefits.	
<b>OBJECTIVES</b> Upon completion of the course, the student shall be able to know the, <ul style="list-style-type: none"><li>• advances in the cultivation and production of drugs</li><li>• various phyto-pharmaceuticals and their source, its utilization and medicinal value.</li><li>• various nutraceuticals/herbs and their health benefits</li><li>• Drugs of marine origin</li><li>• Pharmacovigilance of drugs of natural origin</li></ul>	
<b>THEORY</b>	<b>60 Hrs</b>
1. Plant drug cultivation: General introduction to the importance of Pharmacognosy in herbal drug industry, Indian Council of Agricultural Research, Current Good Agricultural Practices, Current Good Cultivation Practices, Current Good Collection Practices, Conservation of medicinal plants- Ex-situ and In-situ conservation of medicinal plants.	

More details in this link - [https://www.pci.nic.in/pdf/Syllabus\\_M\\_Pharm.pdf](https://www.pci.nic.in/pdf/Syllabus_M_Pharm.pdf)

## **ACADEMIC & RESEARCH ACTIVITIES RELATED WATER DISCHARGES TO UPHOLD WATER QUALITY TO PROTECT ECOSYSTEMS, WILDLIFE, AND HUMAN HEALTH AND WELFARE**

### **For Undergraduates:**

- **Visit Water purification plant:** Students of MBBS Phase III Part I are taken for a visit to a large-scale water purification center during their Community Medicine department posting. They learn about the purification techniques of water on a large scale, chlorination of water, and distribution of safe drinking water on a large scale. They also visit the Public Health laboratory on the premises of water works, where they learn about water quality surveillance.
- **Public Health laboratory at the Department of Community Medicine:** the MBBS students are taught about the identification of chlorine demand in water, different disinfectants used in water disinfection at the household level, and identification of the amount of residual chlorine using a chloroscope.
- **Hand Hygiene technique:** In the department of Microbiology the undergraduates are taught about hand washing techniques and the importance of hand hygiene.
- **Biomedical Waste Management:** In the department of Community Medicine and Microbiology, the students are taught practical skills of disposal, segregation, transport, and treatment of biomedical waste.
- **Environment and Health:** The BSc Allied Health sciences students are taught for one complete semester on different aspects of environment affecting the health. Includes water purification, solid and liquid waste management, Biomedical Waste Management, Sewage treatment, Excreta disposal, etc.

### **For Postgraduates:**

- **Water Surveillance:** the MD Postgraduates, Master in Public Health (MPH), and MSc Microbiology students are trained in regular water surveillance for detection of water quality assessment, fecal contamination of water, chlorine content, etc.
- **Stool examination:** the postgraduates are taught and assessed about stool examination techniques to identify the ova and cyst in the stool.
- **MTech in Health Science and Water Engineering:** Students from the Master of Technology are taught about water and related diseases.





Vanivilas Water Works



Horrocks Apparatus

## Water Quality Analysis of JSS Boys and Girls hostel in the JSS AHER campus

**Department of Microbiology** was involved in testing the quality of water in JSS AHER Campus. Water sample from JSS girls and boys hostel were tested for microbiological load and report was submitted to the hostel authority.



*Water Quality Analysis of JSS Boys and Girls hostel in the JSS AHER campus*

## Live demo of phytoremediation of wastewater



**Live demo on phytoremediation of coloured dyes:** As a part of the Science awareness program, funded by DST-STUTI, experiments/demonstrations on phytoremediation of coloured wastewater was conducted. The aim is to treat the coloured water by using natural dehydrated roots of water hyacinth. The natural extract efficiently adsorbed the colour from the water, which showed the natural treatment approach to remove dyes. The program was conducted as an outreach activity, covering several schools and colleges in and around Mysore.



Department of Pharmaceutical Biotechnology of JSS AHER have conducted the awareness program with the help of students to analyse the presence of *E.coli* or coliform bacteria in drinking water collected from various drinking water facilities installed in college as well as hostels. The results shows that absence of *E.coli* or coliform bacteria in the drinking water collected from 5 RO water units at the campus.



## **GO GREEN GROW GREEN – FOR GOOD HEALTH & WELL BEING.**

JSSAHER supports its staff & students to enrich their skills in value addition in the household activities. Value addition in nutrition & developing kitchen garden activities scheduled during Women Pakwada Programme

JSS Academy of Higher Education & Research (JSSAHER) is committed to nurturing not only the academic growth of its staff and students but also their practical skills in enhancing household activities. As part of this holistic approach, JSSAHER introduced a valuable initiative focusing on nutrition enrichment and the development of kitchen gardens, which was scheduled during the Women Pakwada Programme in December 2022.

The program, aptly titled "GO GREEN GROW GREEN – for Health ," aimed to empower participants with knowledge and hands-on experience in sustainable and health-conscious household practices. The event covered several crucial aspects:

1. **Terrace and Kitchen Gardening:** The presentation shed light on the benefits of terrace farming and kitchen gardening. It emphasized the importance of embracing these practices as a means to not only improve nutrition but also to establish a deeper connection with the environment. Participants were introduced to various gardening tools and techniques, equipping them with the knowledge needed to embark on their own gardening journeys. The key takeaway was the joy and satisfaction that comes from spending time with plants and reconnecting with nature.

2. **Waste Management and Pest Control:** Another essential facet of the program delved into waste management and effective pest control methods. Participants were briefed on various techniques to manage household waste and repurpose it as valuable organic manure. This dual benefit, reducing waste and enriching the garden, was stressed as an eco-friendly and cost-effective solution. The program encouraged participants to take a hands-on approach to creating in-house organic and inorganic manure, providing nourishment for their plants.

By integrating these valuable skills into their daily lives, the participants of the "GO GREEN GROW GREEN – for Health " program not only gained insights into sustainable living but also became equipped to make a tangible difference in their households. Such initiatives by JSSAHER serve as an exemplary model for holistic education, emphasizing the practical application of knowledge for a healthier, more sustainable future. These efforts are a testament to the institution's dedication to the well-being and empowerment of its staff and students.



## **JSSAHER GREEN LEGACY: NURTURING SUSTAINABILITY THROUGH EDUCATION**

The commitment to environmental stewardship at JSS College of Pharmacy, Mysuru, permeates the institution from various angles, forming a cohesive narrative of sustainability and responsibility. In harmony with the National Service Scheme (NSS Unit) activities, the campus's garden team plays a pivotal role in maintaining a veritable cornucopia of fruit-bearing and vegetable-bearing plants and trees. This verdant tapestry includes an impressive array of fruit trees like jackfruits, mangoes, bananas, coconuts, tamarind, and beal fruits, alongside a host of vegetable plants such as cucumbers, ladies' fingers, and drumsticks. These plants have been thoughtfully chosen not only for their nutritional value but also for their ability to yield fresh produce in different seasons. The fruits of this labor are savored not only by the institution's staff and students but also by the visitors who grace its campus, offering a tangible connection to the natural world.

The campus's commitment to conservation also extends to the Smart Campus Committee, which actively works to enhance the number of trees on the premises. Beyond the aesthetic appeal and shade they provide, these trees offer invaluable shelter to a thriving community of birds, insects, bees, earthworms, and other forms of biodiversity. These trees, both old and newly planted, serve as vital hubs within the urban landscape, ensuring that the micro and macro-ecological systems continue to thrive.

Furthermore, JSS College of Pharmacy's dedication to environmental conservation transcends its green initiatives. Within its academic programs, the institution has taken a principled stance by eliminating the use of amphibians, rodents, and other such animals for undergraduate teaching or experimental demonstrations. This step, driven by an ethical commitment to protecting the micro and macro-ecological systems, is an embodiment of the university's broader philosophy of sustainability and ecological responsibility.

In concert, the collective efforts of the NSS Unit, the campus's garden team, the Smart Campus Committee, and the university's commitment to ethical academic practices depict an institution that has embraced environmental sustainability as an intrinsic value. Their combined endeavors not only benefit the immediate campus community but also set an inspiring example for the wider society. Through these multifaceted initiatives, JSS College of Pharmacy stands as a beacon of hope and a testament to the positive impact that educational institutions can have in cultivating a culture of environmental consciousness, responsibility, and ethical practices.

## **WORLD ENVIRONMENT DAY CELEBRATIONS-2023**

World Environment Day was Celebrated from the Department of Health System Management Studies in and NSS Unit of the Department of Health System Management Studies and Nutrition and Dietetics; with the theme #BeatPlasticPollution. In the talk given by Dr. Harsha T.S., Assistant Professor, KSOU; chief guest for the occasion, he mentioned our responsibility towards protecting the life around us. He mentioned about the effect of plastic on the environment and stressed especially on the Bio-Medical waste of Hospitals and how it should be treated for a better Sustainable Environment. Extensive usage of plastic, non-biodegradable materials which releases micro plastics into the soil are posing threat for life on land like cattle.

A video documentary was made by the students in support with faculty demonstrating how plastic is posing threat to the environment and disturbing the ecosystem. The documentary movie presented how plastic is affecting various cattle and other animals on land and was also given the solution on how to tackle the problem and make the animals safe.

## **7.WINGS OF CONSERVATION: JSS AHER'S AVIAN SANCTUARY - WHERE LEARNING MEETS BIODIVERSITY**

The endeavor to preserve and protect exotic bird species within the lush confines of the JSS Academy of Higher Education & Research (JSS AHER) campus stands as a testament to the institution's unwavering commitment to environmental conservation. Situated in the heart of a vibrant natural landscape, JSS AHER's campus has been meticulously nurtured into a thriving bird sanctuary, thanks to the presence of nearly 2400 trees that create an inviting haven for avian inhabitants.

The campus is graced with the presence of approximately 30 bird species, each contributing to the rich tapestry of biodiversity within this green oasis. While the campus hosts its fair share of common avian residents such as Rock pigeons, common mynas, crows, sparrows, Brahminy Kites, and red-napped ibises, it goes above and beyond by providing a sanctuary for rarer and more ecologically significant species.

Among these distinguished bird species, a few are of remarkable ecological importance. The Indian grey hornbill, the black-necked ibis, and the Indian spotted eagle, all of which fall within threatened or near-threatened categories as per the International Union for Conservation of Nature (IUCN), call the campus home. Their presence underscores the pivotal role that JSS AHER plays in not just nurturing its own academic community but also contributing to the broader conservation efforts.

Allow me to provide more intricate descriptions of some of the most frequently encountered avian residents within the campus:

1. **Indian Spotted Eagle:** A soaring, majestic raptor, the Indian spotted eagle stands as the largest South Asian bird predator. Its impressive wingspan of up to 150 cm sets it apart. Classified as a vulnerable species, it boasts brown plumage adorned with prominent white spots. Observers may catch a glimpse of this magnificent bird as it glides gracefully high above the campus or perches atop the Medical College building at any time of the day.
2. **Spotted Owlet:** These diminutive owls find their refuge in tree hollows and cavities, typically in tropical Asia and mainland India. Their attraction to human settlements is driven by the availability of prey. Recognizable by the distinctive white spots that adorn their grey-brown plumage, they enjoy the status of a species of least concern according to the IUCN. Recently, a Spotted Owlet was spotted at the FLS parking lot, providing a glimpse of their endearing presence.
3. **Indian Grey Hornbill:** Easily recognizable, the Indian grey hornbill is a common hornbill species found in the Indian subcontinent. These avian inhabitants are often observed in pairs, a characteristic that lends them their name due to the unique structure on their beaks. They exhibit a typical gray plumage and are frequently sighted in the vicinity of large trees in urban areas, with campus sightings near the FLS Parking Lot.
4. **Brahminy Kite:** Also known as Red-backed Sea Eagles, these birds are native to Australia and South Asia. In India, they belong to the species *Haliastur indus*. These avian predators predominantly subsist on a diet of fish, small mammals like rats, and even snakes. Their daytime flights often take them soaring around the Medical College, where they engage in the pursuit of prey and the capture of insects.

Beyond these prominent bird species, the campus also plays host to a diverse array of avian life, including the Red-vented Bulbul, Purple Sunbird, Red-whiskered Bulbul, Cattle Egret, Rose-ringed Parakeet, and an array of others. These winged residents collectively contribute to the campus's dynamic and biodiverse ecosystem, offering students and the local community a unique opportunity to forge a deeper connection with the natural world while imparting valuable lessons in wildlife conservation and ecological stewardship.

By cultivating this harmonious coexistence between humans and the avian world, JSS Academy of Higher Education & Research fulfills its role not only as an educational institution but as a dedicated custodian of the environment. This exceptional relationship between academic pursuits and nature conservation serves as an inspiring example of the institution's unwavering dedication to the cause of preservation and the sustainable utilization of the land. It underscores the profound impact that an academic institution can have in shaping a more harmonious and ecologically aware society. Other **fascinating bird species that have found a home within the verdant confines of the JSS Academy of Higher Education & Research (JSS AHER) campus:**

**5.Red-vented Bulbul:** These charming birds are known for their distinctive appearance and lively personalities. Red-vented bulbuls are medium-sized songbirds with a sleek, glossy black head and a striking crimson patch below their tails, which gives them their name. Their melodious calls and energetic antics make them a delightful presence in the campus. These bulbuls are not only known for their vocal talents but also for their adaptability to a range of environments. They play a role in seed dispersal and help maintain ecological balance by controlling insect populations.

**6. Purple Sunbird:** With their iridescent plumage that glimmers in shades of purple, blue, and green, the male purple sunbirds are truly a sight to behold. These tiny, nectar-feeding birds are known for their agility and are often seen flitting about the campus's flowering plants. Their presence is not only a visual delight but also an essential one, as they play a key role in pollination. By sipping nectar from flowers and transferring pollen from one bloom to another, they aid in the reproduction of many plant species.

**7. Red-whiskered Bulbul:** Another delightful addition to the campus's avian community, the red-whiskered bulbul boasts a striking appearance, with a crest on its head and vibrant red patches on its cheeks. These bulbuls are not only skilled singers but also active foragers, feeding on fruits, insects, and flower buds. Their presence adds both visual and auditory appeal to the campus's ecosystem.

**8.Cattle Egret:** These striking wading birds are often seen foraging in the campus's grassy areas, particularly in proximity to cattle or other livestock. Cattle egrets are renowned for their striking white plumage and their habit of perching on the backs of large mammals, where they capture insects stirred up by the animals. This mutually beneficial relationship benefits both the egret and the livestock, as it helps control pests. Their presence is a testament to the interconnectedness of species in the natural world.

**9.Rose-ringed Parakeet:** The vivid and vibrant plumage of the rose-ringed parakeet makes it a true gem of the campus's avian population. These parakeets are highly sociable and often seen in pairs or larger flocks. Their vivid green bodies are adorned with a distinctive rose-colored collar, which gives them their name. The presence of these parakeets adds color and vivacity to the campus's natural tapestry, and their cheerful calls are an auditory treat for all those who encounter them.

These birds collectively contribute to the vibrant ecosystem within the JSS AHER campus. They are not merely feathered inhabitants but also integral components of a delicate ecological balance. Their roles in pollination, insect control, and seed dispersal demonstrate how nature operates in intricate harmony, and their presence serves as a living example of the importance of preserving and nurturing biodiversity. The rich avian diversity within the campus offers students and the local community an opportunity to engage with and learn from nature, fostering a deeper connection to the environment. These birds symbolize the beauty and wonder of the natural world, and their presence within the campus underscores the importance of safeguarding and celebrating our shared natural heritage.

**Spotted Owlet**



**Indian Gray hornbill**



**Brahminy Kite**



## **8. COLLABORATION WITH LOCAL COMMUNITIES**

### **JSSAHER : NURTURING KNOWLEDGE, SUSTAINABILITY, AND ETHICAL EDUCATION**

The commitment to environmental stewardship and educational excellence at JSS College of Pharmacy, Mysuru, stands as a resounding testament to the institution's multifaceted dedication. Complementing the institution's green initiatives and ethical academic practices, JSS College of Pharmacy has consistently demonstrated its commitment to holistic education and environmental responsibility. This commitment extends to its participation in the Indian Academy of Sciences-sponsored "3 Days Lecture Workshop on Opportunities and Challenges in Plant Biodiversity & Phyto-Nano-Medicine," which took place from the 28th to the 30th of September in 2022.

This workshop, focusing on "Opportunities and Challenges in Plant Biodiversity & Phyto-Nano-Medicine," unfolded as a resounding success. Drawing the active participation of 130 delegates hailing from diverse locations such as Coonoor, Nilgiris, Coimbatore, Mysore, Erode, and more, it served as an educational nexus for exploring the realms of plant biodiversity and phytomedicine.

The extensive scientific sessions conducted over the course of three days offered a rich platform for intellectual exchange and experiential learning. Seven distinguished speakers, including honorary scientists from the Indian National Science Academy (INSA), shared their knowledge and profound insights. Among them, Professor K. R. Shivanna, an Honorary Scientist from INSA, Bangalore, played a pivotal role in shedding light on the significance of the workshop.

The workshop comprised a total of 15 technical sessions, each meticulously designed to provide attendees with a comprehensive understanding of plant biodiversity and medicinal plants. These sessions, facilitated by experts in their respective fields, offered attendees a unique opportunity to delve into the intricacies of the subject matter.

Students and teaching staff alike were deeply enriched by this educational endeavor. They expressed their appreciation through overwhelmingly positive and extended feedback, highlighting the invaluable knowledge and experiences they had gained. This profound engagement with the topics of plant biodiversity and medicinal plants not only broadened their horizons but also empowered them to become stewards of environmental and scientific conservation.

In essence, JSS College of Pharmacy's participation in the "Opportunities and Challenges in Plant Biodiversity & Phyto-Nano-Medicine" workshop further underscores the institution's unwavering commitment to fostering holistic education, ethical practices, and environmental responsibility. These efforts stand as an inspirational example of how educational institutions can shape environmentally conscious, knowledgeable, and ethically responsible individuals who are well-prepared to tackle the challenges of our ever-evolving world.



## **NILGIRIS BIOSPHERE MEDICINAL PLANTS EXHIBITION**

The Nilgiris Biosphere Medicinal Plants Exhibition stands as a shining example of the profound commitment of the college community to the cause of environmental conservation and the sustainable utilization of our natural resources. This remarkable event, organized annually by the Department of Pharmacognosy, is a testament to the institution's unwavering dedication to the preservation of medicinal plants within the Nilgiris Biosphere.

The Nilgiris Biosphere, a region renowned for its pristine natural beauty and ecological significance, is home to a rich diversity of plant species, many of which have been used for generations in traditional medicine. Recognizing the ecological and medicinal value of these plants, the Department of Pharmacognosy takes a proactive approach in organizing this exhibition, where the focus is on not just showcasing the remarkable plant diversity but also fostering a deeper understanding of their significance.

This exhibition serves as a bridge between education, conservation, and the community. It offers a platform for both students and the public to learn about the vital role that medicinal plants play in the region's ecosystem and its potential contributions to healthcare. The event is a celebration of biodiversity, where students, faculty, and local communities come together to explore, appreciate, and protect these valuable resources.

Furthermore, the Nilgiris Biosphere Medicinal Plants Exhibition emphasizes the importance of sustainable utilization. While recognizing the significance of these plants, it also highlights the need to ensure their survival for future generations. By promoting sustainable practices in the harvesting and use of medicinal plants, the event sends a powerful message about the responsible coexistence of humans and nature.

In essence, this annual exhibition is not just an event but a reflection of the institution's core values. It signifies the integration of knowledge, conservation, and community engagement in a harmonious effort to protect the environment and its resources. It is a call to action for students, educators, and the public to appreciate, respect, and preserve the rich natural heritage of the Nilgiris Biosphere. Through events like these, the college not only imparts education but also fosters a sense of responsibility toward the land, forests, and wildlife, emphasizing that our collective actions can make a significant impact in promoting a sustainable and harmonious coexistence with nature.

## **9.CULTIVATION OF HERBAL PLANTS**

### **JSSAHER's Medicinal Plant Garden: Where Tradition, Conservation, and Well-being Flourish**

The presence of a herbal garden within JSS Academy of Higher Education and Research (JSSAHER) is a testament to the institution's commitment to holistic well-being, environmental stewardship, and the promotion of traditional medicinal knowledge. This herbal garden, often referred to as a medicinal plant garden, plays a multifaceted role in enriching the campus environment and benefiting its community.

First and foremost, the herbal garden serves as a living repository of medicinal plants, showcasing a diverse array of species that have been historically used in traditional medicine. These plants are not merely aesthetically pleasing; they are a source of profound wisdom about natural remedies and holistic healing. The garden provides an invaluable resource for students, faculty, and researchers who seek to study, understand, and appreciate the medicinal properties of these plants. By having easy access to these living specimens, learners can explore the intricacies of herbal medicine and deepen their understanding of the role of plant-based remedies in healthcare.

The herbal garden also plays a pivotal role in environmental conservation and the promotion of sustainable practices. Many of the plants on display are not just of medicinal significance but are also native to the region. By cultivating and conserving these plants on campus, JSSAHER contributes to the preservation of local biodiversity and encourages the use of native species in traditional medicine. This approach promotes the sustainable use of indigenous resources, reducing the pressure on wild populations of these plants.

In addition to their medicinal properties, these plants also serve as a source of fresh air and an oasis of tranquility within the campus. As they release oxygen and phytochemicals into the atmosphere, the herbal garden contributes to the well-being of everyone who passes through it. It is a serene and therapeutic space where students, faculty, and visitors can take a respite from the hustle and bustle of daily life and immerse themselves in the soothing embrace of nature.

The existence of the herbal garden is a testament to JSSAHER's holistic approach to education, where the physical, mental, and emotional well-being of its community is given utmost importance. It encapsulates the belief that connecting with nature and harnessing its healing potential is an integral part of a well-rounded education.

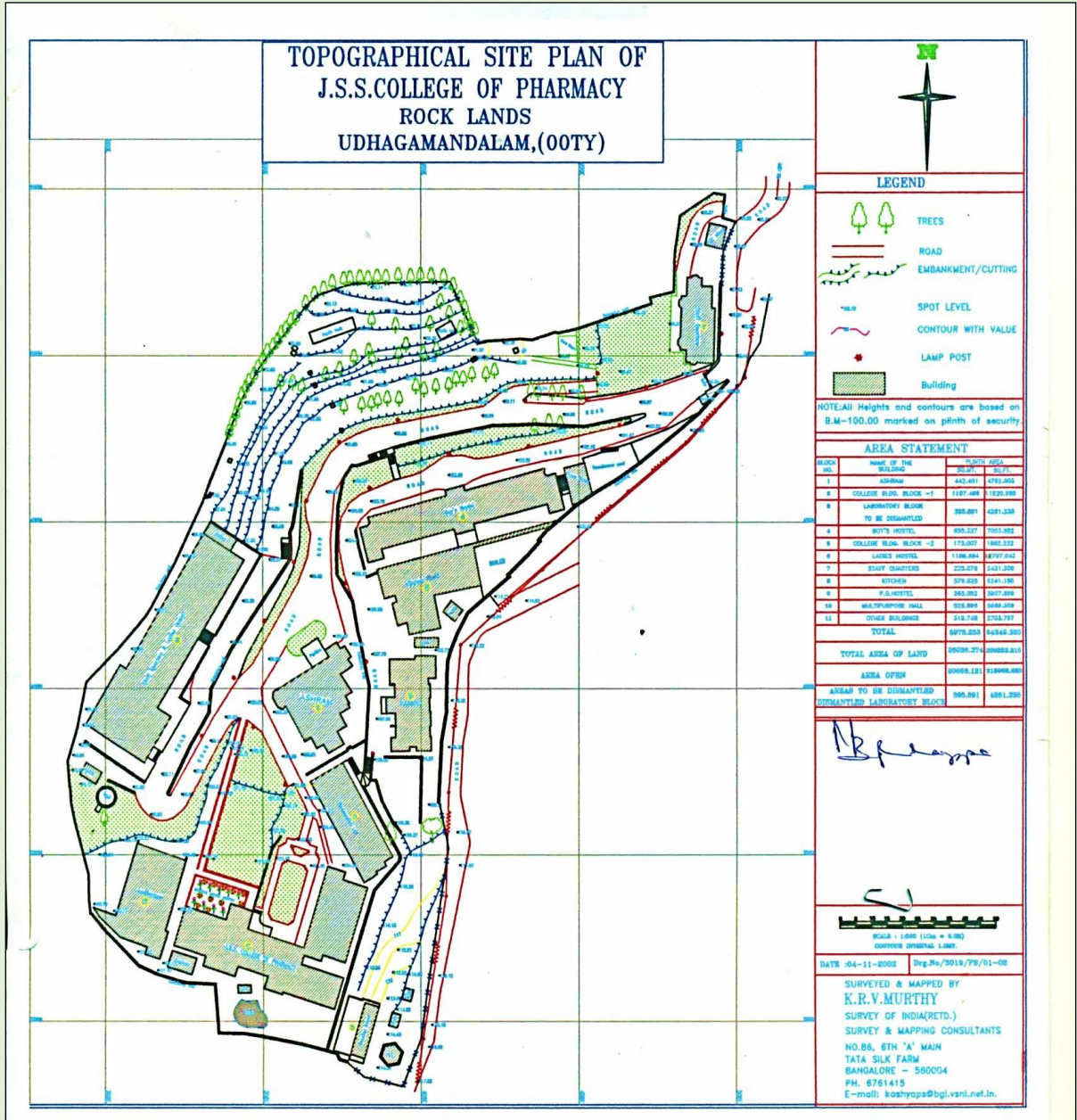
In summary, JSSAHER's herbal garden is not just a collection of plants; it is a living laboratory, an ecological conservation effort, and a source of healing and well-being. It embodies the institution's commitment to education that extends beyond textbooks and classrooms, embracing the wisdom of traditional medicine and the importance of living in harmony with the environment.







## TOPOGRAPHICAL MAP OF GREEN COVER IN THE CAMPUS



The presence of a topographical map of the green cover within the campus is indicative of a conscientious and ecologically responsible approach to land management at JSS Academy of Higher Education and Research

(JSSAHER). This map represents a significant step in the institution's commitment to environmental conservation, sustainable development, and responsible expansion.

The topographical map offers a comprehensive overview of the campus's green cover, which includes the various natural and landscaped areas rich in vegetation and plant life. Such maps are instrumental in identifying, assessing, and documenting the existing green cover within the institution's premises. They provide essential information regarding the distribution, composition, and density of vegetation, including trees, shrubs, and other flora. This data can serve as a valuable resource for environmental management and planning.

What's particularly commendable is the alignment of the campus's expansion plans with the policies and regulations of the Nilgiris District. This strategic approach ensures that any development, including the construction of buildings, is undertaken with due consideration for the preservation of the existing green cover. It is reflective of a broader commitment to sustainable urban development, one that harmonizes with the Ministry of Forestry and the Hill Area Development Program (HADP) of Nilgiris. This approach emphasizes the importance of maintaining a balanced ecosystem, respecting the local ecology, and safeguarding the biodiversity that the campus and its surrounding region offer.

Obtaining prior permission for any expansion or construction activities underscores the institution's adherence to legal and environmental compliance. It reflects a respectful approach to local policies and a proactive commitment to responsible land use.

In essence, the topographical map of the green cover in the campus, aligned with the policies and regulations of Nilgiris District, signifies a holistic approach to land management. It is a visual representation of JSSAHER's dedication to environmental preservation, sustainable development, and ethical urban planning. This commitment sets a high standard for land use practices within the region and underscores the institution's role as a responsible steward of its natural surroundings.

## 10.SUSTAINABLE WATER EXTRACTION TECHNOLOGY IN JSSAHER

- Rainwater harvesting collection tank of 30,000 liters storage capacity.
- 10 no's of Groundwater & bore well recharge pits and infiltration tank of about 15,000 liters capacity.
- STP of 25 KLD capacity by using SWR technology has been installed for treating sewage & kitchen wastewater of PG Guest Hostel & the treated water is used for the gardening area developed surrounding the building.
- One tank of 10,000 liters capacity is made for reuse of RO rejected water for gardening purposes
- Water sprinklers are in place



The small-scale sewage treatment plant



Facility for Reverse Osmosis (RO)

1. Campus Maintenance Committee & Garden Maintenance Team of JSSAHER supervises and maintains water quality standards and guidelines for water discharges to uphold water quality in order to protect ecosystems, wildlife, and human health and welfare.
2. JSSAHER ensures and manages Rainwater, RO discharge water, STP recycled water well and optimally utilizes in its campuses for the maintenance of its garden and to charge the ground water to maintain the water quality and for maintaining the water level/table. It has installed water level controllers to avoid unnecessary overflow of overhead tanks and provided ball valves at inlet points of Under Ground sumps as well in overhead tanks.
3. About 54.63 lakh liters of water is being used at JSSAHER and all its campus by staff, students and for gardening purposes from various sources of water storage maintained aseptically in the Approximately 50 ltr ( per day ) of water is being used at JSSAHER and all its campus by staff, students and for gardening purposes from various sources of water storage. The details of means of water usage are given below:
  - 7.65 lakh litres from OHT & Sump storage (*Primary / Main Storage*)
  - 5.655 lakhs litres collected from Rainwater
  - 0.26 lakh litres from recycled water
4. 1.25 lakh litres per day of treated / recycled / RO rejected water is being used by JSSAHER & its colleges towards gardening purposes.
5. STP of 25 KLD capacity by using SWR technology has been installed for treating of sewage & kitchen wastewater of PG Guest Hostel & the treated water is using for the purpose gardening area developed surrounding the building. One tank of 10,000 ltrs capacity is made for re-use of RO rejected water for gardening purpose.
6. JSSAHER ensures a dedicated water lines for portable and for other domestic purpose.
7. Across the JSSAHER campus, about 5000 LPH capacity of RO plants are installed depending upon the individual campus population and requirement. And dedicate team is assigned for its maintenance.
  - Automated water meters are provided at all the premises to examine and to encourage the stakeholders to use the water judiciously.
  - Taps /flush tanks/ faucets etc. are well maintained by the dedicated team (Housekeeping/ Plumber/ Engineers) in good condition to avoid wastage of water.
  - Measures are taken to install water level controllers to avoid unnecessary overflow of water from the overhead tanks and provided ball valves at inlet points of Under Ground sumps.
  - RO discharge water is being used for the gardening purpose and for sports ground maintenance.
  - Rainwater collection tanks are helping for softening/reducing the TDS factors (50%)and thereby improving the quality of water.
  - Reject water of UF plant of capacity 3000 ltr per hour (LPH) installed at Girls Hotel 'D' block is connected to Over Head Tank (Near main entrance) reserved for garden watering purpose.



## **11.SAFE DRINKING WATER SUPPLY SYSTEM FOR STAFF, STUDENTS AND PATIENTS IN JSSAHER**

### **1. Provision of Safe drinking water at college premises.**

- To provide quality care, healthcare facilities need to have a safe and accessible water supply this is well maintained at JSSDCH.

### **2. Sanitation and hygiene maintenance by the house keeping staff at college premises**

- Clean and safe sanitation facilities; hand hygiene facilities at points of care and at toilets; and appropriate waste disposal systems are in place at JSSDCH.

### **3. Waste water treatment**

- Infrastructure that supports water, sanitation, hygiene, and healthcare waste management practices helps prevent the spread of diseases within the healthcare facility and to the surrounding community.

### **4. Rain water harvesting**

To meet the needs and sustainable management of fresh water, the rainwater harvesting, and utilization systems have been established in all the campuses of the university to aid towards the greater objectives of water management and conservation and increasing recharge of groundwater by capturing and storing rainwater, rainwater harvesting from rooftop run-offs and natural water bodies and the community development.

The below mentioned models are established in the various buildings based on the size of the building and the extent and topography of the land.

- Simple roof water collection systems - Most of the rooftop rainwater harvesting has been completed by constructing five water storage structures with a storage capacity of 1000 m<sup>3</sup>.
- Land surface catchments – a simple way of collecting rainwater by retaining the flows (including flood flows) of small creeks and streams in small storage reservoirs (on surface or underground) created by low-cost dams
- Collection of storm water – The surface runoff collected in storm water ponds/ reservoirs is subject to a wide variety of contaminants and every effort is made to keep these catchments clean.

### **5. Biomedical waste management in an appropriate manner**

- JSS Dental College and Hospital gives utmost importance to controlling and prevention of infection in patients, visitors, healthcare providers and community by adopting appropriate safety measures.
- JSS Dental College and Hospital has an organized Infection Control Committee and Infection Control Team which formulates policies and measures aimed at reducing and eliminating infection risks to patients, housekeeping staff, visitors and to the environment.

6. Hand hygiene practice training and protocol displayed in all departments.
7. Field visit by III BDS students to water purification plant
8. Plastic-free campuses
9. The HEI actively organizes Swachh Bharat Abhiyan and creates awareness and consciousness amongst students.
10. The Institution also has included a subject Environmental Sciences in all courses as stipulated by UGC and organizes Environment Day and Water Day.

### **Provisions for Wastewater management, sewage treatment plant and rain water harvesting:**

#### **Existing Facility:**

##### **Waste management:**

- Bio-medical waste management service from M/s. Shree Consultants is being availed since May 2003.
- Segregation and collection of dry and wet garbage.
- Colour coded dustbins are provided across the campus.

**Water management:** - Water sprinklers are in place.

#### **Required Facility:**

- Rainwater Harvesting
- Sewage Treatment Plant facilities to improve the ground water level and to use for gardening.
- An awareness camp is necessary to educate on segregating degradable & non-degradable wastes.
- All water pipes can be connected to a metric meter to have a data on daily water consumption.
- Identifying damaged pipes and sprinklers and replacing them with efficient ones can save water.

### **3. Existing facility for disposal of polluted and waste water**

A dedicated facility for disposing waste water in designated sewage line is already exist in our premises, which prevents the entry of polluted water in to the water bodies. As shown in the images, this facility comprises of a storage tank of 30,000 litres equipped with 2 high pressure pumps to dispose the waste water in sewage line of Mysuru city corporation.

Also, a dedicated facility is created inside the campus to address the problem of waste water generated by the local community at the vicinity of our campus where no provision for the drainage is made. This is put in place to address better sanitation inside the campus and its surroundings.



**Waste water storage facility**



**Storage tank (30,000 Litre)**



**Pumps for disposing waste water into the sewage line**

#### **4. Availability of free clean drinking water to students, staff and visitors:**

The campus is equipped with 500 LPH RO water systems (02 No.) and 300 LPD RO water systems (03) to provide drinking water facility to students, staff and visitors at college campus, boys hostel and girls hostel. The RO water plants are subjected to periodic maintenance and quality testing being done periodically to ensure potability of water thus produced. Even the water from borewells are being subjected to periodic testing.

An external agency by the name CADD Solutions Technologies Pvt. Ltd. performs the testing of water from all sources for parameters as per APHA 23<sup>rd</sup> edition for chemical parameters and microbiological sampling to ensure potability of water. All sources of potable water are tested twice in a year

A few representative details are appended below:



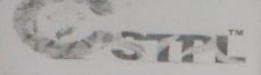
RO (Reverse Osmosis) water purifier is made available in the campus.







**Safe drinking water supply at various places in Colleges and Hospital premises.**



Go Green Be Eco Friendly

Ref: CSTPL/ANAL/197/21-22  
Report No: 521

Page 1 of 1  
CSTPL/W/11/01  
Report Print Date: 12.10.2021

**TEST REPORT**

1	Name and Address of the Customer	:	JSS College of Pharmacy Mysuru.
2	Sample collected by	:	Client
3	Sample Description	:	R O water - Collected at Boy's Hostel (2 ltr Polythene Bottle)
4	Sample Reference Number	:	CSTPL/Oct/521
5	Date of sample receipt	:	02.10.2021
6	Type of sampling	:	Grab Sampling
7	Date of Sample taken for analysis	:	04.10.2021
8	Date of Completion test	:	09.10.2021
9	Sampling Method adopted	:	NA
10	Environmental Condition during sampling	:	NA

Sl. No.	Parameters	Protocol as per APHA 23 <sup>rd</sup> Edition	Unit	Result	Standard IS 10500-2012	
					Requirement (Acceptable Limits)	Permissible Limits
1	pH @ 25°C	4500 H,B	----	7.98	6.5-8.5	No relaxation
2	Electrical Conductivity @ 25°C	2510-B	µs/cm	410	Not Specified	
3	Turbidity	2130 B	NTU	0.1	1 Max	5 Max
4	Calcium as Ca	3500- Ca	mg/L	49.6	75 Max	200 Max
5	Chloride as Cl	4500-Cl,B	mg/L	36.77	250 Max	1000 Max
6	Alkalinity as CaCO <sub>3</sub>	2320B	mg/L	170.88	200 Max	600 Max
7	Total Hardness as CaCO <sub>3</sub>	2340-C	mg/L	180.0	200 Max	600 Max
8	Magnesium as Mg	3500-Mg,B	mg/L	13.60	30 Max	100 Max
9	Boron as B	4500-B,B	mg/L	BDL (<0.1)	0.5 Max	1 Max
10	Sulphate as SO <sub>4</sub>	4500-SO <sub>4</sub> <sup>2-</sup> E	mg/L	2.45	200 Max	400 Max
11	Fluoride as F	4500-F,D	mg/L	0.31	1.0 Max	1.5 Max
12	Iron as Fe	3500-Fe,B	mg/L	BDL (<0.02)	1.0 Max	No relaxation
13	Nitrate Nitrogen as NO <sub>3</sub> -N	4500-NO <sub>3</sub> ,E	mg/L	4.93	45 Max	No relaxation
14	Nitrite Nitrogen as NO <sub>2</sub> -N	4500-NO <sub>2</sub> ,B	mg/L	BDL (<0.1)	0.02 - 2	13
15	Total Dissolved Solids	2540 C	mg/L	266.50	500 Max	2000 Max
16	Residual Chlorine as Cl <sub>2</sub>	4500-Cl,B	mg/L	BDL (<0.1)	0.2	1
17	Total Suspended Solids	2540 D	mg/L	BDL (<1)	-	-

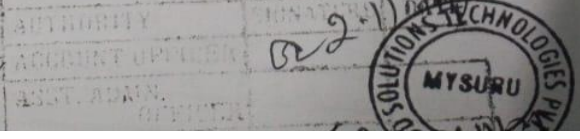
Note: BDL-Below Detection Level

**Inference** The analyzed values for above measured parameters are within the Acceptable limits. As per IS 10500:2012 Specification.

Note:

- The results listed above pertain only to the tested samples and applicable parameters.
- Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified.
- Total liability of our liability of our laboratory limited to the invoiced amount.
- This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. Subject to Mysore Jurisdiction.
- Sampling is not done by us unless otherwise specified. Any discrepancy in the test report should be notified within 15 days.
- For any complaints kindly register in our complaints Register maintained with customer service coordinator.

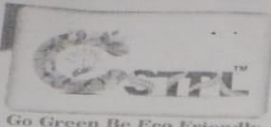
ANALYSED BY  
(Kavya)  
Chemist




AUTHORIZED SIGNATORY  
(Shivanand Shanabhogar)



# WATER TEST ANALYSIS



**CADD SOLUTIONS TECHNOLOGIES PVT LTD.,**  
 Certified by ISO 9001:2015 & OHSAS 18001:2007  
 - Chemical & Environmental lab - Mechanical Testing Lab - Calibration Services  
 - Food Testing Lab - Digital (DGPS) Survey - Road & Amenity cleaning M/e



Page 1 of 1  
 CSTPL/W/11/01  
 Report Print Date: 10.03.2021

Ref: CSTPL/ANAL/178/20-21  
 Report No: 472

### TEST REPORT

1	Name and Address of the Customer	:	JSS PHARMACY GIRLS HOSTEL Bannimantap, Mysuru
2	Sample collected by	:	Client
3	Sample Description	:	Cauvery Water (2 ltr Polythene Bottle)
4	Sample Reference Number	:	CSTPL/Mar/472
5	Date of sample receipt	:	02.03.2021
6	Type of sampling	:	Grab Sampling
7	Date of Sample taken for analysis	:	02.03.2021
8	Date of Completion test	:	09.03.2021
9	Sampling Method adopted	:	NA
10	Environmental Condition during sampling	:	NA

Sl. No.	Parameters	Protocol as per APHA 23 <sup>rd</sup> Edition	Unit	Result	Standard IS 10500-2012	
					Requirement (Acceptable Limits) Max	Permissible Limits Max
1	pH @ 25°C	4500 H,B	----	8.40	6.5-8.5	No relaxation
2	Electrical Conductivity @ 25°C	2510-B	µs/cm	1187.0	Not Specified	
3	Turbidity	2130 B	NTU	1	1	5
4	Alkalinity as CaCO <sub>3</sub>	2320B	mg /L	418.0	200	600
5	Calcium as Ca	3500- Ca	mg/L	92.0	75	200
6	Chloride as Cl	4500-Cl,B	mg/L	117.98	250	1000
7	Total Hardness as CaCO <sub>3</sub>	2340-C	mg/L	490.0	200	600
8	Magnesium as Mg	3500-Mg,B	mg/L	63.18	30	100
9	Boron as B	4500-B,B	mg/L	BDL (<0.1)	0.5	1
10	Sulphate as SO <sub>4</sub>	4500-SO <sub>4</sub> <sup>2-</sup> E	mg/L	28.99	200	400
11	Fluoride as F	4500-F,D	mg/L	0.55	1.0	1.5
12	Iron as Fe	3500-Fe,B	mg/L	BDL (<0.02)	1.0	No relaxation
13	Nitrate Nitrogen as NO <sub>3</sub> -N	4500-NO <sub>3</sub> ,E	mg/L	26.83	45	No relaxation
14	Nitrite Nitrogen as NO <sub>2</sub> -N	4500-NO <sub>2</sub> ,B	mg/L	BDL (<0.1)	0.02 - 2	13
15	Total Dissolved Solids	2540 C	mg/L	724.0	500	2000
16	Total Suspended Solids	2540 D	mg/L	BDL (<1)	-	-
17	Chemical Oxygen Demand	5220 B	mg/L	BDL	-	-

*Note : BDL-Below Detection Level*

**Inference** As per IS 10500:2012 Specification , the analyzed value for above measured parameters are within the permissible li

*Note:*

- The results listed above pertain only to the tested samples and applicable parameters.
- Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified.
- Total liability of our laboratory limited to the invoiced amount.
- This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission Subject to Mysore Jurisdiction.
- Sampling is not done by us unless otherwise specified. Any discrepancy in the test report should be notified within 15 days.
- For any complaints kindly register in our complaint Register maintained with our compliance coordinator.

ANALYSED BY  
(Rashmishree)  
Chemist

SECTION  
ACCOUNT OFFICER  
ASST. ADMN. OFFICER

SIGNATURE  
*[Signature]*

DATE  
31/3/21

MYSURU

AUTHORIZED SIGNATORY  
(Shivanand Shanabhogar)  
Technical Manager

No. 2415  
Date 31/3/21

- The water outlet from RO plant is collected separately and used for watering the plants in the garden.
- Awareness program on the usage of water, minimizing the usage and the importance of water as it is the elixir of life was clearly explained during the program.

## 12.GREEN CAMPUS INITIATIVES

### WATER DISCHARGES TO UPHOLD WATER QUALITY TO PROTECT ECOSYSTEMS, WILDLIFE, AND HUMAN HEALTH AND WELFARE

Recycled water , rejected from main RO plant of the campus is collected in 10000 ltr capacity plastic tank and by pumping water is used for landscape areas.







College and Hospital of JSSAHER has a structured policy for green campus and maintenance of sanitation in the college and hospital premises.

### **Water conservation program**

- Sensitizing the staff and students
- The students arriving on campus and at the hostels are sensitized about water conservation in their orientation meetings. Printed stickers/labels with the slogan 'Save Water' are fixed in strategic places of the college and hostels.
- Cutting back on car washing
- The vehicles on the campus are washed based on the real needs rather than regular washing to save water.
- Irrigation Techniques and Dual Flushing Systems
- The gardens are irrigated with sprinkler systems to save the wastage of water in plantations.

### **Recycle programs**

- Green wastes, like tree and bush trimmings, are composted and reused for fertilizer and preparation composts.
- Food waste is also cut down by implementing self-serving of food by the students, so they aren't tempted to waste food. Further, the food remains are collected systematically and used for preparing composts manure in the dig wells which is used for gardening purposes. Hazardous solvent systems are recycled/disposed of safely.
- The wastewater from the utility areas of the hostels and the college are subjected to treatment before being flushed into the public drainage system.

## **Green Policy for the use of papers**

- The college encourages the practices like double-sided printing and the usage of one-side papers for taking printouts.
- All the internal notifications and circulars are communicated in electronic formats (e-Tapaal).

The Institution also has included a subject Environmental Sciences in all courses as stipulated by UGC and organizes Environment Day and Water Day. The Institution believes in preserving traditional medicine and has established medicinal plants garden and promotes eco-friendly cultivation practices by organizing medicinal plants exhibition in JSS Urban Health Centre. To meet the needs and sustainable management of fresh water, the rainwater harvesting, and utilization systems have been established in all the campuses of the university to aid towards the greater objectives of water management and conservation and increasing recharge of groundwater by capturing and storing rainwater, rainwater harvesting from rooftop run-offs and natural water bodies and the community development. The below mentioned models are established in the various buildings based on the size of the building and the extent and topography of the land.

- Simple roof water collection systems - Most of the rooftop rainwater harvesting has been completed by constructing five water storage structures with a storage capacity of 1000 m<sup>3</sup>.
- Land surface catchments – a simple way of collecting rainwater by retaining the flows (including flood flows) of small creeks and streams in small storage reservoirs (on surface or underground) created by low-cost dams
- Collection of storm water – The surface runoff collected in storm water ponds/ reservoirs is subject to a wide variety of contaminants and every effort is made to keep these catchments clean.
  - Rain water harvesting and retention facility in the campus
  - Collection of storm water and every effort is made to keep these catchments clean.
  - Save water reminders

## **Smart Campus Initiatives**

- Replacement of 50% of regular bulbs with LED bulbs
- Landscaping around the college
- Providing water purifiers in every floor of the institution
- Initiation of G health Digital store software
- Installation of two effluent treatment plants
- Software for patient management and payment

## Objectives

1. Alternatives to animal testing
2. Medicinal plants and uses
3. 3R's Principles in research
4. CPCSEA and ICH guidelines for conducting research.
5. Green initiatives to save environment

List of activities planned to achieve the set objectives

1. Conducting awareness programs on green initiatives like rain water harvesting and use of solar energy
2. Seminar on alternatives to animal experimentation
3. Reduce and replace usage of plastics
4. Training students in proper waste disposal practices and sensitizing them on using the services of biomedical disposal certified agencies.
5. Encourage students for planting trees and animal adoption.

Poster competition, essay writing competition, role play on World Environment Day celebration



The University works directly to maintain and extend the existing ecosystems in the Nilgiris Biosphere. The biodiversity of medicinal plants is conserved within the college premises. The college campus possesses a lush green campus with seasonal trees and maintenance of the garden has been done from time to time to keep it neat and clean. A total of 86 species of trees and plants are on the campus. No Trees on the campus are cut down and green resilience is promoted by the College Smart Campus committee. The colleges has herbal garden where many medicinal plants are displayed which provides the fresh air and relives from the ailments.

The Masters Programme offered by the college that is M.Pharm in Pharmacognosy has curriculum which elaborates on the conservation of biospheres of medicinal value and the importance of cultivation of such rare medicinal plants.




<https://jssuni.edu.in/JSSWeb/WebShowFromDB.aspx?MODE=SSMD&PID=10002&CID=6&DID=5&MID=0&SMID=10402>



## USE OF DROUGHT-TOLERANT PLANTS IN GARDEN TO MINIMIZE WATER USAGE

JSSAHER Campus has six variety of drought – tolerant plants/ trees which are grown at multiple places in our garden area.

The details of plants and their images are shown below:

<p><b>BOTANICAL NAME:</b> Cineraria martima</p> <p><b>FAMILY</b> : Compositae</p> <p><b>PARTS USED</b> : Whole plant</p> <p><b>USES</b> : Eye problem, Cataract</p>	 A photograph of a Cineraria martima plant, showing its characteristic silvery, lobed leaves and small white flowers.
<p><b>BOTANICAL NAME:</b> Aloe vera</p> <p><b>FAMILY</b> : Liliaceae</p> <p><b>PARTS USED</b> : leaves</p> <p><b>USES:</b> Laxative and purgative</p>	 A photograph of an Aloe vera plant, showing its thick, green, succulent leaves growing from a central base.
<p><b>BOTANICAL NAME</b> : Artocarpus herterophyllus</p> <p><b>FAMILY</b> : Moraceae</p> <p><b>PARTS USED</b> : Roots,fruits,wood and latex</p> <p><b>USES</b> : Skin disease, Anthelmintic, Stomach compliant</p>	 A photograph of an Artocarpus herterophyllus tree, showing its thick, gnarled trunk and several large, green, heart-shaped fruits hanging from the branches.

**BOTANICAL NAME :** *Coleus blumei*  
**FAMILY :** Labiatae  
**PARTS USED :** Leaves  
**USES:** Aromatic,Carminative,Emmenagogue



**BOTANICAL NAME :** *Azadiracta indica*  
**FAMILY:** Meliaceae  
**PARTS USED:** Leaves and oil  
**USES:** Bitter tonic, Antiseptic, Anthelmintic



**BOTANICAL NAME :** *Terminalia arjuna*  
**FAMILY:** Combrataceae  
**PARTS USED:** Bark  
**USES:** Cardiotonic,Astringent



## HOME FOR ENDANGERED SPECIES IN JSS AHER CAMPUS

JSS AHER is a green campus with nearly 2400 trees turning the campus into bird habitat. The campus has accommodated nearly 30 species of birds of which few are having biological importance. The common bird species found in the campus are Rock pigeon, common myna, crow, sparrows, Brahminy Kite and, red naped ibis spotted owl. The other important species include Indian grey hornbill, black-necked ibis and Indian spotted eagle are of threatened /near threatened categories have footfall in the campus. Most spotted species in the campus are:

Indian spotted eagle:This bird is the largest south Asian bird predator, with 60cm in length and 150cm wingspan. It is a vulnerable species found in the South Asian region. Prominent white spots in the brown feather are identification marks. This can usually fly high and can be found on high raised buildings; sighted on the top of the Medical College building, on any time of the day.

Spotted owl:Small owl found in tropical Asia and mainland of India found in hollows or cavities of trees. These are often found near human settlements for the availability of prey base. Prominent white spots on the grey brown feather fetches the name spotted owl. These are least concerned species according to IUCN. This bird was spotted at FLS parking lot.

Indian Gray hornbill:

Common hornbill found in Indian subcontinent, always sighted in pairs. Name of the bird come from the structure on the beak. The color of the bird is usually gray found on large trees in urban regions. At campus, these birds are sighted near FLS Parking Lot.

Brahminy Kite:Bird found in Austrails and south Asia, Species found in India are *Haliastur indus indus*. It is a predatory organism, depends on fish, small animals like rat, snakes. They are usually flying around Medical college, preying on animals and insects during the daytime.

Scaly breasted munia:Also called as Nutmeg mannikin, categorized as least concerned species under IUCN. Identification marks include prominent feather markings on breast and belly. These birds are usually sighted near JSS Dental College in the evenings.

Black headed Ibis:Indian White Ibis or Black necked Ibis are found in the south and southeastern parts of Asia. Adults measure about 65-75 cm in length with distinct white body and neck and beak are black whereas juveniles are grey in color. They are usually sighted during monsoon season; at our campus Black necked Ibis were spotted near water hole in front of JSS Dental College in the early mornings.

Other Birds found in the in the campus are:

1. Red vented Bulbul
2. Purple sunbird
3. Red Whiskered bulbul
4. Purple ramped sunbird
5. Cattle egrat
6. Rose ringed parakeet
7. Laughing dove
8. Common Myna
9. White cheeked barbet
10. Common Kingfisher
11. Greater coucal
12. Asian koel
13. Oriental megpin robin
14. Pond heron
15. Red wattled lopwing
16. Indian golden oriole
17. Indian robin
18. Wagtail Sp.
19. Tailor Bird
20. White rumped munia
21. Little egrat
22. White throated kingfisher
23. Woodpecker sp
24. Coppersmith barbet



## THE CONSERVATION TREE PLANTING PROGRAM AT JSSAHER

### JSSAHER Campus - Home for thousands of species

The teak forests are under pressure because of the high value of teak timber. The teak tree forests are also suffering from overexploitation and conversion to agricultural land. JSSAHER protects and preserves the teak forests remain at its Campus in Mysore as a part of its conservation strategy. This Teak Tree Forest is a home for thousands of living species helping the life on land.

The conservation tree planting program of JSSAHER , distributing trees and shrub seedlings every a year to student volunteers to plant them in the biosphere of NSS and outreach activities. This group works to plant trees and conserve forests across the Mysore and Nilgiris District.

Tree plantation is one of the major activities along with vermicomposting and development of sustainable technology for water treatment and wastewater reclamation technology that using natural sunlight as an alternative driving energy are the main activities at JSSAHER to support life on land.

Small shrubs are planted in the garden in the campus to hold back the garden side yard, which hold back water and sand. Thus, avoiding soil erosion and water logging preventing the loss of trees and plant during monsoon rainy season. The campus gives high priorities for repairing storm damaged trees and immediate replacement of fallen trees.



## AWARENESS ON TREE PLANTATION AND BIO CONSERVATION WITH VALUE ADDITION TO WATER USAGE

NSS Volunteers along with the official of the Forest Department organized the “Tree Plantation Program” under the scheme of “Jalasakthi Abiyan” to create an awareness on tree plantation in Thalaikunda forest area which was initiated by The Nilgiris District Collector and Assistant Conservative Forest officer.

The awareness and plantation of indigenous and solar grass varieties in The Nilgiris Library which was organized by the Youth Red Cross. Thirty NSS Volunteers were took part in that event and planted the indigenous and solar grasses in The Nilgiris Library.

Dental screening program was conducted at PUM School in association with the JSS Dental College, Mysuru at Mayor. About 7 of our JSSCPO NSS volunteers actively participated in this outreach program. Around 100 members of that village were benefited the dental screening program.

The NSS Volunteers were participated in “Tea Promotion Campaign” organized by the Tea Board India which was held at Tribal Resource Centre and we have got third prize in the event. This event was initiated by the District Assistant Collector.



















## TREES IN CAMPUS

Sl.no	Particulars	Varieties of Trees	Total No of Trees
1	JSSMI Campus	52	2397
2	JSSCPM Campus	28	182
3	JSSCPO Campus	11	249
4	SLS Ooty	9	110
	<b>Total</b>	<b>99</b>	<b>2938</b>

## THE DETILS OF DIFFERENT TYPES OF TREES EXISTING AT JSS AHER CAMPUS

Sl.No	Scientificname	Common name	Total no's	Uses
1	Morinda coreia	Indian mulberry	10	The bark is tonic, astringent, febrifuge and antiseptic.
2	Roystonea regia	Royal palm	67	Landscape usages
3	Pithecellobium dulce	Monkey pod	25	Leaf decoction is taken for leprosy, jaundice and for proper growth of hairs. Plant paste is applied for poisonous bites.
4	Terminalia arjuna	White murdah	05	Bark decoction is the best cardiac tonic and highly recommended for nervous debility. It also helps to reduce high blood pressure.
5	Terminalia catappa	Indian almond tree	07	Bark powder is used as tooth powder in case of gum diseases, mouth ulcers and thrush in tongue. Leaves cooked with rice are eaten for gastritis.
6	Araucaria columnaris	Christmas tree	04	Landscape usages
7	Pongamia pinnata	Hongay oil tree	64	Bark cooked with rice is eaten for three days in case of uterine diseases and conception failure. Bath with leaf decoction is recommended for arthritis and rheumatism.
8	Grevillea robusta	Southern silky oak	56	Ornamental Fuel
9	Azadirachta indica	Neem	52	Bark powder is recommended for septic wounds. Neem oil is applied for healing wounds and ulcers.
10	Albizia lebbek	East Indian walnut	28	Seed decoction is given for piles and to stop purgation. Leaf and bark powder are applied for ulcers as well as snake bite.
11	Swietenia mahagoni	West Indian mahogany	14	Timber
12	Cocos nucifera	Coconut	70	Tender coconut water is the antidote for indigestion caused by beaten rice. Paste of leaf ash fried with ghee is applied for old chronic ulcers and wounds
13	Areca catechu	Areca nut palm	20	Decoction made of its root, Cocos nucifera root and salt are used as a gargle for toothache. Young fruit (ground) is given as a sour agent for thrush in tongue.
14	Delonix regia	Royal gulmohur	17	Antispasmodic and antirheumatic.

15	Ficus benghalensis	Banyan tree	02	White terminal portion of prop root ground in milk is given for burning sensation and is a general tonic. Paste prepared from its bark, castor oil, bee wax and turmeric are used as a quick healer for cracks in feet.
16	Ficus racemosa	Cluster fig	02	Fruit juice is used for gastritis. Bark paste is applied to ulcers or boils on body due to excessive heat.
17	Cyphomandra betacea	Tree tomato	10	Antioxidant
18	Wrightia tinctoria	Pala indigo	02	Leaf paste is filled into dental cavities for toothache and cavities. Leaf paste in coconut oil is applied for skin diseases.
19	Bauhinia purpurea	Butterfly tree	03	Stem bark decoction is given for diarrhoea, ulcers, swellings, leprosy, cough and menstrual irregularities
20	Lagerstroemia microcarpa	Virgin tree of the forest	02	Leaf or young shoot tip paste is applied for cuts, wounds and for skin diseases
21	Albizia amara	Bitter albizia	02	Medicinal and agroforestry
22	Ficus religiosa	Peepal tree	08	Young shoot tip ground and boiled in milk is given for dysentery and amoebiasis
23	Millingtonia hortensis	Indian cork tree	42	Bark decoction is recommended internally for fever, cold, indigestion and diarrhoea
24	Acacia catechu	Red cutch	01	Twig is used as toothbrush for strengthening teeth and gums. Bark decoction is used as a gargle for mouth ulcers
25	Plumeria rubra	Temple tree	32	Bark cooked with rice is taken for jaundice, venereal diseases and joint pain
26	Saraca asoca	Asoka tree	171	Bark decoction is used for menstrual problems, dysentery, diarrhoea and as a blood purifier
27	Ficus benjamina	Golden fig	01	Medicinal and agroforestry
28	Artocarpus heterophyllus	Jack fruit tree	07	Fruit is nutritive and it clears excretory system. Seeds are sweet with aphrodisiac action
29	Aegle marmelos	Bael fruit	03	Leaf juice is given to children suffering from stomach-ache. Leaf is eaten for diabetes.
30	Sapindus laurifolia	Soapnut	01	Folk medicine and insecticide
31	Thespesia populnea	Cork tree	05	Fruit and bark decoction is much used to wash for septic wounds and ulcers
32	Prosopis cineraria	Indian mesquite	02	Astringent and coolant
33	Moringa Oficialis	Moringa	28	Astringent and coolant



34	Tabebuia aurea	Caribbean trumpet-tree	40	Ornamental and timber
35	Tamarindus indica	Tamarind tree	09	Leaf decoction is poured over the body parts to relieve rheumatic pain. Steam of boiled fruit juice is given for pain.
36	Phyllanthus niruri	Phyllanthus	02	Protective
37	Cassia javanica	Pink shower	06	Widely planted as an ornamental. The wood is used for general construction, furniture and cabinet making
38	Cassia fistula	Indian laburnum	09	Bark paste is applied for skin diseases. Juice collected from heated fruit is taken to expel intestinal worms
39	Vinca Rosea	Vinca	02	Anticancer
40	Alstonia scholaris	Indian devil tree	01	Bark is used to treat asthma, heart disease, for chronic ulcers, and other ailments. Powder mixed with ginger is given to new mother the first day after birthing to cleanse the blood and promote lactation.
41	Santalum album	Indian sandalwood	08	Sandalwood oil was used traditionally to treat skin diseases, acne, dysentery, gonorrhoea,
42	Callistemon	Bottlebrush tree	17	Antibacterial and ornamental
43	Holoptelea integrifolia	Indian elm	04	Oil prepared from its bark is used for chronic ulcers. Bark paste is applied to the spot of pit viper bite and to arrest bleeding from wounds
44	Hevea brasiliensis	Rubber	04	Rubber and timber
45	Mangifera indica	Mango tree	06	Bark cooked with rice is given for gastritis. Seed kernel ground in butter milk is applied on head for dandruff
46	Michalea champaca	Golden champa	18	Agroforestry, fuels and oil
47	Elaeocarpus ganitrus	Wooden begar	02	Ground seed is given to small children for increasing intellect and memory power. Wearing its seeds as necklace is said to control CNS.
48	Melia dubia	Malabar neem wood	18	Leaf juice or extract is used both externally and internally as a haemostatic agent
49	Annona reticulata	Bullock's heart	01	Fruit is beneficial for tuberculosis. Dried fruit extract is given for dysentery
50	Syzygium cumini	Black plum	02	Seed powder or bark decoction is much used for diabetes. Bark decoction is recommended for ulcers in the mouth, diabetes, and liver disorders
51	Acacia senegal	Acacia	35	Astringent
52	Tectona grandis	Teak	1450	Fresh leaf and fruit extract are applied for mouth ulcers and itches in the body. Seed and flower decoctions are diuretic

### Trees at Off Campus -JSS College of Pharmacy, Ooty

Botanical Name	No. of Plants/Trees
Aesculus indica (Wall. ex <a href="#">Cambess.</a> ) <a href="#">Hook.</a>	7
Araucaria heterophylla ( <a href="#">Salisb.</a> ) Franco	6
Corynocarpus laevigatus <a href="#">J.R.Forst.</a> & <a href="#">G.Forst.</a>	3
Cupressus macrocarpa <a href="#">Hartw.</a>	2
Dracaena draco ( <a href="#">L.</a> ) L.	19
Elaeocarpus oblongus Gaertn.	3
Eriobotrya japonica (Thunb.) Lindl.	1
Exbucklandia populnea (R.Br. ex Griff.) R.W.Br.	2
Grevillea robusta <a href="#">A.Cunn.</a> ex <a href="#">R.Br.</a>	3
Hibiscus rosa-sinensis L.	1
Jacaranda mimosifolia D. Don	7
Michelia nilagirica Zenk.	5
Pittosporum floribundum Wight & Arn.	2
Podocarpus elongates Aiton L'Herit. ex Pers.	20
Prunus persica (L.) Batsch	1
Taxodium mucronatum Tenore	1
Thuja orinetalis L.	3
TOTAL	86

## WASTE MANAGEMENT SYSTEM

### **Waste Management**

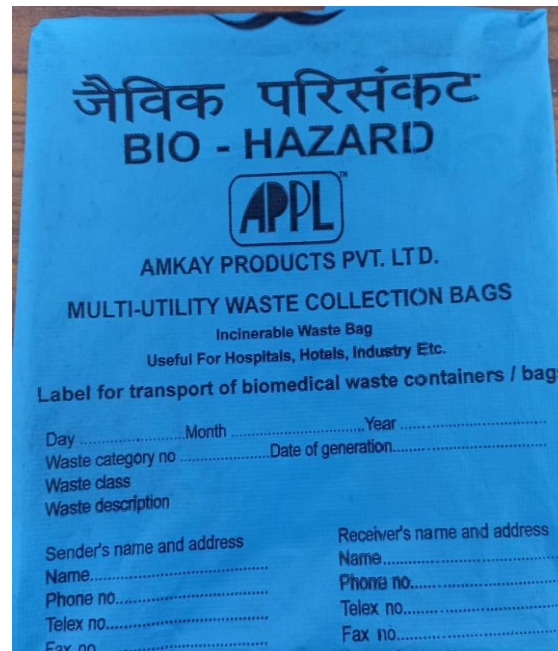
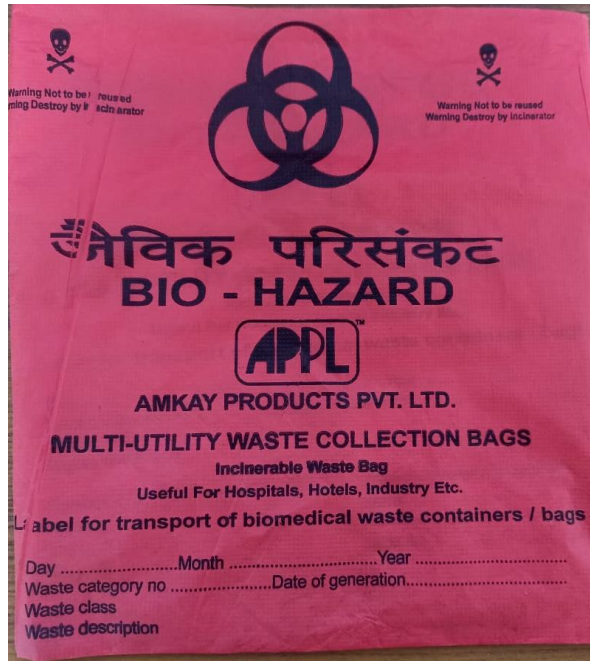
Managing waste in a smarter way is the most important aspect of any organization. For this management for the waste we have Bio-waste management, initiative of plastic free campus with no plastic bottles, Rain Water harvesting management for the reduction of water waste to save more water. Mechanical Chimneys, Fume hoods for chemical reactions and Bio-safety cabinets (Class II type A/B3).



The College follows the Government Gazette on Plastic Free zone in the whole Nilgiris District. The Enlisted items are completely banned within the campus. On, MAY 09, 2018 The Government Policy is abided by the College strictly and no single-use plastic items are used on the campus.

- <https://nilgiris.nic.in/plastic-free-nilgiris/#banned>
- <https://cdn.s3waas.gov.in/s339461a19e9eddfb385ea76b26521ea48/uploads/2022/03/2022032483.pdf>

The garbage waste disposal by the Municipality collects recycle plastic items from Separate bins placed around the campus.



The College has a Biomedical Waste Disposal certificate in accordance with the Nilgiris District Municipality Office. The sanitation team collects the biomedical waste from the campus for incineration process at the Centralized facility at the Government.



**Membership Certificate**



சென்னை மாநகராட்சி உயர்நிலைப்பரீட்சைக் கழகம்



**SOCIETY FOR BIO-MEDICAL WASTE MANAGEMENT (REGD.)  
&IMA - NILGIRIS BRANCH**

REGD NO. 72/2010

No. 1975

Date : 21.07.20...

Received with thanks from Dr./ Messers. J.S.S. College of pharmacy

a sum of Rupees. Fourteen thousand only.

towards Membership fee / Subscription / donation / by cash / \*Cheque / DD

For SOCIETY FOR BIO - MEDICAL WASTE MANAGEMENT

₹ 14,000/-

Hon. Treasurer / Hon Secretary

**Subscription fees paid five years once**

The University also publishes the Waste Disposal in a detailed webpage given in the link.

<https://jssuni.edu.in/jssaaher/jssaaher-infra/institutional-biosafety-committee/ibsc-home.html>

## 13. POLICIES SUPPORTING SDG 15



### **JSSAHER BIODIVERSITY AND CONSERVATION POLICY**

#### **JSSAHER's Policy for Identifying, Monitoring, and Protecting IUCN Red Listed and National Conservation List Species in Campus Areas**

##### **Preamble:**

JSS Academy of Higher Education and Research (JSSAHER) recognizes the critical importance of identifying, monitoring, and protecting species listed on the IUCN Red List and national conservation lists that inhabit areas affected by the operations of the university. This comprehensive policy underscores the institution's commitment to biodiversity conservation and ethical environmental stewardship.

##### **Key Policy Components:**

1. **Identification of Species:** JSSAHER conducts rigorous surveys and assessments to identify species that are listed on the IUCN Red List or national conservation lists and inhabit areas affected by the university's operations.
2. **Habitat Mapping:** The university undertakes comprehensive habitat mapping to delineate areas crucial for the identified species. This mapping is vital for understanding the ecological significance of these regions.
3. **Continuous Monitoring:** JSSAHER commits to the ongoing monitoring of these species and their habitats. This monitoring includes data collection, tracking population trends, and assessing the impact of university activities on these areas.
4. **Habitat Restoration and Conservation:** The institution is dedicated to habitat restoration and conservation efforts. This includes activities such as reforestation, habitat enhancement, and the preservation of critical ecosystems.
5. **Ethical Land Management:** JSSAHER ensures that all land management practices within the campus area are conducted ethically and in a manner that safeguards the natural habitats of these species. This includes responsible construction, resource management, and waste reduction practices.
6. **Biodiversity Education:** The university places a strong emphasis on educating the campus community about the significance of the identified species and their habitats. This educational component fosters a culture of environmental awareness and responsibility.

7. **Collaboration and Research:** JSSAHER actively collaborates with relevant environmental organizations and institutions to further research and conservation efforts related to these species. This partnership approach bolsters conservation initiatives.
8. **Compliance with National and International Regulations:** The university ensures full compliance with all national and international regulations related to the protection and conservation of endangered species. This includes adhering to the Convention on International Trade in Endangered Species (CITES) and other relevant laws.
9. **Regular Reporting:** JSSAHER commits to regular reporting on the progress and results of these conservation efforts. Transparency and accountability are key aspects of this policy.

In essence, JSSAHER's policy for identifying, monitoring, and protecting IUCN Red Listed and national conservation list species in campus areas demonstrates the institution's unwavering dedication to biodiversity preservation. The policy aligns with global and national conservation goals, underscoring the university's role as a responsible steward of the environment. By proactively addressing the impact of its operations on these species and their habitats, JSSAHER sets a high standard for ethical and sustainable land management.

**Objective:** JSS Academy of Higher Education and Research (JSSAHER) is committed to the preservation and protection of biodiversity in all areas affected by its operations. This policy aims to outline the institution's dedication to conserving natural ecosystems, species, and habitats and to establish ethical and responsible practices for sustainable environmental stewardship.

**Policy Components:**

**1. Identification and Assessment:**

- JSSAHER shall conduct regular biodiversity assessments to identify and document species, ecosystems, and habitats present in areas influenced by the university's activities.

**2. Protection of Endangered Species:**

- The institution will actively monitor and protect species listed on the IUCN Red List, national conservation lists, and other endangered species within the campus and adjacent areas.

**3. Habitat Preservation:**

- JSSAHER will safeguard critical habitats and ecosystems within its operational scope, taking necessary steps to prevent their degradation or destruction.

**4. Habitat Restoration and Enhancement:**

- The university will engage in habitat restoration and enhancement activities, including reforestation, wetland preservation, and the restoration of degraded ecosystems.

**5. Ethical Land Management:**

- All land management practices, including construction, infrastructure development, and resource utilization, will be conducted in an environmentally responsible and ethical manner.

**6. Research and Collaboration:**

- JSSAHER shall collaborate with environmental organizations and institutions to conduct research, conservation efforts, and monitoring of biodiversity within its influence.

**7. Biodiversity Education:**

- The institution is committed to educating the campus community about the importance of biodiversity conservation and responsible environmental practices.

**8. Compliance with Regulations:**

- JSSAHER will adhere to all national and international regulations and conventions related to the conservation of endangered species and habitats, including CITES and relevant wildlife protection laws.

**9. Monitoring and Reporting:**

- The university will maintain regular monitoring and reporting mechanisms to track the progress of conservation efforts and share this information with relevant stakeholders.

**Responsibility and Accountability:**

All members of the JSSAHER community, including students, faculty, staff, and administrators, are collectively responsible for adhering to and upholding this biodiversity and conservation policy. The university administration will ensure the implementation of this policy and allocate necessary resources to support conservation initiatives.

**Review and Improvement:**

This policy will be subject to periodic reviews and updates to remain aligned with evolving conservation practices and goals. The institution will strive for continuous improvement in its biodiversity and conservation efforts.

JSSAHER is firmly committed to being a responsible steward of the environment and a leader in biodiversity preservation. This policy underscores the institution's dedication to these principles and serves as a guide for all actions and decisions related to biodiversity and conservation.





## **SUSTAINABLE FOOD SOURCING POLICY OF JSS ACADEMY OF HIGHER EDUCATION AND RESEARCH**

JSS Academy of Higher Education and Research (JSS AHER) places a strong emphasis on sustainability and the responsible sourcing of food on its campus. To ensure that the food served on campus is sustainably farmed, the institution has implemented a robust set of policies and practices, all in alignment with the guidelines and certification from the Food Authority of India.

### **Key Policy Highlights:**

1. **Sustainable Farming Practices:** JSS AHER collaborates with food suppliers and local farmers who adhere to sustainable and environmentally friendly farming practices. These practices prioritize soil health, water conservation, and reduced chemical usage, ensuring the long-term well-being of the land.
2. **Local Sourcing:** Whenever possible, the institution sources food items locally. This approach not only supports local farmers but also reduces the carbon footprint associated with transportation, contributing to sustainability.
3. **Organic and Non-GMO Foods:** JSS AHER is committed to serving organic and non-genetically modified (GMO) foods whenever feasible. These choices promote healthier, chemical-free options for the campus community.
4. **Diversity of Food Sources:** The institution aims to provide a variety of food sources, including fruits, vegetables, grains, and proteins, to ensure a balanced and nutritious diet for its students, faculty, and staff.
5. **Waste Reduction:** JSS AHER has adopted waste reduction practices, including composting and minimizing food wastage, in line with sustainable food management principles. This not only conserves resources but also reduces the environmental impact.
6. **Certifications and Compliance:** The institution ensures that all food suppliers comply with the certification requirements of the Food Authority of India. These certifications verify the quality and safety of the food, guaranteeing that it meets the highest standards.
7. **Awareness and Education:** JSS AHER conducts awareness campaigns and educational programs for the campus community to highlight the importance of sustainable food choices. These efforts encourage informed decision-making and foster a culture of sustainability.

JSS AHER's commitment to sustainable food sourcing is not only about providing nourishing meals but also about upholding ethical and environmentally responsible practices. The institution's policies are designed to ensure that the food served on campus is sustainably farmed, in complete alignment with the certification and guidelines established by the Food Authority of India. This approach not only contributes to the well-being of the campus community but also sets a standard for ethical and sustainable food management.

**Objective:** JSS Academy of Higher Education and Research (JSSAHER) is dedicated to promoting sustainable and ethical food practices on campus. This policy outlines the institution's commitment to sourcing and providing food that is sustainably farmed, in alignment with the certification and guidelines from the Food Authority of India.

**Policy Components:**

**1. Sustainable Farming Practices:**

- JSSAHER will prioritize food suppliers and local farmers who adhere to sustainable and environmentally friendly farming practices. This includes methods that support soil health, water conservation, and reduced chemical usage.

**2. Local Sourcing:**

- Whenever possible, the institution will source food items locally to support regional farmers and reduce carbon emissions associated with transportation.

**3. Organic and Non-GMO Foods:**

- JSSAHER is committed to providing organic and non-genetically modified (GMO) foods whenever feasible. These choices promote healthier, chemical-free options.

**4. Diversity of Food Sources:**

- The university aims to provide a variety of food sources, including fruits, vegetables, grains, and proteins, ensuring a balanced and nutritious diet for the campus community.

**5. Waste Reduction:**

- The institution will actively reduce food wastage through practices like composting and responsible portion management. This minimizes resource consumption and waste generation.

**6. Certifications and Compliance:**

- JSSAHER ensures that all food suppliers comply with the certification requirements of the Food Authority of India. These certifications verify the quality and safety of the food, guaranteeing that it meets the highest standards.

#### **7. Awareness and Education:**

- The university conducts awareness campaigns and educational programs for the campus community to emphasize the importance of sustainable food choices. These efforts encourage informed decision-making and foster a culture of sustainability.

#### **8. Regular Auditing:**

- Periodic audits will be conducted to assess the institution's adherence to this policy and to identify areas for improvement.

#### **Responsibility and Accountability:**

All members of the JSSAHER community, including students, faculty, staff, and administrators, share responsibility for upholding and implementing this sustainable food sourcing policy. The university administration will ensure the provision of necessary resources to support the policy's execution.

#### **Review and Improvement:**

This policy will be subject to regular reviews and updates to stay aligned with evolving sustainable food practices and guidelines. JSSAHER will strive for continuous improvement in its sustainable food sourcing efforts.

In conclusion, JSSAHER's sustainable food sourcing policy underlines the institution's commitment to ethical and environmentally responsible practices. The policy not only supports the well-being of the campus community but also sets a standard for responsible and sustainable food management. By proactively addressing the sustainability of its food sources, JSSAHER acts as a role model for responsible and ethical food practices.



## **JSSAHER WATER QUALITY STANDARDS AND GUIDELINES FOR WATER DISCHARGES UPHOLDING WATER QUALITY TO PROTECT ECOSYSTEMS**

### **Introduction:**

JSS Academy of Higher Education and Research (JSSAHER) is deeply committed to environmental sustainability, and a critical aspect of this commitment is ensuring the preservation and enhancement of water quality in and around its campus. Water, being a finite and invaluable resource, plays a pivotal role in sustaining ecosystems. This policy outlines the comprehensive water quality standards and discharge guidelines that JSSAHER has established to safeguard water resources and protect ecosystems.

### **Policy Components:**

#### **Adherence to Stringent Water Quality Standards:**

JSSAHER is unwavering in its dedication to adhering to national and international water quality standards and guidelines. These standards serve as benchmarks for water quality, encompassing physical, chemical, and biological parameters. The institution strives to not only meet these standards but to exceed them wherever possible.

#### **Regular Water Testing and Monitoring:**

Regular water testing and monitoring are fundamental to the policy's implementation. The institution conducts comprehensive assessments of the quality of water sources within and around its campus. These assessments encompass parameters that include, but are not limited to, turbidity, pH levels, chemical contaminants, and the presence of microorganisms. This ongoing monitoring ensures that deviations from water quality standards are promptly identified and addressed.

#### **Prevention of Pollution:**

JSSAHER places significant emphasis on pollution prevention. To minimize contamination of water sources, the institution promotes responsible waste management practices, including the proper disposal of hazardous materials, chemicals, and other pollutants. Pollution prevention measures are incorporated into the daily operations of the campus.



### **Responsible Water Discharge:**

All water discharges originating from various campus activities, including wastewater, stormwater, and cooling water, are managed responsibly to prevent any form of contamination of natural water bodies. Proper treatment and containment measures are in place to ensure that water discharges meet the prescribed quality standards.

### **Sustainable Land Use Practices:**

Ethical and sustainable land use practices are essential to maintaining water quality and protecting surrounding ecosystems. Preventing erosion, runoff, and the inappropriate use of land resources are integral components of the policy. These practices are aimed at preserving natural water bodies and the habitats they support.

### **Education and Awareness:**

JSSAHER actively engages in educational efforts to raise awareness within the campus community about the significance of water quality. Through awareness campaigns, workshops, and educational programs, the institution fosters a culture of water conservation and environmental responsibility. This education empowers individuals to make informed decisions regarding water use.

### **Regular Auditing and Continuous Improvement:**

The institution undertakes regular audits to assess the adherence to water quality standards and guidelines. Audits not only ensure compliance but also provide opportunities for identifying areas that require improvement. The policy is subject to periodic reviews and updates to stay aligned with evolving water quality practices and guidelines. This commitment to continuous improvement underscores the institution's dedication to maintaining water quality and environmental sustainability.

### **Responsibility and Accountability:**

All members of the JSSAHER community, including students, faculty, staff, and administrators, are collectively responsible for upholding and implementing this water quality policy. The university administration plays a pivotal role in ensuring the provision of necessary resources to support the execution of the policy. Responsibility and accountability for maintaining water quality extend to every individual associated with JSSAHER.

### **Conclusion:**

In conclusion, JSSAHER's Water Quality Standards and Guidelines for Water Discharges represent a holistic approach to environmental responsibility and sustainability. The policy is a testament to the institution's commitment to not only meeting regulatory standards but exceeding them to protect and enhance the quality of water resources. By upholding stringent water quality standards, promoting pollution prevention, practicing responsible water discharge, and fostering education and awareness, JSSAHER demonstrates its dedication to protecting ecosystems and preserving water resources for future generations. This policy is more than a statement of intent; it is a roadmap for responsible water management and environmental stewardship.

## 14. RESEARCH PROJECTS FUNDED BY JSS AHER FOR SUPPORTING SDG 15

1. A comprehensive approach to explore the anti diabetic potential of bioactive peptides from colostrum- Principal Investigator: Dr A.M. Satish
2. A study on antidiabetic and probiotic potential of Lactobacillus isolates from food sources- Principal Investigator: Dr Kalabharathi.H.L
3. Studies on cow colostrum bioactive peptides as a modulator of peroxisome proliferator-activated receptor- $\gamma$  (PPAR- $\gamma$ ) targeting obesity and metabolic disorders- Principal Investigator: Dr Manu G
4. Development of antidiabetic bioactive peptides from cow colostrum- Principal Investigator: Dr. Nagma Firdose
5. Characterization of NRF2 modulating anticancer agents from Anacyclus pyrethrum root- Principal Investigator: Dr. Jayanthi M.K
6. Screening of anticancer activity of Ayurvedic formulations on breast cancer cell lines- Principal Investigator: Dr. Pushpa.V.H
7. Preclinical evaluation of the therapeutic potential of olfaction for treating dementia- Co-Principal Investigator: Dr. M.V.S.S.T. SubbaRao
8. Molecular mechanism underlying high fat diet (HFD)- induced hepatocellular carcinoma (HCC): specific role of TNF- $\alpha$  converting enzyme (TACE) and apoptosis antagonizing transcription factor (AATF)- Principal Investigator- Dr. Divya P. Kumar
9. Targeting Key Signaling Cascades Using D-Formin (A Combination of Vitamin-D and Metformin) For Inhibiting Carcinomas Of Breast In Vitro And In Vivo- Principal Investigator- Dr. M.V.S.S.T. SubbaRao
10. The role of RNA-induced silencing complex in the development and progression of Nonalcoholic Steatohepatitis and Hepatocellular Carcinoma: The molecular intervention using natural compounds- Principal Investigator -Dr. Prasanna Kumar S.
11. Therapeutic Targeting of AATF in Nonalcoholic Steatohepatitis (NASH)- Principal Investigator- Dr. Divya P Kumar
12. Dr Meenakshi S, Lecturer, Dept. of Prosthodontics and Crown & Bridge. Experimental comparative evaluation between chlorhexidine mouthwash and oral life botanical oral rinse on improving the oral health of institutionalized elderly. Funded by Group Pharmaceuticals Ltd., Bangalore. Amount 3.45L
13. Dr Sushama R, Lecturer, Dept. of Public Health Dentistry. Hospital Waste Management before and during COVID-19 Scenario in Mysuru District. Funded by ICMR. Amount 9.35
14. Dr Raghavendra Shanbhog, Reader, Dept. of Pedodontics & Preventive Dentistry. Machine learning based smart mobile application for detecting clinical dental fluorosis. Funded by BIRAC. Amount 10.00.
15. Dr B Nandlal Prof., & HOD, Dept. of Pediatrics & Preventive Dentistry. An observational study of genomics and sialic acid in oral samples of children receiving multiple blood transfusion and on oral chelators. Funded by ICMR. Amount 10.76509

16. Dr Indira M D, Lecturer, Dept. of Pedodontics & Preventive Dentistry. Oral health status and oral health related quality of life among children born preterm- A cross sectional study. Funded by ISPPD. Amount 0.25
17. Dr Chanchala H P, Lecturer, Dept. of Paedodontics and Preventive Dentistry. Development and evaluation of Nano sponge loaded therapeutic oral wipes. Funded by JSSAHER. Amount 0.50
18. Dr Mahesh K P, Reader, Dept. of Oral Medicine. A proteomics-based salivary biomarkers panel for the diagnosis and prognosis of head and neck cancers. Funded by JSSAHER. Amount 3L
19. Dr Prathibha Shashikumar Reader, Dept. of Periodontology Clinical evaluation of photodynamic therapy using indocyanine green loaded chitosan nanoparticles, as an adjunct to non-surgical periodontal therapy in patients with chronic periodontitis"- A randomized controlled trial. Funded by JSSAHER. Amount 3L
20. Dr Sheelakumar Gujjari, Professor, Dept. of Periodontology. Evaluation of cinnamon mucosal patch on candida albicans in diabetic patients with chronic periodontitis. Funded by JSSAHER. Amount 3L
21. Dr Jerusha T, PG Student , Guide: Dr Suma S, Reader, Dept. of Orthodontics A novel oral bio-adhesive formulation incorporated with nano hydroxyapatite and acorus calamus rhizome extract to combat white spot lesion-a randomized controlled trial. Funded by JSSAHER. Amount 0.25
22. Dr Manoj Premraj, PG student, Guide: Dr Swathi Kumareswar. Course co-ordinator, Dept. of Forensic Odontology. A cross sectional study on morphometric variations of the nasal parameters Funded by JSSAHER. Amount 0.25.
23. Dr Viveka S, PG Student. Guide: Dr Mahesh K P. Reader. Dept. of Oral Medicine & Radiology. Role of CBCT in assessing the position of nerve for predicting nerve dysfunction in postoperative patients with mandibular fractures-An observational study. Funded by JSSAHER. Amount 0.25
24. Dr Shiny A, PG Student, Guide: Dr Jaishankar H P, Reader, Dept. of Oral Medicine & Radiology. Evaluation of anastomosis canal in maxillary sinus walls using CBCT in South Indian Population. Funded by JSSAHER. Amount 0.25.
25. Dr Lakshminarayana K S, PG Student. Guide: Dr Karthikeya Patil. Prof., & HOD, Dept. of Oral Medicine & Radiology. Cone beam computed tomographic anatomization of nasopalatine canal – A descriptive study Funded by JSSAHER. Amount 0.25
26. Dr Hiba Abdullah, PG Student, Guide: Dr Nitin V Muralidhar, Reader, Dept. of Orthodontics. MALDI-TOF based identification and molecular characterization of oral microbiota in orthodontic patients Funded by JSSAHER. Amount 0.25.

## 15. RELATED PUBLICATIONS SUPPORTING SDG 15

1. Karthikeya Patil, Sanjay C J, Viveka S, Nagabhushana Doggalli, Aishwarya R - Effectiveness of topical application of honey in the management of radiation induced oral mucositis - Journal of Indian Academy of Oral Medicine and Radiology - Apr-Jun 2022;34(2):141-145. ISSN: 1972 - 1363, National. In Alignment with SDG Goal 15
2. B Rudraiah Chandrashekar, B C Manjunath, S Suma - Public Health Dentists as Nodal-Officers for Effective Implementation of National Health Programs - A Proposed Model - Journal of Indian Association of Public Health Dentistry - Apr-Jun 2022;20(2):120-124. ISSN: 2319 - 5932, National. In Alignment with SDG Goal 15
3. Samhita Bijlani, Raghavendra Shanbhog, Brinda Suhas Godhi, Priyanka Talwade, H M Tippeswamy - An in vitro evaluation of ice apple water, Aloe vera, and propolis as a storage medium to preserve viability of human periodontal ligament fibroblasts - Journal of Indian Society of Pedodontics and Preventive Dentistry - Apr-Jun 2022;40(2):195-200. ISSN: 0970-4388, National. In Alignment with SDG Goal 15
4. Suma S, Chandrashekar B R, Raghunath N, K Mruthyunjaya, Pradeep S - Traditional anti-inflammatory and bone regenerative herbal extracts in orthodontic painnet care - A review of the current scenario and its future needs - ACTA Scientific Dental Sciences - Jun 2022;6(6):93-99. ISSN: 2581-4893, National . In Alignment with SDG Goal 15
5. M B Ravi, Sowmya Srinivas, K N Raghavendra Swamy, Anupama A, Akanksha Roy, Gowrav M P, Raghu Ram Achar - Influence of Domestic Exposure to Polycyclic Aromatic Hydrocarbons on Women's Periconceptional Stage and Associated Risk of Oral Cleft of Offspring - Journal of Pharmacy and Bioallied Sciences - Jul 2022;14(1):S589-S594. ISSN: 0976 - 4879, National. In Alignment with SDG Goal 15
6. Sowmya Srinivas, M B Ravi, Keerthi Ram, Jaishankar Homberhalli H P, Manjunatha S Nagaraja, M P Gowrav, Ramesh KSV - Antibacterial efficacy of Hubballi Propolis against Aggregatibacter Actinomycetemcomitans One of the Major Causative Organisms of Perimplantitis: An In vitro study - Journal of Pharmacy and Bioallied Sciences - Jul 2022;14(1):S595-S599. ISSN: 0976 - 4879, National. In Alignment with SDG Goal 15
7. Swet Nisha, Shaswata Karmakar, Srijita Das, Debapratim Jana, Nada Musharraf Ali, Pratibha Shashikumar - Comparison of Chlorhexidine and Hydrogen Peroxide as Preprocedural Mouthrinse during Ultrasonic Scaling: A Triple-Blinded Randomized Controlled Clinical Trial - Journal of Pharmacy and Bioallied Sciences - Jul 2022;14(5):S110-S114. ISSN: 0976-9879, National. In Alignment with SDG Goal 15
8. Ravikant Shekhar, Madhusudhan MC, Sanjay CJ, Prakash H S and Geetha Nagaraja - In vitra anti-lipid peroxidation and anti-candidal potentials of different betel leaf varietis - Journal of Medicinal Plants Studies - Jul-Aug 2022;10(4):140-149. ISSN: 2394-0530, National. In Alignment with SDG Goal 15
9. Seema Deshmukh, Sowmya Srinivas, Sushma Rudraswamy, Nagabhushana Doggalli, Raghavendra Swamy KN Indira M D - Nature's Natural Antimicrobial Agent "Propolis Nanoparticle"-Mini Review - Acta Scientific Dental Sciences - Aug 2022; 6(8):121-124. ISSN: 2581-4893, International. In Alignment with SDG Goal 15
10. Aparna Vijayan M, Mahesh K P, Karthikeya Patil - Assessment of Lornoxicam as a mouth dissolving film in management of post extraction pain - A randomized control trial - Journal of Indian Academy of Oral Medicine & Radiology - Jul - Sep 2022;35(3):263-267. ISSN: 0972-1363, National. In Alignment with SDG Goal 15



11. Lakshmikanth S Reddy, Chandrakanth H V, Kumar Pooswamy, Usha Hegde, Vidya G D, Priyanka N, B M Balaraj, Nagabhushana Doggalli - Histological assessment of cellular changes in post mortem keratinised and non keratinised oral epithelial samples at different time intervals - South India Medicolegal Association - Sept 2022;14(2) :95-103. ISSN: 0974-6196, National. In Alignment with SDG Goal 15
12. Mayuri Vajawat, Deepika Pawar Chandrashekara Rao, G S Vijay Kulli Gangulappa Rajeshwari, Manohar Sharma Hareesha - Local delivery of hyaluronic acid as an adjunct to scaling and root planning in the treatment of chronic periodontitis in smokers and non smokers: A clinical and microbiological study - Journal of Indian society of Periodontology - Sep-Oct 2022;26(5):471-477. ISSN: 0972-124X, National. In Alignment with SDG Goal 15
13. Mahesh K P - Theranostics as a management oral cancer - A ray hope - Acta Scientific Cancer biology - Oct 2022; 6(6):16-18. ISSN: 2582-4473, International. In Alignment with SDG Goal 15
14. Vidya G Doddawad, Shivanand S, Vidya C S, Madhu B, B M Gurupadayya - Insight on synsepalum dulcificum: A bioactive compound on taste modification and its biological properties - International Journal of Nutrition, Pharmacology, Neurological Diseases - Oct 2022; ISSN :2231-0738, National. In Alignment with SDG Goal 15
15. Godhi Brinda S; Beeraka Narasimha M; Buddi, Jai Shankar H Putta; Mahadevaiah, Sumana; Madhunapantula, Subbarao V - Updates in the analytical isolation of Indian propolis chemical constituents and their role in dental pharmacology - A review - The Natural Products Journal - Nov 2022; 12 No 7(12):77-88. ISSN: 2210-8155, International . In Alignment with SDG Goal 15
16. NC Krupa, HM Thippeswamy, BR Chandrashekar - Antimicrobial efficacy of Xylitol, Probiotic and Chlorhexidine mouth rinses among children and elderly population at high risk for dental caries - A Randomized controlled trial - Journal of Preventive Medicine and hygiene - Nov 2022; 63:E282-E287 ISSN: 2421-4248, International . In Alignment with SDG Goal 15
17. Sangeetha R, Premalatha B R, Mithilesh N Mishra, Vidyadevi Chandavarkar - Laughter Yoga Therapy for health care professionals and students - A recommendation - Bangalore Dental Journal - Oct-Dec 2022; 5(2): 6-8. ISSN: 2278-6686, National. In Alignment with SDG Goal 15
18. Girish Madarahalli Shankarguru, Ranju Manjusha Bhaskaran, Nandlal Bhojraj, Indira Mysore Devraj - Evaluation of Antimicrobial Efficacy of Coconut Oil and Low-fluoride Mouthwashes against streptococcus mutans in Children: A comparative clinicomicrobiological study - World Journal of Dentistry - Nov-Dec 2022;13(6):562-567. ISSN: 0976 - 6006, International . In Alignment with SDG Goal 15
19. Dayanarayana U, Doggalli N, Patil K, Rudraswamy S, Srinivas S, Manjunath M - Study of Lip Prints patterns as an aid for Gender determination in South Indian population - Journal of Indian Academy of Forensic Medicine - Oct-Dec 2022; 44(4): 38-42. ISSN: 2278-4748, National. In Alignment with SDG Goal 15
20. Soumee Sengupta, S.Ganesh, S. Meenakshi, Raghavendra M Rao, K N Raghavendra Swamy - Gender-based predilection for the microbial load of Aggregatibacter actinomycetemcomitans present in anterior versus posterior implant sites: A preliminary observational study - Journal of Dental Implants - Jul - Dec 2022; 12(2): 95-105. ISSN: 0974-6781, National. In Alignment with SDG Goal 15
21. R Sathish BDS, MDS, Varun Shukla BDS, MDS, Sujeeth Kumar Shetty BDS, MDS - Is Chitosan Dental Dressing Better Than Cotton Gauze in Achieving Hemostasis in Patients on Antithrombotics? - Journal of Oral and Maxillofacial Surgery - Dec 2022; 80(12):. ISSN: , International. In Alignment with SDG Goal 15

22. Savitha Satish, Sushma Rudraswamy, Jai Shankar Puttabuddi Hommerhalli, Nagabhushana Doggalli, Sunitha S, Sowmya Srinivas - An Exploratory Insight into Public's Perception and Preference of Mouthwash during COVID-19 Pandemic - University Journal of Public Health - Dec 2022;10(6):569-575. ISSN:2331-8880, International. In Alignment with SDG Goal 15
23. Tanvi Tekwani, Sunila Bukanakere Sangappa, Subbarao V Madhunapantula, Tejashree Anantha Balraj Urs - Evaluation of antifungal activity of moringa oleifera seeds on oral candida isolated from type 2 diabetic and nondiabetic complete denture wearers - World Journal of dentistry - Dec 2022; 13(2): S225-S230. ISSN: 0976-6006, International. In Alignment with SDG Goal 15
24. Soumee Sengupta, S.Ganesh, S. Meenakshi, Avinash Singh Bettahalli, Raghavendra M. Rao, K N Raghavendra Swamy - Comparative evaluation of the antibacterial activity of red diode laser therapy and 0.2% chlorhexidine against aggregatibacter actinomycetemcomitans on implant healing abutments: An ex vivo study - The Journal of Indian Prosthodontic Society - Jan-Mar 2023; 23(1): 95-105. ISSN: 0972-4052, National. In Alignment with SDG Goal 15
25. Sreeshyla H S, Jaishankar HP, Hegde U, Shashidara R - Virtual awareness programme - Way to curb the tobacco menace and oral cancer? - Oral and Maxillofacial Pathology Journal - Jan - June 2023; 14(1): 1-2. ISSN: 0976-1225, National. In Alignment with SDG Goal 15
26. Radhika Krishnan, Meenakshi S, K N Raghavendra Swamy, Anupama Aradya - Evaluation of shear bond strength of high molecular chitosan nanoparticle incorporated heat polymerized polymethyl methacrylate denture base resin with acrylic resin teeth: An in vitro study - Materials Today - Feb 2023; 75 (s): 77-84. ISSN: 2214-7853, International. In Alignment with SDG Goal 15
27. Dr Moitri Ojha, Dr Deepika Pawar Chandrashekar Rao, Dr Chandan S - Antiplaque efficacy of essential oils as compared to chlorhexidine gluconate - A prospective clinico - microbiological study - Saudi Journal of Oral and Dental Research - Feb 2023; 8(2): 82-88. ISSN: 2518-1300, International. In Alignment with SDG Goal 15
28. Snigdha Maity, Vidya Priyadarshini, Swet Nisha, Pratibha Shashikumar - Periosteal pedicle graft: A leading technique for the treatment of single and multiple recession defects: A case series - Journal of Datta Meghe Institute of Medical Sciences University - Feb 2023; 17(4): 949-953. ISSN: 0974-3901, National. In Alignment with SDG Goal 15
29. Shivanand S, Vidya G Doddawad, Aditya Shetty, Varsha V K - ABO Blood group detection in teeth from cadaver: A modified absorption - elution technique - Research Journal of Pharmacy and Technology - Feb 2023; 16(2): 858-862 . ISSN: 0974-3618, . In Alignment with SDG Goal 15
30. S Shivananda, Vidya Gowdappa Doddawad, C S Vidya, C J Sanjay, Akhil Shetty, Sowmya Halasabalu Kalgeri, H Hari Kishore Bhat - The Use of Spilhanthes acmella extracts as a local anesthetic agent in dentistry: A review - International Journal of Nutrition, Pharmacology, Neurological Diseases - Jan-Mar 2023; 13(1): 3-8. ISSN :2231-0738, National. In Alignment with SDG Goal 15
31. Bharath Shivakumar, Sunitha S, Chandrashekar B R, Mirunalini Sundaravadevelu - Antimicrobial efficacy of essential oils of clove, neem and cinnamon on streptococcus mutants and lactobacillus acidophilus in comparison with 0.2% chlorhexidine - An in vitro study - IOSR - Journal of Dental and Medical Sciences - Apr 2023; 22(4): Ser.5, 28-33. ISSN: 2279-0861, International. In Alignment with SDG Goal 15
32. Ray B, Mahalakshmi AM, Bhaskaran M, Tuladhar S, Tousif AH, Essa MM, Song BJ, Chidambaram SB. Mitochondria-Targeted Liposomal Delivery in Parkinson's Disease. In Biomedical Applications and Toxicity of Nanomaterials 2023 May 9 (pp. 657-669). Singapore: Springer Nature Singapore.

33. Niloy N, Hediya TA, Vichitra C, Sonali S, Chidambaram SB, Gorantla VR, Mahalakshmi AM. Effect of cannabis on memory consolidation, learning and retrieval and its current legal status in India: A review. *Biomolecules*. 2023 Jan 12;13(1):162.
34. Bhat A, Bishir M, Pandi-Perumal SR, Chang SL, Chidambaram SB. Roflumilast, a Phosphodiesterase-4 Inhibitor, Ameliorates Sleep Deprivation-Induced Cognitive Dysfunction in C57BL/6J Mice. *ACS Chemical Neuroscience*. 2022 Jun 23;13(13):1938-47.
35. V H P, Kuruburu MG, M K J, N AS, Taha Babakr A, Sreenivasan R, Ramu R, Madhunapantula SV. Bioactive profiling and evaluation of anti-proliferative and anti-cancerous properties of Shivagutika, an Indian polyherbal formulation synchronizing *in vitro* and *in silico* approaches. *Front Chem*. 2023 May 17;11:1195209.
36. V H P, M K J, H R R, Shivamurthy VKN, Patil SM, Shirahatti PS, Ramu R. New insights on the phytochemical intervention for the treatment of neuropsychiatric disorders using the leaves of *Michelia champaca*: an *in vivo* and *in silico* approach. *Pharm Biol*. 2022 Dec;60(1):1656-1668. doi: 10.1080/13880209.2022.2101669. PMID: 36052952; PMCID: PMC9448401.
37. NirmalaG,SannappaGowda,VarshaD,Shiragannavar,LakshanaD,Puttahanumantharayappa,Ashw ini T,Shivakumar, Siva Dallavalasa, Chaithanya G, Basavaraju, Smitha S. Bhat, Shashanka K. Prasad, SubbaRao V. Madhunapantula, Prasanna K Santhekadur Quercetin activates vitamin D receptor and ameliorates breast cancer induced hepatic inflammation and fibrosis ,*Frontiers in Nutrition* 2023 10:1-12
38. Souparnika H. Manjunath; Prabhakaran Nataraj; Vikas H. Swamy; Kavya Sugur; Sumit K. Dey; Veena Ranganathan; Shyni Daniel; Veronica Sharon; Sandeep Chandrashekarappa; Nithin Sajeev; Venkataramana G Venkatareddy; Anil Chuturgoon; Gowthamarajan Kuppusamy; SubbaRao V, Madhunapantula, Rajesh Thimmulappa, Development of Moringa oleifera as functional food targeting NRF2 signaling: antioxidant and anti-inflammatory activity in experimental model systems, *Food and Function* 2023 Volume 14.
39. Shiragannavar VD, Gowda NGS, Lakshana DP, Karunakara SH, Bhat S, Prasad SK, Kumar DP, Santhekadur Prasanna Kumar ,The ameliorating effect of Withaferin A on high-fat diet-induced Non-alcoholic Fatty Liver Disease by acting as LXR/FXR dual receptor activator, *Frontiers in Pharmacology*, 2023 14:1-12
40. Lakshana DP, Gowda NGS, Shiragannavar VD, Karunakara SH, Santhekadur Prasanna K. Ameliorating Effect of Quercetin on Ethanol-Induced Liver Injury Via Targeting RISC Machinery *International Journal of Health & Allied Sciences*.2023 1-8.
41. Akshatha N. Srinivas ,Diwakar Suresh ,Deepak Suvarna , Pankaj Pathak ,Suresh Giri Suman ,Suchitha Satish , Saravana Babu Chidambaram and Divya P. Kumar 1,\* Unraveling the Potential Role of Tecomella undulata in experimental NASH, *International Journal of Molecular Sciences* 2023 , 24(4):3244
42. Ramalingam Shalini, Moola Joghee Nanjan Chandrasekar, Moola Joghee Nanjan, SubbaRao V Madhunapantula, Medha Karnik, Jubi Selvaraj, Gonna Nandhi Krishnan Ganesh-Tetracosanol isolated from the leaves of *Eupatorium glandulosum*, accelerates wound healing by expressing inflammatory cytokines and matrix metalloproteinase *Journal of Ethnopharmacology* 2023 vol 315

43. Nirmala G. Sannappa Gowda A , Varsha D. Shiragannavar a , Samudyata C. Prabhuswamimath b , Sunanda Tuladhar c,d , Saravana Babu Chidambaram c,d , Prasanna K. Santhekadur a,\* Ehrlich Ascites carcinoma mice model for studying liver inflammation and fibrosis *Advances in Cancer Biology – Metastasis* 2022 1-8.
44. Dr. Ashwini P .Nanoagrosomes: Future prospects in the management of drug resistance for sustainable agriculture.*Plant Nano Biology*, 4(2023)
45. Dr. Ashwini P. Management principles in agricultural activities"- a study with specific reference to paddy crop in southern part of Karnataka.*European Chemical Bulletin*.
46. Stavelin Abhinandithe K, Madhu B, Somanathan Balasubramanian and Sridhar Ramachandran, Time series forecasting using GMDH neural networks for Chikungunya in Mysore district, India, *International Journal of Mosquito Research(IJMR)*, 2022; 9(2): 111-116.
47. Arunakumari S Eco-criticism: Human and non-human relationships in the play *Hayavadana* by Girish Karnad



## **ANNEXURE SUPPORTING THE COMPENDIUM ON SDG15**

**+ GARDEN AGREEMENT WITH TFM FOR ECOFRIENDLY ENVIRONMENT**

**+ AMC COPY FOR RO WATER PLANT-SAFE DRINKING WATER**

**+ PURIFIES DRINKING WATER SUPPLY DETAILS IN CAMPUS.**



सत्यमेव जयते

INDIA NON JUDICIAL

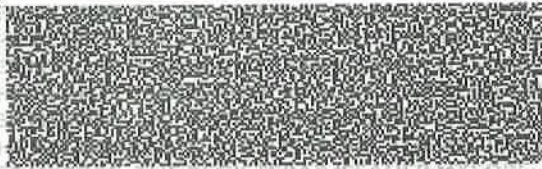
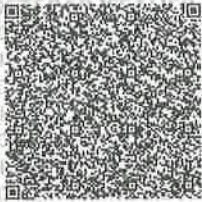
Government of Karnataka

Rs. 200

e-Stamp

Certificate No. : IN-KA21209262243122U  
 Certificate Issued Date : 28-Jan-2022 03:41 PM  
 Account Reference : NONACC (FI)/ kacrsf08/ HEBBAL1/ KA-MY  
 Unique Doc Reference : SUBIN-KAKACRSFL0883388216925727U  
 Purchased by : TEJASHWINI FACILITY MANAGEMENT PVT LTD  
 Description of Document : Article 5(J) Agreement (In any other cases)  
 Property Description : AGREEMENT  
 Consideration Price (Rs.) : 0  
 (Zero)  
 First Party : THE REGISTRAR JSSAHER MYSORE  
 Second Party : TEJASHWINI FACILITY MANAGEMENT PVT LTD  
 Stamp Duty Paid By : TEJASHWINI FACILITY MANAGEMENT PVT LTD  
 Stamp Duty Amount(Rs.) : 200  
 (Two Hundred only)

सत्यमेव जयते



Please write or type below this line

**Agreement of Garden Development and Maintenance Contract**

This agreement is executed on 01.02.2022 between M/s. JSS Academy of Higher Education & Research, JSS Medical Institutions Campus, S S Nagar, Mysuru -15 represented by the Registrar hereinafter called as First party (Institution)

And

M/s. Tejashwini Facility Management Pvt Ltd, represented by Sri. M S Ramakrishna, Managing Director, having its office at No. #65, Block B, KIADB Housing Layout, Opp Skanray, 2nd Stage, Hebbal, Mysuru-570 016 being the Second party herein after, called as the "AGENCY".

REGISTRAR

Managing Director

Statutory Alert:

- The authenticity of this Stamp Certificate should be verified at [www.shoilestamp.com](http://www.shoilestamp.com) or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details of the Certificate will be as available on the website / Mobile App renders it invalid.
- The onus of checking the legitimacy is on the users of the certificate.
- In case of any discrepancy, please contact the competent Authority.

**THIS AGREEMENT WITNESSES AS FOLLOWS:**

Whereas, the first party has contemplated to entrust the job of Garden Maintenance & Development services on contract basis as it was required to outsource the said work through a specialized agency; and whereas, the second party has responded to the requirements of the first party and after mutual discussions, the parties have entered into an agreement on the following terms and conditions:

**1. PERIOD OF VALIDITY AND COMMENCEMENT OF CONTRACT:**

This agreement shall be **in force for a period of 12 months w.e.f. 01.02.2022 to 31.01.2023, by deploying 15 no's of garden workers without any change in payment of wages during the contract period.** The service contract may likely to be extended / continued for a further period of one year on satisfactory performance of service on mutually agreed terms and conditions duly executing fresh agreement.

**2. PAYMENT OF WAGES:**

2.1. The wages will be paid on monthly basis during the contract period as mutually agreed upon by both the parties as specified below which is inclusive of statutory payments (Employee & Employer contribution of PF, ESI and Admin & overhead charges...).

Sl. No.	Category	No of Deployment	Payment of Wages per worker/Per Month	Remarks
1	Garden workers	15 no's	11,113.00	As detailed at Annexure - I

*NOTE: GST at 18% is included.*

2.2. All tools & tackles shall be provided by the first party.

**2.3. Preparation of wage bill:**

The agency shall prepare the wage bill on monthly basis in the prescribed format specified vide **Annexure IV** on the basis of wage break up @ **Annexure - I**.

2.4. All payments shall be made to the respective bank accounts of the deployed labours/personnel & statutory bodies on monthly basis as agreed upon and process as per **Annexure V** duly furnishing all supportive all supportive copies towards the remittance of payment towards the respective beneficiary A/c.

2.5. The Agency shall submit the Bank A/c details for payment **For Veignini Facility Management Pvt. Ltd.,**

  
**REGISTRAR**

Academy of Higher Education & Research  
Sri Shivarathreshwara Nagara,  
Mysuru-570 015

  
**Director**



### 3. STATUTORY OBLIGATIONS :

#### 3.1 Valid License & compliances of law:

3.1. Agency shall obtain all valid licenses for supply of contract labour like., as per Contract Labour (Regulation & Abolition) Act, 1970 and the rules made thereunder and also, as per applicable local, State and/or Central law in force including but not limited to PF Act, ESIC Act, etc. The Agency shall continue to hold valid licenses issued and desire to maintain as per statutory requirement to hold the business.

It shall be the Agency's responsibility to produce the updated information on demand to JSS AHER. Agency shall ensure compliance of all the applicable laws and regulations.

3.2 The Agency shall have the separate code no under ESI Act 1948 and EPF act 1952 and all employees deployed should be enrolled under the code no's allotted to the agency. It is the sole responsibility of the Agency to ensure for fulfillment of all statutory payment of employees & Employer contribution (As per **Annexure I**).

3.3 In case of default, the Agency shall be held responsible for all the consequences as per PF & ESI Act. Or any other Ac/law applicable during the period of agreement.

3.4 Maintain all statutory records required by the labour department at the Institution office (*provided by JSS AHER*) and shall produce the same during any inspection by the concerned authorities of the Agency.

3.5 The additional services rendered by the Agency as required by the Institution, which are over and above the terms of this contract, shall be chargeable on pro - rata basis. Prior approval for the same is pre-requisite for releasing the payment.

3.6 The Agency shall properly maintain all records, registers and such other requirements as contemplated by the provision of all the relevant statutes which interalia include the Contract Labour Act, Provident Fund Act, Employees State Insurance Act and Rules and Payment of Wages Act etc., The Agency shall furnish copies of such returns submitted under ESI & PF to the first party and ensure that the contributions are remitted on monthly basis. The Agency shall produce documents in respect of license from Labour Department within a month from the date of contract.

#### 3.7 Maintenance of Records

1. Copy of Labour contract license issued by Labour dept
2. Copy of the Registration under ESI, PF
3. GST Registration
4. Payment of wages Register.
5. Details of Bank A/c, UAN No, ESI & PF No, Aadhar No of the deployed labours.
6. Complete bio data of the personnel deployed along with photograph
7. Register showing the changes made in the deployment duly updated on monthly basis.
8. Register showing the statutory payments remitted to the PF (along with UAN & TRRN), ESI, GST authorities.

For Tejashwini Facility Management Pvt. Ltd.,

Managing Director

REGISTRAR

Academy of Higher Education & Research

ori Shivarathreeshwara Nagara,

Mysuru-570 015



#### 4. Obligations of the Agency:

- 4.1. The Agency shall be fully acquainted with a type, nature, scope, volume load of work in connection with service to be provided. He shall ensure that services are rendered promptly, without delay and in accordance with the obligations of the contract under this agreement. In case of delays caused by the willful default or negligence of the Agency or its failure to comply with any of its obligations, the Agency shall be liable to rectify such default and indemnify to the institution.
- 4.2. The Agency shall have full control over the services and ensure hassle free service to the Institution in spirit & not limited to the agreement.
- 4.3. The Agency shall ensure all safety precautions while carrying out the duties by the deployed labours. The First party is not liable to any claim or damages or compensation that might become payable to the employees of the Agency in the event of an accident resulting in any possible injury or death while performing their duty.
- 4.4. The wages bill shall be submitted in the prescribed format (**Annexure IV**) on monthly basis along with the copy of the attendance Register, wage Register, valid ESI & PF challans supported by the statement (ECR's) for having paid/remitted the contributions as mutually agreed upon as detailed in the **Annexure V**.
- 4.5. The Agency shall provide 02 sets of uniforms, one pair slippers/Shoes and identity card (duly signed by the authorized by the MD/CEO) to all the personnel deployed.

#### 5. Security Deposit

The Agency shall pay an interest free refundable security deposit of Rs.2,00,000/- (*Rupees Two lakhs only*). The security deposit shall be held by the First party for the entire period of the agreement.

#### 6. GENERAL CLAUSE

- 6.1. **It is clearly understood that the persons employed by the Agency shall not be deemed to be the employees of the First party and shall have no relationship of Employer & Employee or Master & Servant with the Institute.**
- 6.2. Any information/Report as & when desired shall be submitted to the First party or its authorized representatives by the Agency.
- 6.3. The Agency shall take proper and reasonable precaution to prevent loss, wastage or misuse of men and materials. In case of damage or loss incurred due to negligence or carelessness of the Garden workers, then first party reserves all rights to recover the cost of damage or loss from the Agency.

- 6.4. The Agency shall undertake to supervise the cleaning operations and consult the Physical Culture Director for having carried out the garden development and maintenance work satisfactorily as per the work chart vide **Annexure II** including the additional work assigned by the first party if any.
- 6.5. Both the parties shall share/periodically update the contact details of the authorized/responsible officials for coordination if there is any charges (**Annexure III**).
- 6.6. The deployed labours of the Agency shall not indulge in forming any association or its activities in the premises of the First party.
- 6.7. **Attendance:** Shall sign the Biometric maintained at main gate (Security point) in the morning & evening every day & physical attendance at JSS AHER Admin block point.

## 7. **CONFIDENTIALITY**

The Agency ensures that its staff shall not, at any time, without the consent of the First party in writing, divulge or make known any transaction undertaken or handled by the first party and shall not disclose any information to any person.

## 8. **TERMINATION OF AGREEMENT**

- 8.1 The contract is terminable by either party with one month notice without assigning any reason.
- 8.2 The first party is at liberty to terminate the agreement without giving notice in case of any violation or breach of contract by the Agency.

## 9. **SETTLEMENT OF DISPUTE**

Any dispute or difference arising out relating to this contract including interpretation of its terms will be resolved through joint discussion of the authorized representatives of the concerned parties.

**IN AGREEMENT TO THE ABOVE TERMS AND CONDITIONS, THIS CONTRACT IS SIGNED  
BY BOTH PARTIES HEREIN MENTIONED**







**Signature of the First Party**

**REGISTRAR**  
JSS Academy of Higher Education & Research  
Sri Shivarathreshwara Nagara,  
Mysuru.  
Mysuru-570 015

**Signature of the Agency**

Managing Director  
M/s Teja Tejaswini Facility Management Pvt Ltd.,  
Pvt Ltd, Mysuru.  
**Managing Director**

**WITNESS:**

Representatives of JSS AHER		Representatives of M/s TFM, Pvt Ltd	
Name & Designation	Signature	Name & Designation	Signature
<b>The Finance Officer</b> JSS AHER, Mysuru		<b>Mr. Deepak R</b> General Manager- Operation & Admin, M/s Tejashwini Facility Management, Mysuru	
<b>Deputy Registrar (Sr. Grade),</b> JSS AHER, Mysuru			
<b>Physical Cultural Director</b> JSS Medical Institutions Campus, Mysuru			
<b>Asst. Administrative Officer</b> Dept. of water & Health-FLS, JSS AHER, Mysuru			
<b>Superintendent</b> JSS Dental College & Hospital, Mysuru			

  
**REGISTRAR**  
JSS Academy of Higher Education & Research  
Sri Shivarathreeshwara Nagar,  
Mysuru-570 019

For Tejashwini Facility Management Pvt. Ltd.,  
  
Managing Director

## ANNEXURE - I

**Following are the details of wage breakup agreed upon by the parties for payment of wages as well as fulfillment of statutory obligations (Garden Service)**

Sl. No.	Particulars	Housekeeping
1	Basic Wages	8,000.00
2	Add: VDA	1,000.00
<b>3</b>	<b>Sub Total (A)</b>	<b>9,000.00</b>
4	PF @ 12%	1,080.00
5	Admin. Charges 0.5%	45.00
6	EDLI 0.5%	45.00
7	ESI @ 3.25%	292.50
8	Uniform & Allowance	200.00
9	<b>Sub Total (B)</b>	<b>1,662.50</b>
10	<b>Total (A + B)</b>	<b>10,662.50</b>
11	Service fee/ OH @ 5% (on sl no 3)	450.00
12	<b>Total</b>	<b>11,112.50</b>
12	Add GST @ 18%	2,000.25
<b>GRAND TOTAL</b> (Round Off to)		<b>13,112.75</b>
		<b>13,113.00</b>

  
**Signature of the First Party**

**REGISTRAR**

JSS Academy of Higher Education & Research  
Sri Shivarathreswara Nagar,  
Mysuru-570 015

**For Tejashwini Facility Management Pvt. Ltd.,  
Signature of the Agency**

  
Managing Director  
M/s Tejashwini Facility Management  
Pvt Ltd, Mysuru.



## ANNEXURE - II

### **Work Chart for Garden Development and Maintenance work by Labourers at JSS Medical Institutions Campus, Mysuru**

1. Weed cutting by machine / manual
2. Shrubs cutting by manual / Axe / Scissors
3. Plants trimming by manual / Axe / Scissors
4. Re-potting
5. Pots decoration for all function including for competition
6. Developing seeding as per institution the requirements under the guidance of official (i/c)
7. New plantation by providing plants basin manually wherever required
8. Providing manure and soil
9. Watering the plants
10. Pot arrangements to the lobby, corridor aesthetically on weekly basis under the directions of person incharge
11. Sweeping
12. Weed removing and shifting of garbage / dry leaf pit
13. Pots arrangements / re-arrangements and shifting to back manually
14. Green waste Management
15. Maintenance & beautification of garden

#### **NOTE:**

1. Any work assigned in addition to the above shall also be carried out
2. Any feedback sought to be given shall be recorded in the feedback register and seek signature on daily basis from the officer incharge.

**Signature of the First Party**

*Alex*  
Registrar  
JSS Academy of Higher Education & Research  
Sri Shivarathreeswara Nagar,  
Mysuru 570 015

**For Tejashwini Facility Management Pvt. Ltd.,  
Signature of the Agency**

*[Signature]*  
Managing Director  
M/s Tejashwini Facility Management  
Pvt Ltd, Mysuru.

**ANNEXURE -III**

**Contact Details**

**A. JSSAHER and its Constituent Colleges and Hostels at Mysuru**

Sl. No.	Name of the Institution	Officer Name & Designation	Contact No.
1	JSS AHER	1. Dr. B Manjuntha, Registrar	9741123331
		2. Smt. M S Kokila , Dy. Registrar (Sr. Grade)	9900681633
		3. Sri. Lokeshappa Physical Cultural Director	988019513
3	JSS Medical College	4. Dr. H Basavannagowda, Principal	9845115962
		5. Sri. S R Satishchandra, Administrative Officer	9686677254
4	JSS Dental College & Hospital	6. Dr. S Ravindra, Principal	9513501273
		7. Sri. Ravi Superintendent	9481532815
5	Faculty of Life Sciences	8. Dr. K A Raveesha, Head of the Department	9845481329
		9. Sri. S Veerabhadraswamy, Asst. Administrative Officer	7019992492
6	PG Guest Hostel	10. Sri. N Madesh, Supervisor	8694058644

**B. M/s Tejashwini Facility Management Pvt Ltd, Mysuru,**

Sl. No.	Name of the Security Personnel	Designation	Contact No.
1	Mr. M S Ramakrishna	Managing Director	9448068783
2	Mrs Deepak R	General Manager	9008004355
3	Mr. Pavithra	Facility Executive	8970632388
4	Mr. Venkatesh	Supervisor	8970014504

  
**REGISTRAR**  
JSS Academy of Higher Education & Research  
Sri Shivarathresthara Nagara,  
Mysuru-570 015

For Tejashwini Facility Management Pvt. Ltd.

  
Managing Director

# ANNEXURE – IV

## Wage bill format

Details of Garden Service payment made for the month of..... Year.....

Annexure - IV

1	2	3	4	5	6	7	8	9	10	11			12	13	14	15		16		17	
										Employee Contribution						10-11(C)+12	Employer Contribution		Total Contribution (Statutory obligation)		
										A	B	C					A	B	A		B
Sl. no	Name of the Employee	Name of the Department/posting location	Salary Bank A/c No	UAN No	ESI no	NCP	Basic	DA	Total	PF 12%	ESI 0.75%	Total Deduction	Washing allow	Net pay	Contractor profit	PF 12%	ESI 3.25%	PF [11(A)+15(A)]	ESI [11(B)+15(B)]	Signature	

PF Employee Contribution		-
PF Employer Contribution		-
Administrative charges	0.50%	-
EDLI Charges	0.50%	-
<b>Total</b>		-

ESI Employee Contribution		-
ESI Employer Contribution		-
<b>Total</b>		-

1. Mode of payment /Remittance copies shall be enclosed for reference.
2. Agency beneficiary A/c details (Name, A/c Number)

  
**REGISTRAR**  
 JSS Academy of Higher Education & Research  
 Sri Shivarathreeshwara Nagara,  
 Mysuru-570 015

For Tejashwini Facility Management Pvt. Ltd.,  
  
**Managing Director**

## ANNEXURE - V

### Housekeeping monthly payment process/Flow chart.

1. Garden Worker deployed labours attendance shall be duly certified by the Physical Cultural Director & submit through Principal, JSS Medical College (1<sup>st</sup> of preceding month) as the wages bill shall be in conformity with the attendance.
  2. Wage bill shall be prepared by the agencies in the prescribed format based on the duly certified attendance and submit to JSS AHER before 5<sup>th</sup> of every month.
  3. The Wages bill shall be scrutinized by the Accounts officer of JSS AHER along with statutory payments in confirmity with attendance by 10<sup>th</sup> of every month.
  4. On clearance of wages bill, payment shall be made to the deployed labours along with ESI, PF, GST (Employee & Employer) which shall be remitted to the respective A/c by the agency on or before by 15<sup>th</sup> of every month.
  5. The wages bill, duly signed by the individual beneficiary shall be submitted to JSS AHER for reimbursement of wages along with all supportive copies in duplicate/triplicate with due certification to the University by 20<sup>th</sup> of every month by the agency.
  6. Soft copies shall be shared by the agency to JSS AHER for onward transmission to the Finance Officer & constituent units with all the establishment for internal information & for ensuring the fulfillment of all statutory obligations by JSS AHER.
- Note: If any concern or observations is made shall be reported within 5 days on receipt of soft copies for rectification. Later correspondence will not be entertained as such correction would not be able to incorporate during subsequent period.*
7. Finance Officer, JSS AHER shall reimburse their payment between 25<sup>th</sup> to 30<sup>th</sup> for having paid wages along with statutory benefits to the beneficiaries account.
  8. This process shall continue every month.

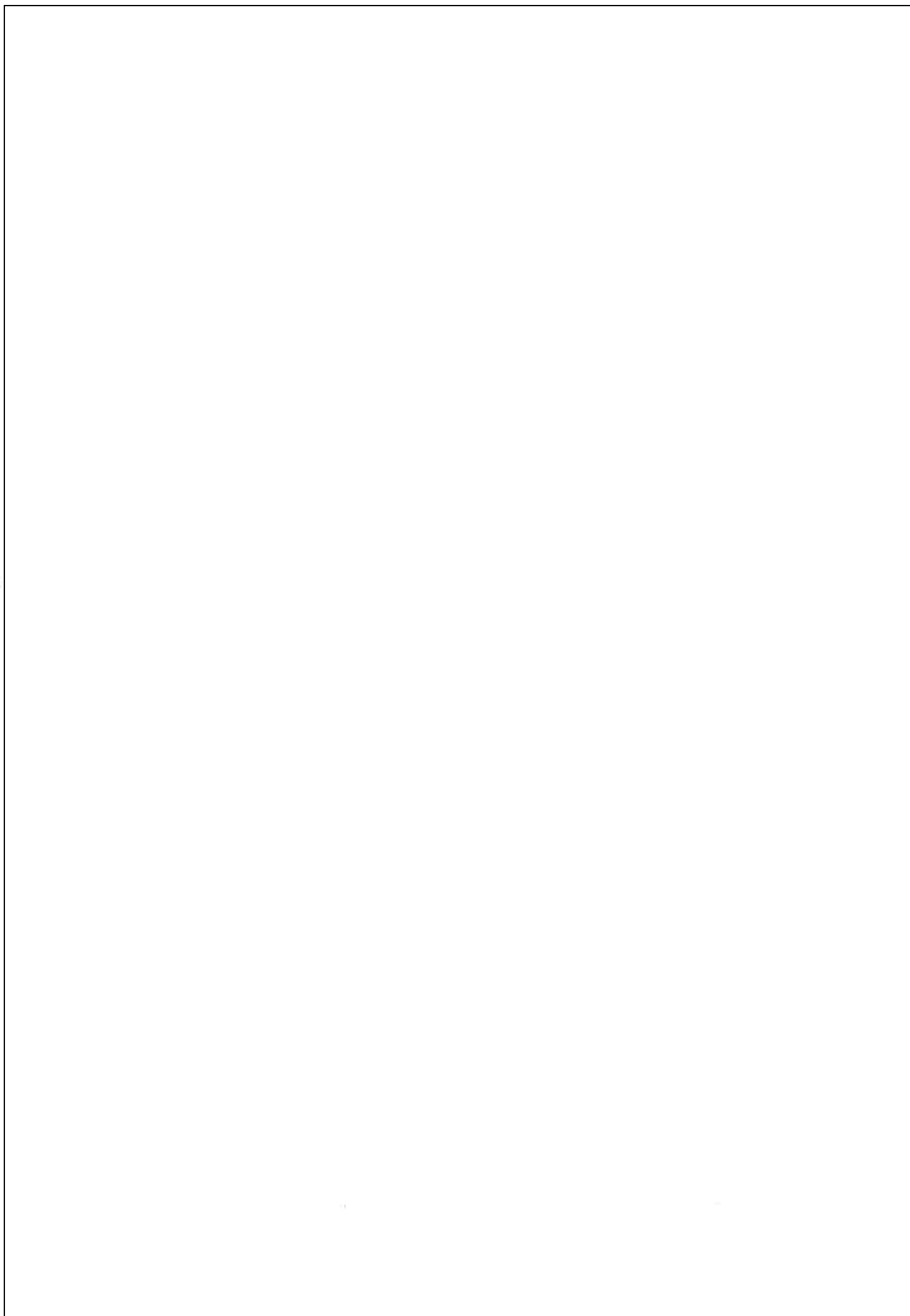
For JSS Academy of Higher Education & Research,  
Mysuru

  
**REGISTRAR**  
REGISTRAR  
JSS Academy of Higher Education & Research  
Sri Sivarathreshwara Nagara,  
Mysuru-570 016

For M/s Tejashwini Facility Management,  
Pvt Ltd, Mysuru

**For Tejashwini Facility Management Pvt. Ltd.,**  
  
**Managing Director**  
Managing Director





No:REG/EST-I(5)/PCM/FUR/32/2016-17

Dt:17.08.2020

To,  
The Principal,  
JSS College of Pharmacy,  
Mysore.

Sir,

**Sub: Approval for Maintenance Contract for 500LPH RO water unit  
- Reg.**

Ref: 1.Ltr.No:JSSCP/473/2020-21, Dt:14.07.2020.  
2. Approved by Vice Chancellor @ para (323) in the O/N

Approval is accorded for Renewal of Maintenance Contract of 500LPH RO water unit (Boy's & Girl's Hostel) & to have multiyear agreement with M/s Sri Lakshmi Venkateshwara Enterprises, Mysuru at a negotiated cost of Rs.2,000/-/per month/ per unit (Rupees Two thousand only) for the period of three years from 01.07.2020 to 30.06.2023.

Details are as follows:

Sl. No	Particulars	Rate/Unit pm	Qty	1st Year	2nd Year	3rd Year	Remarks
				01.07.2020 to 30.06.2021	01.07.2021 to 30.06.2022	01.07.22 to 30.06.2023	
1	Aqua Green RO water unit	₹2,000	02	Rs.4,000.00	Rs.4,000.00	Rs.4,000.00	Multiyear AMC Contract (Boy's & Girl's Hostel)
		GST 18%		Rs.720.00	Rs.720.00	Rs.720.00	
		Cost/pm		Rs.4,720.00	Rs.4,720.00	Rs.4,720.00	
		Cost/year		Rs.56,640.00	Rs.56,640.00	Rs.56,640.00	

Suitably agreement may be executed in this behalf and make payment only on yearly basis and periodical report shall be submitted.

The expenditure may be debited under the "Maintenance" head of A/c in the respective Hostels Management A/c's earmarked respective financial year.

Yours faithfully,

Encl: Approved Quotation

REGISTRAR

**Water consumption for the month of Nov'2021 @ JSSMI Campus**

**Reading date 02-12-2021**

<b>Sl. no.</b>	<b>Location</b>	<b>Meter Nos.</b>	<b>Meter reading 0.00</b>	<b>Reading in Cum</b>	<b>Consumption in Ltrs</b>
1	Medical college	31415	-	86.29	86290.00
2	AHER Admin block,Dental College & Hospital	312359	-	212.98	212980.00
3	AHER Admin annex	434677	-	162.61	162610.00
4	Faculty of Natural Sciences/Life Sciences	343316	-	83.62	83620.00
5	Food court	343310	-	302.89	302890.00
6	Girl's hostel- 'A' Block	343313	-	499.52	499520.00
7	Girl's hostel- 'Mess' Block	343297	-	220.39	220390.00
8	Girl's hostel- 'B' Block	343311	-	331.4	331400.00
9	Girl's hostel- 'C' Block	343317	-	494.99	494990.00
10	Girl's hostel- 'D' Block	343308	-	1818.22	1818220.00
11	Boy's hostel- 'A' Block	312304	-	69.07	69070.00
12	Boy's hostel- 'Mess' Block	343303	-	614.4	614400.00
13	Boy's hostel- 'B' Block	315362	-	38.88	38880.00
14	Boy's hostel- 'C' Block	343312	-	205.53	205530.00
15	Boy's hostel- 'D' Block	343309	-	263.53	263530.00
16	Boy's hostel- 'E' Block	311822	-	1.16	1160.00
				<b>Total Qty in Ltrs</b>	<b>4,557,090.00</b>

**Note: 1 Cum = 1000 Ltrs**

## **Details of Water meters provided at @ JSS campus for individual buildings/blocks**

<b>Sl. no.</b>	<b>Location</b>	<b>Meter Nos.</b>	<b>Installed on</b>	<b>Readings</b>	<b>Size of water meters</b>
1	Medical college	31415	8/11/2021	0	1 <sup>1</sup> / <sub>2</sub> "
2	AHER Admin block, Dental College & Hospital	312359	6/11/2021	0	1 <sup>1</sup> / <sub>2</sub> "
3	AHER Admin annex	434677	6/12/2021	0	<sup>3</sup> / <sub>4</sub> "
4	Faculty of Natural Sciences/Life Sciences	343316	8/11/2021	0	1"
5	Food court	343310	8/11/2021	0	1"
6	Girl's hostel- 'A' Block	343313	8/11/2021	0	1"
7	Girl's hostel- 'Mess' Block	343297	8/11/2021	0	1"
8	Girl's hostel- 'B' Block	343311	8/11/2021	0	1"
9	Girl's hostel- 'C' Block	343317	8/11/2021	0	1"
10	Girl's hostel- 'D' Block	343308	12/11/2021	0	1"
11	Boy's hostel- 'A' Block	312304	11/11/2021	0	1 <sup>1</sup> / <sub>2</sub> "
12	Boy's hostel- 'Mess' Block	343303	9/11/2021	0	1 <sup>1</sup> / <sub>2</sub> "
13	Boy's hostel- 'B' Block	315362	10/11/2021	0	1 <sup>1</sup> / <sub>2</sub> "
14	Boy's hostel- 'C' Block	343312	10/11/2021	0	1"
15	Boy's hostel- 'D' Block	343309	11/11/2021	0	1"
16	Boy's hostel- 'E' Block	311822	10/11/2021	0	1 <sup>1</sup> / <sub>2</sub> "
17	RO unit inlet	318415	1/4/2022	0	1 <sup>1</sup> / <sub>2</sub> "
18	Martury	345662	1/4/2022	0	1"
19	Animal house	435553	1/4/2022	0	<sup>3</sup> / <sub>4</sub> "



## Nutritional Composition of Food Provided at JSSAHER Hostels

### BREAKFAST

*(Menu provided including with nutritional composition for all the seven (7) days. Food recipes per 100g of edible portions)*

Nutrient Name	Nutritive Value											
	Maggi e	Sauc e	Upm a	Kesari Bath	Sweet Bread	Jam	Toast Bread	Butter (1tbsp)	Poha	Aloo Paratha	Curd	Tomato Curry
Energy (Kcal)	437.00	112	108.40	427.0	124	278	293	293	409.0	264	59.0	18
Protein (Gm)	10.40	1.95	3.12	6.0	22.48	0.4	9	9	7.6	4.75	3.80	1
Carbohydrate (Gm)	63.50	11.27	16.57	85.0	0.0	69	54.4	54.4	70.0	38.17	4.30	4
Total Fat (Gm)	15.70	2.38	3.03	7.0	3.08	0.1	4	4	10.9	10.76	3.0	0.01
Total Dietary Fiber (Gm)	3.90	0.4	3.06	1.40	0.0	1.1	2.5	2.5	2.5	3.3	0	0.7
Total Free Sugars (Gm)	3.40	8.8	1.07	40.0	0.0	49	4.74	4.74	2	4.63	1.3	2.5
Sodium (Mg)	1232.20	481	4.11	290.0	381	32	5.92	5.92	1470	477	371	11
Calcium (Mg)	153.50	27	14.9	8.6	4	20.00	119	119	9	30	137	11.00
Iron (Mg)	3.70	0.85	0.87	0.9	1.23	0.49	3.33	3.33	1.00	2.65	0.2	0.68

Nutrient Name	Nutritive Value											
	Akki Roti	Rava Idli	Masala Dosa	Poori	Idli	Chutney	Aloo Curry	Sambar	Vada	Tea (100ml)	Coffee (100ml)	Milk (100ml)
Energy (Kcal)	196	404.0	239.84	296	133.1	837.67	96	63.61	133.1	17	17	62
Protein (Gm)	2.4	10	7.70	7.54	4.07	3.61	2.34	3.15	4.07	0.52	0.18	3.32
Carbohydrate (Gm)	32	73	49.4	46.73	27.69	7.01	17.52	10.38	27.69	2.8	4.04	4.66
Total Fat (Gm)	5.2	8.0	0.59	9.43	0.30	17.58	2.89	0.85	0.30	0.46	0.08	3.35
Total Dietary Fiber (Gm)	1.0	4.25	4.18	4.7	2.14	5.61	3.6	1.96	2.14	0	0	0
Total Free Sugars (Gm)	0	5.7	0.48	0.21	0.6	2.51	1.28	1.76	0.6	2.72	3.7	5.42
Sodium (Mg)	196	860.0	4.73	685	2.38	5.31	440	6.96	2.38	8	3	41
Calcium (Mg)	39.6	29.8	13.48	17	6.77	12.66	61	19.41	6.77	18	6	117
Iron (Mg)	0.2	1	1.12	2.68	0.56	1.19	3.59	0.89	0.56	0.01	0.04	0.03

## LUNCH

(Menu provided including with nutritional composition for all the seven (7) days. Food recipes per 100g of edible portions)

Nutrient Name	Nutritive Value											
	Chapati	Dal	Pulao	Raita	Rice	Rasam	Mush-	Rajmah	Moong	Meal	Chole	

							room curry	Curry	Curry	Maker Curry	Bature
Energy (Kcal)	170	68.00	110.53	58	351.91	42.56	56	60.68	57.48	337	427K
Protein (Gm)	5.84	3.40	2.7	3	7.81	1.73	3.12	2.95	3.19	49	10.8
Carbohydrate (Gm)	32.5	8.12	20.07	5	76.8	5.10	5.1	6.54	6.02	36	50.3
Total Fat (Gm)	1.55	1.67	1.33	7.21	0.55	1.13	0.22	1.53	1.37	2.4	20.1
Total Dietary Fiber (Gm)	1.2	1.90	1.99	0.5	3.74	1.35	2.1	2.98	1.76	12	12
Total Free Sugars (Gm)	0.65	1.01	1.19	5.09	0.67	1.81	3.5	1.18	0.82	8	9.2
Sodium (Mg)	138	4.77	6.34	372	3.16	4.35	103.9	3.99	3.78	3	16.2
Calcium (Mg)	21	17.15	13.3	85.7	8.11	17.97	3	24.84	11.53	244.0	118
Iron (Mg)	2.03	0.92	0.45	0.4	0.72	0.72	0.5	1.17	0.72	13.70	2.8

Nutrient Name	Nutritive Value						
	Beetroot Palya	Cabbage Palya	Beans Palya	Carrot Palya	Heerekayi Palya	Huruli Palya	Buttermil k
Energy (Kcal)	104.71	73.37	107.44	61	13.15	329.90	62
Protein (Gm)	2.83	1.95	2.73	1.1	0.91	21.73	3.2

Carbohydrate (Gm)	7.62	6.19	2.89	6.5	1.40	48.31	4.9
Total Fat (Gm)	6.80	3.02	8.88	3.9	0.14	0.62	3.3
Total Dietary Fiber (Gm)	4.90	3.29	5.31	1.6	1.81	7.88	0
Total Free Sugars (Gm)	5.04	1.06	1.78	3.1	0.62	0.35	4.9
Sodium (Mg)	68.72	14.97	9.13	317	4.71	12.14	105
Calcium (Mg)	23.06	51.6	50.98	33	13.70	269.00	115.00
Iron (Mg)	1.09	0.73	1.23	0.30	0.42	8.76	0.03

## DINNER

*(Menu provided including with nutritional composition for all the seven (7) days. Food recipes per 100g of edible portions)*

Nutrient Name	Nutritive Value									
	Paneer Curry	Tonde Kayi Playa	Aloo Fry	Ghee Rice	Kurma	Gobi	Fried Rice	Rumali Roti	Pav Bhaji	Papad
Energy (Kcal)	121.49	18	150	188.0	109.47	164.0	163	79	400	371K
Protein (Gm)	6.37	1.57	2	3	2.7	6.1	4.7	2.6	9.4	26



Carbohydrate (Gm)	3.32	3.55	22	19.99	13.2	31.8	31	14.2	57.9	60
Total Fat (Gm)	9.13	0.23	10.1	10.65	6	2.7	2.3	1	14.5	3.3
Total Dietary Fiber (Gm)	0.89	0.9	1.1	0.67	3.9	5.6	1.1	0.1	4.5	19
Total Free Sugars (Gm)	1.0	0.43	0.3	0.9	1	1.4	0.4	0	1.7	0
Sodium (Mg)	2.07	5	7.9	0.6	12	418	396	4.2	170.5	1745
Calcium (Mg)	207.63	30.3	9.8	11.3	50.98	28.4	19	32.2	70.2	143.00
Iron (Mg)	0.93	0.6	0.3	0.4	1.12	1.9	1.39	0.5	2.2	7.80

Nutrient Name	Nutritive Value					
	Jalebi	Gulab Jamun	Watermelon	Orange	Papaya	Banana
Energy (Kcal)	300	410.0	30	97	43	89
Protein (Gm)	4.19	6.58	0.6	0.9	0.5	1.1
Carbohydrate (Gm)	62.36	68.1	7.6	13	11	23
Total Fat (Gm)	4.31	0.40	0.2	0.2	0.3	0.3
Total Dietary Fiber (Gm)	1	12.36	0.4	2.2	1.7	2.6
Total Free Sugars (Gm)	42.77	52.01	6.2	8.5	7.8	12

Sodium ( <i>Mg</i> )	146	110	1	1	8	1
Calcium ( <i>Mg</i> )	131	221	7.00	43.00	20.00	5.00
Iron ( <i>Mg</i> )	0.72	0.37	0.24	0.13	0.25	0.26

# CERTIFICATES FROM FOOD SAFETY AND SECURITY AUTHORITY OF INDIA

JSS Academy of Higher Education & Research

(Deemed to be AHER)

Accredited "A+" Grade by NAAC



No: JSSAHER/REG/GAD-I(1)/FSSAI/215/2017-18/2641

Date: 05.06.2023

## CIRCULAR

**Sub: - Forwarding of License Certificate issued by FSSAI - Reg.**

**Ref: - Approved by the Vice Chancellor vide para (159) in the O/n.**

-----

Please find the enclosed copy of the FSSAI License Certificate availed from FSSAI, GOK as per the Food Safety and Standards Act 2006 for a period of ONE-year w.e.f. 05.05.2023 to 04.05.2024 at an annual fee of Rs. 2,000/- per registration to all the JSS AHER Hostels at Mysuru. The details of License Certificate issued by FSSAI are as stated below:

No.	Details of License	Fee Paid	Fee Rt. & Date
A	Modification Charges	1,000.00	20220825103898083, dt 25.08.2022
I	<b>JSSAHER - College of Pharmacy Campus, Mysuru</b>		
1	JSSAHER Hostel for Men License No.: 11223335000149	1,000.00	1519561410724975, dt 21.04.2023
		1,000.00	11591233961971648, dt 05.05.2023
2	JSSAHER Hostel for Women License No.: 11223335000150	1,000.00	11410019065427938, dt 03.05.2023
		1,000.00	11592540199245289, dt 05.05.2023
II	<b>JSSAHER - Medical Institutions Campus, Mysuru</b>		
3	JSSAHER Hostel for Women - D Block License No.: 11223335000151	1,000.00	11413094495183234, dt 03.05.2023
		1,000.00	11591936807934274, dt 05.05.2023
4	JSSAHER Hostel for Women - Mess Block License No.: 11223335000152	1,000.00	11414975903291918, dt 03.05.2023
		1,000.00	11591826617836860, dt 05.05.2023
5	JSSAHER Hostel for Men License No.: 11223335000153	1,000.00	11491635216684346, dt 04.05.2023
		1,000.00	11592463275679624, dt 05.05.2023
6	JSSAHER PG Hostel (Guest House) License No.: 11223335000154	1,000.00	11495329494881507, dt 04.05.2023
		1,000.00	11593486718576856, dt 05.05.2023

JSS Academy of Higher Education & Research

(Deemed to be AHER)

Accredited "A+" Grade by NAAC



No.	Details of License	Fee Paid	Fee Rt. & Date
III	<b>JSSAHER - JSS Hospital Campus, Mysuru</b>		
7	JSSAHER PG Resident Hostel License No.: 11223323000181	1,000.00	11498629595681940, Dt 04.05.2023
		1,000.00	11592573233890963, Dt 05.05.2023
<b>TOTAL AMOUNT</b>		<b>15,000.00</b>	

Further, it is advised to display the same (both the side) in the Kitchen and Dining Area at each hostel block and to follow the guidelines laid down by FSSAI without fail.

Meanwhile, it is advised to refund / reimburse a sum of Rs. 2,000/- per registration to JSS AHER A/c as stated at serial no.: 1 - 7 being the initial expenditure borne by JSS AHER and to debit the same under respective head of account of the hostels. However, the expenditure of Rs.1,000/- incurred towards modification charges has been debited under JSS AHER A/c.

Encl: Copy of the respective FSSAI Certificate

*[Signature]*  
**REGISTRAR**  
SLS

To,

1. The Chief Warden, JSSAHER Hostels for Men and Women, JSSMI Campus, Mysuru
2. The Warden, JSSAHER Hostels for Men and Women, JSSCP Campus, Mysuru
3. The Supervisor, JSSAHER PG Hostel, JSSMI Campus, Mysuru
4. The Warden, JSSAHER Hostels for Men & Women, Off Campus (SLS), Mysuru
5. The Warden, JSSAHER PG Residents Block, JSS Hospital Campus, Mysuru
6. Office copy

Copy to: -

1. The Finance Officer, JSSAHER, Mysuru
2. The Principal, JSS Medical College, Mysuru
3. The Principal, JSS Dental College & Hospital, Mysuru
4. The Principal, JSS College of Pharmacy, Mysuru
5. The Head, SLS, JSSAHER, Mysuru - Please ensure that the outsourced agency is having valid FSSAI Certification
6. Office Copy



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



License Number: **11223335000153**



- Name & Registered Office address of Licensee:** JSS ACADEMY OF HIGHER EDUCATION & RESEARCH  
JSS Academy of Higher Education & Research, Hostel for Men, JSS Medical Institutions Campus, Sri Shivarathreeshwara Nagara, Mysore, Mysore, Karnataka-570015
- Address of Authorized Premises:** JSS Academy of Higher Education & Research, Hostel for Men, JSS Medical Institutions Campus, Sri Shivarathreeshwara Nagara, Mysore, Mysore Mahanagar Palike II Circle, Mysore, Karnataka-570015
- Kind of Business:** Food Services - Club/Canteen
- Dairy Business Details:** No
- Category of License:** **State License**

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

**Place:** Mysore  
**Issued On:** 05-05-2023 (New License)  
**Valid Upto:** 04-05-2024 (For details, refer Annexure)

**Designated Officer**

**Date :** 05-05-2023 16:37:43  
**User Id :** 107913  
**Verified through Mobile :** 86XXXXXX04  
**License Grant on :** 05-05-2023 13:38:36  
**License Issued On :** 05-05-2023 16:37:43

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಇಲಾಖೆ  
ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ  
ಮೈಸೂರು.

**Annexures:**

- [Product Annexure](#)
- [Validity Annexure](#)
- [Non-Form C Annexure](#)
- [Conditions Of License](#)

**Product Annexure**



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



License Number: **11223335000153**

**Kind Of Business: Food Services - Club/Canteen**

Sl.No.	Product(s)
1	14 - Beverages, excluding dairy products
2	16 - Prepared Foods

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಇಲಾಖೆ  
ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ  
ಮೈಸೂರು.





**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
 License under FSS Act, 2006



License Number: **11223335000152**



- Name & Registered Office address of Licensee:** JSS ACADEMY OF HIGHER EDUCATION & RESEARCH  
JSS Academy of Higher Education & Research, Hostel for Women, JSS Medical Institutions, Shivarathreshwara Nagara, Mysuru., Mysore, Karnataka-570015
- Address of Authorized Premises:** JSS Academy of Higher Education & Research, Hostel for Women, JSS Medical Institutions, Shivarathreshwara Nagara, Mysuru., Mysore Mahanagar Palike II Circle , Mysore, Karnataka-570015
- Kind of Business:** Food Services - Club/Canteen
- Dairy Business Details:** No
- Category of License:** **State License**

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

Place: Mysore  
 Issued On: 05-05-2023 (New License)  
 Valid Upto: 04-05-2024 (For details, refer Annexure)

**Designated Officer**  
 Date : 05-05-2023 16:31:43  
 User Id : 107913  
 Verified through Mobile : 86XXXXXX04  
 License Grant on : 05-05-2023 13:37:53  
 License Issued On : 05-05-2023 16:31:43

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
 ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಕಾಯ್ದೆ,  
 ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ,  
 ಮೈಸೂರು.

- Annexures:**
1. Product Annexure
  2. Validity Annexure
  3. Non-Form C Annexure
  4. Conditions Of License

Product Annexure



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
 License under FSS Act, 2006



License Number: **11223335000152**

**Kind Of Business: Food Services - Club/Canteen**

Sl.No.	Product(s)
1	16 - Prepared Foods
2	14 - Beverages, excluding dairy products

*ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು*

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
 ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಕಾಯ್ದೆ,  
 ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ,  
 ಮೈಸೂರು.



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
License under FSS Act, 2006



License Number: 11223335000151



- Name & Registered Office address of Licensee: JSS ACADEMY OF HIGHER EDUCATION & RESEARCH  
JSS Academy of Higher Education & Research, Hostel for Women ('D' Block), JSS Institutions Campus, Shivarathreeshwara Nagara, Mysuru., Mysore, Karnataka-570015
- Address of Authorized Premises: JSS Academy of Higher Education & Research, Hostel for Women ('D' Block), JSS Institutions Campus, Shivarathreeshwara Nagara, Mysuru., Mysore Mahanagar Palike II Circle , Mysore, Karnataka-570015
- Kind of Business: Food Services - Club/Canteen
- Dairy Business Details: No
- Category of License: **State License**

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

Place: Mysore  
Issued On: 05-05-2023 (New License)  
Valid Upto: 04-05-2024 (For details, refer Annexure)

**Designated Officer**  
Date : 05-05-2023 16:28:43  
User Id : 107913  
Verified through Mobile : 86XXXXXX04  
License Grant on : 05-05-2023 13:37:10  
License Issued On : 05-05-2023 16:28:43

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಶಾಖೆ,  
ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ,  
ಮೈಸೂರು.

- Annexures:**
- [Product Annexure](#)
  - [Validity Annexure](#)
  - [Non-Form C Annexure](#)
  - [Conditions Of License](#)

Product Annexure



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
License under FSS Act, 2006



License Number: 11223335000151

**Kind Of Business: Food Services - Club/Canteen**

Sl.No.	Product(s)
1	16 - Prepared Foods
2	14 - Beverages, excluding dairy products

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಶಾಖೆ,  
ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ,  
ಮೈಸೂರು.



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



License Number: 11223335000154



- Name & Registered Office address of Licensee: JSS ACADEMY OF HIGHER EDUCATION & RESEARCH  
JSS Academy of Higher Education & Research, PG Hostel, JSS Medical Institutions Campus, Sri Shivarathreeshwara Nagara,, Mysore, Karnataka-570015
- Address of Authorized Premises: JSS Academy of Higher Education & Research, PG Hostel, JSS Medical Institutions Campus, Sri Shivarathreeshwara Nagara,, Mysore Mahanagar Palike II Circle , Mysore, Karnataka-570015
- Kind of Business: Food Services - Club/Canteen
- Dairy Business Details: No
- Category of License: **State License**

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

Place: Mysore  
 Issued On: 05-05-2023 (New License)  
 Valid Upto: 04-05-2024 (For details, refer Annexure)

**Designated Officer**  
 Date : 05-05-2023 16:40:46  
 User Id : 107913  
 Verified through Mobile : 86XXXXXX04  
 License Grant on : 05-05-2023 13:20:44  
 License Issued On : 05-05-2023 16:40:46

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
 ಅಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಕಾಯ್ದೆ.  
 ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ.  
 ಮೈಸೂರು.

- Annexures:**
- Product Annexure
  - Validity Annexure
  - Non-Form C Annexure
  - Conditions Of License

**Product Annexure**



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



License Number: 11223335000154

**Kind Of Business: Food Services - Club/Canteen**

Sl.No.	Product(s)
1	16 - Prepared Foods
2	14 - Beverages, excluding dairy products

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
 ಅಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಕಾಯ್ದೆ.  
 ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ.  
 ಮೈಸೂರು.



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
License under FSS Act, 2006



License Number: 11223335000150



- Name & Registered Office address of Licensee: JSS ACADEMY OF HIGHER EDUCATION & RESEARCH  
JSS Academy of Higher Education & Research, Hostel for Women, JSS College of Pharmacy Campus, Sri Shivarathreeshwara Nagara, Mysuru., Mysore, Karnataka-570015
- Address of Authorized Premises: JSS Academy of Higher Education & Research, Hostel for Women, JSS College of Pharmacy Campus, Sri Shivarathreeshwara Nagara, Mysuru., Mysore Mahanagar Palike II Circle, Mysore, Karnataka-570015
- Kind of Business: Food Services - Club/Canteen
- Dairy Business Details: No
- Category of License: **State License**

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

Place: Mysore  
Issued On: 05-05-2023 (New License)  
Valid Upto: 04-05-2024 (For details, refer Annexure)

**Designated Officer**  
Date : 05-05-2023 16:24:56  
User Id : 107913  
Verified through mobile : 86XXXXXX04  
License Grant on : 05-05-2023 13:36:23  
License Issued On : 05-05-2023 16:24:56

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಕಾಯ್ದೆ.  
ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ.  
ಮೈಸೂರು.

- Annexures:**
- Product Annexure
  - Validity Annexure
  - Non-Form C Annexure
  - Conditions Of License

**Product Annexure**



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
License under FSS Act, 2006



License Number: 11223335000150

**Kind Of Business: Food Services - Club/Canteen**

Sl.No.	Product(s)
1	16 - Prepared Foods
2	14 - Beverages, excluding dairy products

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಕಾಯ್ದೆ.  
ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ.  
ಮೈಸೂರು.





**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



License Number: 11223335000149



1. Name & Registered Office address of Licensee: JSS ACADEMY OF HIGHER EDUCATION & RESEARCH  
JSS Academy Of Higher Education & Research, Hostel for Men, JSS College of Pharmacy Campus, Sri Shivarathreshwara Nagara, Mysore., Mysore, Karnataka-570015
2. Address of Authorized Premises: JSS Academy Of Higher Education & Research, Hostel for Men, JSS College of Pharmacy Campus, Sri Shivarathreshwara Nagara, Mysore., Mysore Mahanagar Palike II Circle , Mysore, Karnataka-570015
3. Kind of Business: Food Services - Club/Canteen
4. Dairy Business Details: No
5. Category of License: **State License**

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

Place: Mysore  
Issued On: 05-05-2023 (New License)  
Valid Upto: 04-05-2024 (For details, refer Annexure)

**Designated Officer**  
Date : 05-05-2023 16:22:00  
User Id : 107913  
Verified through Mobile : 86XXXXXX04  
License Grant on : 05-05-2023 13:35:36  
License Issued On : 05-05-2023 16:22:00

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಇಲಾಖೆ,  
ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ,  
ಮೈಸೂರು.

**Annexures:**

1. [Product Annexure](#)
2. [Validity Annexure](#)
3. [Non-Form C Annexure](#)
4. [Conditions Of License](#)

**Product Annexure**



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



License Number: 11223335000149

**Kind Of Business: Food Services - Club/Canteen**

Sl.No.	Product(s)
1	16 - Prepared Foods
2	14 - Beverages, excluding dairy products

**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
ಆಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಇಲಾಖೆ,  
ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ,  
ಮೈಸೂರು.



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



License Number: 11223323000181



1. Name & Registered Office address of Licensee: JSS ACADEMY OF HIGHER EDUCATION & RESEARCH  
JSS Academy of Higher Education & Research,  
PG Hostel for Men & Women, JSS Hospital  
Campus, M.G.Road, Agrahara., Mysore,  
Karnataka-570004
2. Address of Authorized Premises: JSS Academy of Higher Education & Research,  
PG Hostel for Men & Women, JSS Hospital  
Campus, M.G.Road, Agrahara., Mysore  
Mahanagar Palike I Circle , Mysore,  
Karnataka-570004
3. Kind of Business: Food Services - Club/Canteen
4. Dairy Business Details: No
5. Category of License: **State License**

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

Place: Mysore

Issued On: 05-05-2023 (New License)

Valid Upto: 04-05-2024 (For details, refer Annexure)

**Designated Officer**

Date : 05-05-2023 16:44:07

User Id : 107915

Verified through mobile : 86XXXXXX04

License Grant on : 05-05-2023 13:18:18

License Issued On : 05-05-2023 16:44:07

**Annexures:**

1. [Product Annexure](#)
2. [Validity Annexure](#)
3. [Non-Form C Annexure](#)
4. [Conditions Of License](#)

**Product Annexure**



**Form C**  
**Government of Karnataka**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



License Number: 11223323000181

**Kind Of Business: Food Services - Club/Canteen**

Sl.No.	Product(s)
1	16 - Prepared Foods
2	14 - Beverages, excluding dairy products

*Designated Officer*  
**ಅಂಕಿತ ಅಧಿಕಾರಿಗಳು**  
ಅಹಾರ ಸುರಕ್ಷತೆ ಮತ್ತು ಗುಣಮಟ್ಟ ಕಾಯ್ದೆ,  
ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವ್ಯಾಪ್ತಿ.  
ಮೈಸೂರು.

## SUMMARY ON THE ACTIVITIES OF JSSAHER SUPPORTING SDG 15

JSS Academy of Higher Education and Research (JSSAHER) demonstrates its dedication to advancing Sustainable Development Goal 15 (SDG 15) through a multifaceted and comprehensive approach that encompasses various aspects of environmental conservation and sustainable land management.

First and foremost, JSSAHER maintains a green and biodiverse campus that serves as a living testament to its commitment to the protection and restoration of terrestrial ecosystems. Within its campus, the institution hosts a herbal garden and preserves teak tree forests, both of which contribute significantly to conserving and restoring various types of ecosystems. These green spaces not only provide habitat for numerous species but also act as a refuge for biodiversity. JSSAHER's efforts align with the SDG target to conserve and restore terrestrial and freshwater ecosystems, promoting a balanced and sustainable coexistence between human activities and natural habitats.

The university's contribution to ending deforestation and restoring degraded forests is especially significant. Forests play a vital role in sequestering carbon, maintaining soil quality, and providing a habitat for various species. JSSAHER's commitment to this aspect of SDG 15 goes hand in hand with protecting biodiversity and natural habitats, a cornerstone of the goal.

In addition to its on-campus initiatives, JSSAHER actively supports events aimed at promoting conservation and sustainable land utilization, particularly in forested and wild areas. By participating in such activities, the institution contributes to the SDG's overarching objective of ending desertification and restoring degraded land. The university's commitment extends beyond its own campus boundaries, making a positive impact on the broader environment.

Furthermore, JSSAHER recognizes the critical importance of combating global poaching and trafficking, a major threat to many endangered species. By actively engaging in this endeavor, the university works to eliminate illegal wildlife trade and protect species on the brink of extinction, effectively addressing one of the key means of achieving SDG 15. JSSAHER also mobilizes financial resources to support the conservation and sustainable use of ecosystems and biodiversity. The institution's investment in rainwater harvesting, sewage treatment, and waste management aligns with the SDG's means of achieving its targets, as these activities are essential for conserving the environment and maintaining the overall quality of land and water resources.

The university's commitment to providing clean drinking water, maintaining sanitation and hygiene, and ensuring safe healthcare facilities exemplifies its focus on human well-being within the context of environmental sustainability. These actions support the goals of SDG 15 by promoting responsible and sustainable use of water resources and minimizing the impact of human activities on ecosystems.



Finally, JSSAHER's dedication to creating plastic-free campuses, organizing awareness campaigns, and actively participating in initiatives like the Swachh Bharat Abhiyan showcases the institution's commitment to promoting sanitation and hygiene, further contributing to the protection of terrestrial ecosystems.

In conclusion, JSSAHER's extensive and diverse range of activities and initiatives, both on and off its campus, demonstrate a comprehensive approach to supporting and advancing the goals of SDG 15. By addressing critical environmental and conservation objectives, JSSAHER actively contributes to creating a more sustainable future. Its initiatives promote a healthier environment, sustainable livelihoods, and climate resilience, ultimately working toward a society where the benefits of land-based ecosystems are safeguarded for current and future generations.

## "JSSAHER: Nurturing Green Campuses for a Sustainable Future"

