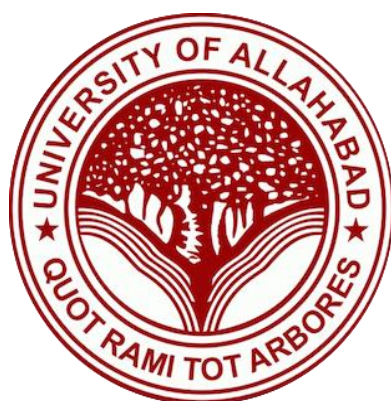


*Annual Report 2019-20*

# **Centre of Science and Society**

*Under*

*Institute of Interdisciplinary Studies (IIDS)*



**University of Allahabad**

**Prayagraj- 211002**

## 1. ABOUT-

**Centre:** Centre of Science and Society

With the approval of Academic Council vide Resolution No. 43/22dt.19.5.2015 and Executive Council Resolution No. 03/32 dt.2.6.15 and subsequent office Memorandum No. Comm. Sec./5243/2015 dt. 22.08.2015, the green signal was provided to start the M.Sc. IV semester CBCS based course in Rural Technology and Development under Institute of Inter Disciplinary Studies (IIDS) by the University of Allahabad with intake of 15 seats. The course was inaugurated by the Hon'ble Justice M. C. Tripathi of Allahabad High Court in 2015-16 and first batch has come out very successfully in 2017.

The University took lead to translate the PURA (Providing Urban Amminities in Rurral Area) of Dr APJ Kalam and its execution by PM Modi's Sansad Adarsh Gram Yojana by adopting Ramapur Village of Bahadurpur block in Phulpur Tehsil of Allahabad District. In 1<sup>st</sup> phase chakzhaura Moja purely SC populated with high percentage of Females have been selected by the University for their Upliftment. Centre has again adopted five (05) Villages of Koraon Block, Allahabad as an initiative of Unnat Bharat Abhiyan and MHRD, New Delhi. Moreover the Centre has got the responsibility of Post project Evaluation study of Saansad Adarsh Gram Yojna of 104 of Uttar Pradesh.

In campus selection 18 interested candidates have been selected and well placed from two successful batch of 15 students each. It is also worth to mention that University of Allahabad has been identified as spoke partner of Design and Innovation Centre of IIT-BHU getting funds from MHRD. **Further, the university approved the change of nomenclature from M.Sc. Rural Technology and Development to M.Sc. Design and Innovation in Rural Technology.**

The centre is working towards the ideas for doubling India's Rural GDP, Facilitating affordable technology development appropriate to the rural context and Focusing on the sectors include Agriculture, Health, Finance, Education, Vocational Training, Business Processing technologies etc. for rural India. At Centre of Science and Society, we try and welcome innovative ways of agro based rural industries/Industrial technologies such as Vermicomposting, Biofertilizers, Candle making, Dairy activities, Mushroom cultivation, floriculture, paper bag making, medicinal plant cultivation, apiculture etc.

## 2. VISION-

### VISION/OBJECTIVE

**ORIGIN-**To begin with a course dedicated towards overall development of rural technology, the Centre of Rural Technology and Development {M.Sc. (Four Semesters) Programme} under the Coordinator-ship/ Directorship (Honorarium basis) in Department of Botany, University of Allahabad, efforts will made to retrieve funds under **CSR** (Corporate- Social Responsibility) from Coal India, NTPC, IFFCO, and Private Industry viz., Kirloskar, Mahindra Tractors, Monsanto etc. In addition to this, the Ministry of Rural Technology and Ministry of Small and Medium Scale Industries, Govt. will also render support in establishing an independent centre of Rural Technology and Development

which will incorporate advancement of technological and social aspect of rural development.

### OBJECTIVES AT A GLANCE

- Assessment of rural area and people.
- Rural Entrepreneurships (self-employment through sericulture, lac farming, flower farming, mushroom culture, bee keeping, preparation of natural dyes, bio composting, E-waste management, Biofertilizers etc.).
- Safe and eco-friendly technologies promotion and their compatibility amongst villagers.
- Conservation and promotion of indigenous knowledge.
- Socio-nutritional-economic development of indigenous peoples through appropriate integrated technology and awareness.
- Generating awareness regarding government policies (monitoring and documentation).
- Rural planning and implementation of rural development projects.
- To develop skill in students to for aforementioned tasks.

### 3. Programmes of Study:

(Courses Run by the Centre)

S. No.	Programme of Study	Duration	No. of Seats	Specialization(s)
1.	Ph.D.		06 in 2019	Design and Innovation in Rural Technology
2.	M. Sc. Design and Innovation in Rural technology	2 years (4 semester)	15+02(EWS) =17	Rural Entrepreneurship, IT in Rural Development, Commercial Production Technology Rural Health Management

### 1. Faculty:

Details of the Faculty Members:

S. No.	Name	Designation	Permanent/Guest Faculty/ Ad hoc/ Temporary	Area of Specialization
1.	Dr. Rohit Kumar Mishra	Associate Professor & Coordinator	Permanent	Rural technologies for sustainable development; Herbal Antimicrobials, Organic farming; Nanotoxicity, Heritage agricultural; Bio-instrumentation; IPR, Microbes & its uses, Environmental microbiology
2.	Dr. Shashi Kant Shukla	Assistant Professor	Permanent	Commercial technologies, Basic Botany, Agriculture, Information technology,

				Rural development and its management
3.	Dr. Arpana Pandey	Assistant Professor	Permanent	Rural tech. and dev. Natural resource management, Production and post-harvest management, Rural health management, Information technology in rural development

**2. Supporting Staff: NA**

S. No.	Name	Gender	Category	Designation/work	Permanent/Temp. / Daily wager /Contract etc.
1.					
2.					
3.					
4.					
5.					

**3. Students:**

**(A) Details of Students, Year wise and Reservation wise (2019-2020): Total PG seats: 17**

Course	Gen			OBC			SC			ST			PwD			TOTAL		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Ph.D.	01	02	03	01	00	01	01	00	01									05
PG (17 Seats)	02	07	09	04	01	05	02	01	03									17
UG																		
Diploma																		
Any Other																		
Any Other																		
Total	03	09	12	05	01	06	03	01	04									22

**(B) Details of Research Scholars in the Department (enrolled in 2018-2019):**

S. No.	Name of Research Scholar	Area/ Subfield	Topic	Gender	JRF/ NET/ CRET	Category	Date of Enrollment
1.	Ashutosh Kumar Singh	Science and Society	Assessment and analysis of green Infra structure of Urban areas with special emphasis to environmental aspects	Male	CRET	GEN	22.01.2020
2.	Astha	Science and	Studies on impact of	Female	CRET	General	22.01.2020

	<b>Srivastava</b>	<b>Society</b>	herbal aroma with reference to biota				
<b>3.</b>	<b>Chanchal</b>	<b>Science and Society</b>	Impact of corporate social responsibility in rural development with special reference to women empowerment in uttar-pradesh	<b>Female</b>	<b>CRET</b>	<b>General</b>	<b>22.01.2020</b>
<b>4.</b>	<b>Pradeep Sahu</b>	<b>Science and Society</b>	Studies on innovative cost effective organic mushroom production with special reference to rural entrepreneurship	<b>Male</b>	<b>CRET</b>	<b>OBC</b>	<b>22.01.2020</b>
<b>5.</b>	<b>Mayank Mohan</b>	<b>Science and Society</b>	Impact of Pradhan Mantri Ujjwala Yojana (PMUY) over pulmonary health of rural women and inflammatory imprinting in mouse model	<b>Male</b>	<b>CRET</b>	<b>SC</b>	<b>22.01.2020</b>

#### 7. Seminars/Workshops/Conferences conducted by the department:

<b>S. No.</b>	<b>Name of the Seminar/ workshop/conference</b>	<b>National / International</b>	<b>Duration and dates</b>	<b>Funding/sponsor Agenc(y/ies)</b>	<b>No. of Participants</b>	<b>No. of Papers presented in</b>
<b>1.</b>	“Do’s & Don’ts In Rural Visits”(01day)	National (University Guest House, UoA)	01 day 03.08.2019	DIC, MHRD Project	50	
<b>2.</b>	“Identify budding youth towards Rural Development with Innovative Ideas”	National (D. D. Pant Auditorium, Department of Botany)	01 day 16.10.2019	DIC, MHRD Project	100	
<b>3.</b>	Innovative Idea Writing Competition-2020	National (Home Science Dept. UoA)	01 day 06.02.2020	DIC, MHRD Project	100	
<b>4.</b>	Innovative Idea Writing Competition-2020	National (Zoology Dept. UoA)	01 day 06.02.2020	DIC, MHRD Project	50	

**7. Training/orientation/refresher courses/special lectures conducted by the Department: (Special Lectures)**

S. No.	Name of the course	Duration and dates	Funding/sponsor	Speakers
1.	IRR with special reference to Rural Entrepreneurship	13/02/2020	DIC, MHRD	<b>Shri. Arvind K. Shukla</b> Advt. Supreme Court of India
2.	Role of Science for the welfare of the Society (Science Day)	28/02/2020	DIC, MHRD	<b>Prof. A. S. Raghubanshi</b> , Director, Institute of Sustainable Development, BHU,
3.	Rural Entrepreneurship	14/03/2020	DIC, MHRD	<b>Dr. Dibashis Banerji</b>

**8. Funding received during the period (amount/purpose/agency):**

S. No.	Agency (UGC/DST/CSIR/ICSR etc.) (including Allahabad University annual grants)	Purpose (Infrastructure/ upgradation / conference /seminar/ training etc.)	Amount
1.	Allahabad University annual grants	Lab Grant	<b>1.5 Lakhs</b>
2.	Ministry of Rural Development (MoRD), Govt. of India	Evaluation of Dr. Shyama Prasad Mukherji RURBAN Mission	<b>Rs. 7,72,790/-</b>

**9. Research Projects:**

S. No.	Name of Project	Duration	Funding Agency	Total Amount	Principal Coordinator	Annual Grants (2019-20)
	Evaluation of Dr. Shyama Prasad Mukherji RURBAN Mission of Uttar-Pradesh by MoRD, Govt. of India.	Up to 01 Year	Ministry of Rural Development (MoRD), Govt. of India Ref. No. 506246/2019/NLM	<b>Rs. 37,08,210/-</b>	<b>Dr. Rohit Kumar Mishra</b>	Rs. 7,72,790/-
1.	Rural Innovation Centre, DIC, MHRD	04 years	MHRD, Govt. of India	<b>50 Lakhs</b>	<b>Dr. Rohit Kumar Mishra</b>	Rs. 10, 85, 168/- (2018-19)
2.	Post Project Evaluation Study of 104 Gram Panchayat of Saansad Adarsh Gram Yojana (SAGY) of 1st phase of Uttar Pradesh	06 Months	Ministry of Rural Development, New Delhi	<b>46.0 Lakhs</b>	<b>Prof. Anupam Dikshit</b>	Rs. 12,19,666/- Lakhs

**10. Academic Organizations (headquartered in the department): NA**

S.No.	Name	Nature (National/ International)	Objectives
1.			
2.			

**11. Journals published by the department: NA**

S. No.	Title	Nature (National/ International)	Established	Annual/bi- annual /quarterly	ISSN
1.					
2.					
3.					

**12. Other publications (Book chapter etc.):**

S. No.	Title	Type	Author(s)	Publication	ISSN/ISBN
1.	Medicinal and Aromatic Plants: Store House to Herbal Antimicrobials. Book Name: <i>Advances in Pharmaceutical Biotechnology (Springer)</i>	<b>Book Chapter</b>	Singh, R., Pandey, A., <b>Mishra, R.K.,</b> Shukla, A.C. and Dikshit, A. (2020).	Springer Nature Singapore Pvt. Ltd. (International)	ISBN 978- 981-15- 2194-2.

**13. Publications: (During 2019-20) (attach separate sheets if required):**

S. No.	Nature*	Title	Published in	Authors(s)	ISSN/ISBN
1.	Book Chapter	Medicinal and Aromatic Plants: Store House to Herbal Antimicrobials.	<i>Advances in Pharmaceutical Biotechnology</i> , Chapter 3 pp 29-38. DOI: 10.1007/978-981-15-2195-9_3 © Springer Nature Singapore Pvt. Ltd.	Singh, R., Pandey, A., <b>Mishra, R.K.,</b> Shukla, A.C. and Dikshit, A.	ISBN 978- 981-15- 2194-2.

\*Nature: RPj= Research paper in Journal, RPb=Chapter in Book, RPC=Full Paper in conference proceedings, PR= Review Article; B=Book, edB=Edited book etc.

❖ **Future Projections:**

❖ **Proposed Courses**

S. No.	Name of Programme	Nature (Degree /Diploma/ training)	Duration	Proposed or In process (If proposed enclose copy of proposal)	Intake of Students	Remarks

		etc.				

❖ **Proposed Projects/SAP Grants etc. NA**

S. No.	Type of Project/grant	Title/Name	Duration	Proposed amount	Proposed or In process (If proposed enclose copy of proposal)	Remarks
1.	Research project Submitted by Dr. Rohit K. Mishra	Dissemination of knowledge of traditional herbals for maintaining routine health and hygiene	03 Years	Rs. 23,56,000/-	--	Agency: DST
2.	Research project Submitted by Dr. Arpana Pandey	Innovative initiative for menstrual health management in Rural Prayagraj District	02 Years	Rs. 22,00,000/-	--	Agency: ICSSR

**14. Problem Areas:**

(Mention problem areas for the department – point-wise)

**1. Lack of Computer Laboratory**

**2. Lack of Infrastructure**

**2. Lack furniture and cooling device (AC) in our centre**

**3. Lack of laboratory for Research Scholars**

**15. Awards/ Achievements:**

**Awards of Dr. Rohit K. Mishra, Coordinator, CSS, IIDS, UoA**

1. 28/09/2019: Dr. Rohit Kumar Mishra: Key note Speaker on National Seminar on “Environment issues and Rural Development” at Shyama Kumari P.G. College (Affiliated with Rajju Bhaiya State University), Prayagraj.

2. 14/12/2019: Dr. Rohit Kumar Mishra: Chief Guest One day Training Programme on Mushroom cultivation and Organic Farming for Entrepreneurship at SVNU, Sagar, Madhya Pradesh.

3. 07/02/2020: Certificate of Appreciation received by Dr. Rohit Kumar Mishra for Excellent performance by the Centre of Science and Society, IIDS, UoA during DIC, MHRD, Meet at Motilal Nehru National Institute and Technology (MNNIT), Prayagraj.

4. 17/01/2020: Dr. Rohit Kumar Mishra, represented University of Allahabad during RURBAN meeting at NIRD & PR, Hyderabad sponsored by Ministry of Rural Development (MoRd), New Delhi.



## Activities of Centre of Science and Society, IIDS, UoA, Session (2019-2020)



**Fig. 1** One day Soil testing workshop for M.Sc. Design and Innovation in Rural Technology Students at Centre of Science and Society, IIDS, UoA



**Fig. 2** Gram Pravas for final year students of M.Sc. Design and Innovation in Rural Technology Students at Pakri Sewar Village with Prof. K.B. Pandey Former Vice Chancellor Kanpur & Chitrakoot Universities



**Fig. 3** One day workshop on “Do’s and Don’t’s during Rural Visits” at University Guest House sponsored by Vibha Vani and DIC MHRD Project, with Commisner NRLM Mr. Ajeet Singh; Prof. Anupam Dikshit FNASc., Shri Gopal Tiwari Ji, Dr. Rohit K. Mishra, Dr. Rajesh Kumar, Dr. Shashi Kant Shukla and Dr. Arpana Pandey



**Fig. 4** One day seminar on “Identify budding youth towards Rural Development with Innovative Ideas” at DD Pant auditorium under DIC MHRD project



**Fig. 5** Interaction of M.Sc. Students with Faculty member of Centre of Science and Society, University of Allahabad, Prayagraj



**Fig. 6** M.Sc. Students and Research Scholar of Centre of Science and Society, University of Allahabad visited Bioved Research Institute and interact with Director Dr. B.K. Dwevedi and Scientist Dr. Himanshu Dwevedi



**Fig. 7** Innovative Idea writing competition under DIC MHRD Project at Zoology Department and Home Science Department, UoA



**Fig. 8** DIC meet at MNNIT Allahabad under the supervision of Centre Coordinator Dr. Rohit K. Mishra



**Fig. 9** Special Talk under DIC Project on IPR with special reference to Rural Entrepreneurship by Shri Arvind Shukla Advocate Supreme Court of India



**Fig. 10** Invited talk by Prof. A.S. Raghubanshi FNA, Director, Institute of Sustainable Development, BHU under Vibha Vani Prayagraj Chapter on the occasion of National Science day



**Fig. 11** Presentation of Annual progress report and teachers meet at Centre of Science and Society, IIDS, UoA



**Fig. 12** Plantation in adopted village Ramapur, Block-Bahadurpur, Tahsil-Phulpur, District-Prayagraj



**Fig. 13** DIC meeting with Shri Nitish Kumar, MHRD under the supervision of Prof. R.K. Singh, Coordinator, DIC Project, University of Allahabad, Prayagraj



**DESIGN INNOVATION CENTRE**

## DIC, IIT-BHU Sponsored MHRD Project

Plant essential oil based Thymol, Lavender, Lemon Grass, Neem & Glycerol





# Sparsh

**GEL / LIQUID**

Wide Spectrum Herbal Hand Sanitizer

*Kills 99.9% germs, Alc. based*

**Formulated by :**  
**Rural Innovation Centre,**  
 Centre of Science & Technology, IIDS,  
 University of Allahabad, Prayagraj - 211002  
 E-mail: [css.uoa@gmail.com](mailto:css.uoa@gmail.com)  
 Mob.: 9340667658, 9305231487




**Fig. 14** University of Allahabad developed essential oil based herbal sanitizer at Rural Innovation Centre, under DIC project with supervision of Prof. R.K. Singh, Coordinator, DIC Project, University of Allahabad, Prayagraj



**Fig. 15** Honb'le Vice-chancellor University of Allahabad launched Hand Sanitizer (SPARSH) under banner of Design Innovation MHRD Project.



सेंटर ऑफ साइंस के असिस्टेंट प्रोफेसर ने बनाया सेनिटाइजर, कुलपति प्रो. आरआर तिवारी ने गुरुवार को किया लांच

# इविवि में बनाया औषधीय सेनिटाइजर 'स्पर्श'

## उपलब्धि-1

प्रयागराज | मित्र संवाददाता

इलाहाबाद विश्वविद्यालय के सेंटर ऑफ साइंस एंड सोसायटी के समन्वयक एवं असिस्टेंट प्रोफेसर डॉ. रोहित मिश्र ने औषधीय एंटीबैक्टीरियल ऑयल युक्त लिक्विड और जेल हैंड सेनिटाइजर 'स्पर्श' बनाया है। इस उत्पाद को एमएचआरडी की परियोजना डिजाइन इनोवेशन सेंटर के अंतर्गत तैयार किया गया है। हैंड सेनिटाइजर को लांचिंग कुलपति प्रो. आरआर तिवारी ने गुरुवार को की। प्रो. तिवारी ने कहा कि स्पर्श नामक यह सेनिटाइजर औषधीय गुणों से युक्त है जोकि हमारी त्वचा के लिए भी सुरक्षित है और इस विश्वव्यापी कोरोना महामारी के विरुद्ध कारगर है।

सेंटर ऑफ साइंस एंड सोसायटी के समन्वयक डॉ. रोहित मिश्र ने बताया कि



इविवि में बनाया गया हैंड सेनिटाइजर लांच करते कुलपति प्रो. आरआर तिवारी।

स्पर्श हैंड सेनिटाइजर में एल्कोहल के साथ अजवाइन के एसेंशियल ऑयल का प्रयोग किया गया है जिसमें 39.2% थाइमॉल पाया जाता है। इसको यूरोपीयन फार्मास्यूटिकल एसोसिएशन ने सेनिटाइजिंग तत्व के रूप में घोषित किया है। इसमें लेमन ग्रास एवं नीम के सत के साथ मिलसेरोल को भी डाला गया है जो कि हमारे हाथों की सुरक्षा के लिए उपयुक्त

है। डिजाइन इनोवेशन सेंटर के समन्वयक प्रो. आरके सिंह ने विश्वविद्यालय के इस प्रयास के लिए डीआईसी, आईआईटी बीएचयू के डॉ. मनोप अरोरा एवं एमएचआरडी को धन्यवाद दिया। इस अवसर पर रजिस्ट्रार प्रो. एनके शुक्ल, डीन साइंस प्रो. शंखर श्रीवास्तव, 'चौक प्रोक्टर प्रो. आरके उपाध्याय, डॉ. शैलेन्द्र राय, रवि निराला आदि मौजूद रहे।

## आधुनिक मशीन करेगी मोतियाबिंद की जांच

### उपलब्धि-2

प्रयागराज | अनिकेत यादव

बढ़ती उम्र के साथ आंखों में मोतियाबिंद की बीमारी आम है। इसको प्रारंभिक स्तर पर जांच करने के लिए एमएनएनआईटी ने आधुनिक मशीन ईजाद की है। इस मशीन से कोई भी साक्षर आंखों की स्क्रीनिंग कर सकता है। मोतियाबिंद की शुरुआत में ही जानकारी हो जाएगी और संबंधित व्यक्ति समय रहते इसका इलाज करा सकेगा। आंखों की जांच इमेज प्रोसेसिंग एंड लॉनिंग मशीन से होगी।

संस्थान के इलेक्ट्रॉनिक्स एंड कम्प्यूटेशन इंजीनियरिंग (ईसी) ब्रांच के एसोसिएट प्रोफेसर डॉ. बसंत कुमार और उनके शोध छात्र शाश्वत पाठक नैकेटरकेट डिटेक्शन एंड ग्रेडिंग सिस्टम



एमएनएनआईटी में बनी मशीन से मोतियाबिंद का फील्ड ट्रायल। • फाइट फोटो

से इमेज प्रोसेसिंग एंड लॉनिंग मशीन तैयार की है। इससे मोतियाबिंद की सुगमता से पहचान की जा सकेगी। डॉ. बसंत ने बताया कि इस मशीन को बनाने में तीन साल से अधिक समय लगा है। इस मशीन को कोई भी पढ़ा लिखा व्यक्ति संचालित कर आंखों की स्क्रीनिंग कर

सकता है। जांच में मोतियाबिंद के लक्षणों पर वह मरीज को आंख फिल्टर को रिफर कर देगा। डॉ. बसंत ने बताया कि इस मशीन का फंड ट्रायल के साथ ही गैटिंग भी हो चुक स्टार्टअप के जैएफ शोध छात्र कंपनी से समन्वय कर रहा है।

Plant essential oil based  
Thymol, Lavender, Lemon Grass,  
Neem & Glycerol

## स्पर्श

औषधीय हस्त प्रशुभानक

**SparsH GEL**  
Wide Spectrum Herbal Hand Sanitizer

Formulated by:  
Rural Innovation Centre,  
Centre of Science & Technology,  
IDS, University of Allahabad,  
Prayagraj - 211002  
E-mail: css.uoa@gmail.com  
Mob.: 9340667658

**Key Ingredients:**  
Thymol (Thyasperrum arven L.) 0.04%,  
Lavender (Lavandula angustifolia ml)  
(Lavender) 0.02%, Cymbopogon flexuosus  
nee ex. Steud. (Lemon grass) 0.02%,  
Azadirachta indica 0.02%, Glycerol 0.02%,  
Isopropyl Alcohol (IPA 70%) w/w. Gel Base

**DIRECTIONS FOR USE:**  
Use undiluted for rapid hand  
antiseptis. Dispense sufficient  
quantity to wet hands and finger-  
nails. Rub vigorously over all  
surfaces until dry.

**PRECAUTIONS**  
Do not mix with any detergents  
or chemicals. Keep away from  
eyes & ears. Contraindicated in  
case of known hypersensitivity  
to alcohol.

Kills 99.9% germs, Alc. based

DIC, IIT-BHU  
Sponsored MHRD Project  
Centre of Science & Society, IDS,  
University of Allahabad, Prayagraj

Net Content: 200 ml  
MRP (incl. of all taxes): Not for Sale  
Batch No./Mfg. Date

For external use only.

## SparsH

Wide Spectrum Herbal Hand Sanitizer

Formulated by:  
Rural Innovation Centre,  
Centre of Science & Technology,  
IDS, University of Allahabad,  
Prayagraj - 211002  
E-mail: css.uoa@gmail.com  
Mob.: 9340667658

**Key Ingredients:**  
Thymol (Thyasperrum arven L.) 0.04%,  
Lavender (Lavandula angustifolia ml)  
(Lavender) 0.02%, Cymbopogon flexuosus  
nee ex. Steud. (Lemon grass) 0.02%,  
Azadirachta indica 0.02%, Glycerol 0.02%,  
Isopropyl Alcohol (IPA 70%) w/w. Gel Base

**DIRECTIONS FOR USE:**  
Use undiluted for rapid hand  
antiseptis. Dispense sufficient  
quantity to wet hands and finger-  
nails. Rub vigorously over all  
surfaces until dry.

**PRECAUTIONS**  
Do not mix with any detergents  
or chemicals. Keep away from  
eyes & ears. Contraindicated in  
case of known hypersensitivity  
to alcohol.

Kills 99.9% germs, Alc. based

DIC, IIT-BHU  
Sponsored MHRD Project  
Centre of Science & Society, IDS,  
University of Allahabad, Prayagraj

Net Content: 200 ml  
MRP (incl. of all taxes): Not for Sale  
Batch No./Mfg. Date

### इविवि ने विकसित किया औषधीय सेनिटाइजर

प्रयागराज। सेंटर ऑफ साइंस एंड सोसायटी इविवि की ओर से औषधीय एंटीबैक्टीरियल ऑयल युक्त लिक्विड और जेल हैंड सेनिटाइजर 'स्पर्श' विकसित किया गया है। इस उत्पाद को एमएचआरडी की परियोजना डिजाइन इनोवेशन सेंटर के तहत तैयार किया गया है। हैंड सेनिटाइजर 'स्पर्श' का लोकार्पण कुलपति प्रो. आरआर तिवारी ने किया। कुलपति ने बताया कि यह सेनिटाइजर औषधीय गुणों से युक्त है, जो हमारी त्वचा के लिए भी सुरक्षित है और इस विश्वव्यापी कोरोना महामारी के विरुद्ध कारगर है। सेंटर ऑफ साइंस एंड सोसायटी के समन्वयक डॉ. रोहित कुमार मिश्र बताया कि सेनिटाइजर में एल्कोहल के साथ अजवाइन के एसेंशियल ऑयल का प्रयोग किया गया है। इसमें 39.2 फीसदी थाइमॉल पाया जाता है। सेनिटाइजर में लेवेंडर एसेंशियल ऑयल का भी प्रयोग किया गया है, जिसमें लिनालूल नामक वायरस रोधी तत्व प्रचुरता से पाया जाता है। इसमें लेमन ग्रास एवं नीम के सत के साथ मिलसेरोल को भी डाला गया है जो हमारे हाथों की सुरक्षा के लिए उपयुक्त है।

### बगैर परीक्षा प्रमोट करने की फिर मांग

इविवि ने तैयार किया हैंड सेनिटाइजर

प्रयागराज। कोरोना महामारी के कारण शिक्षण के बीच भी सुरक्षा के लिए सेनिटाइजर का उपयोग किया जा रहा है। इससे छात्रों को परीक्षा में प्रमोट करने में मदद मिलेगी।

इविवि ने तैयार किया हैंड सेनिटाइजर

प्रयागराज। कोरोना महामारी के कारण शिक्षण के बीच भी सुरक्षा के लिए सेनिटाइजर का उपयोग किया जा रहा है। इससे छात्रों को परीक्षा में प्रमोट करने में मदद मिलेगी।

Fig. 16 SPARSH: essential oil based herbal sanitizer developed under DIC MHRD Project reported by several print and digital media.