



MAHATMA GANDHI UNIVERSITY
of
MEDICAL SCIENCES & TECHNOLOGY
JAIPUR

REGISTRATION LETTER

Campus:

RIICO Institutional Area, Sitapura, Tonk Road, JAIPUR – 302 022 (Raj.) INDIA | Phone : +91-141-2771804 • 2771777 | Fax : +91-141-2771805 • 2771807
Website : www.mgumst.org | Email : info@mgumst.org | **Sponsoring Body : India Education Trust**



The number of start-ups incubated on campus during the last five years

S. No.	Name of the start-up	Nature of start-up	Year of commencement
1	Toothzy - Dental App (or) Toothzy - Mobile Application (or) Mobile-Based Software Application "Toothzy"	Institutional	2022-23
2	Sakshya - Empower Evidence Based Health Care Decisions	Institutional	2022-23
3	Surgical Mask Recycle (Pollufree)	Institutional	2022-23
4	Gum Pad Cleaner (or) A Novel Product for Child's Oral Care	Institutional	2022-23
5	TOOTHSENS - A Portable Device (or) A Portable Device of Sensor- Enhanced Manual Toothbrush for Optimal Oral Care	Institutional	2022-23
6	Artifingers - Luciform wax carver	Institutional	2022-23
7	Brain Relaxation Therapy Device in Naturopathy	Institutional	2021-22
8	Kneedhara Device in Naturopathy	Institutional	2021-22
9	Colon Detoxification Device in Naturopathy	Institutional	2021-22
10	Alternate Therapy for Dental Caries in Children	Institution	2020-21
11	Allergy Clinic	Institution	2020-21
12	Occupational Therapy Center for Autism research Unit	Institution	2020-21
13	Non-Communicable Disease Lab	Institution	2019-20

Campus:



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
MOE'S INNOVATION CELL



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

Institute Name:

MAHATMA GANDHI UNIVERSITY OF

Title of the Innovation/Prototype:

Camouflage of Disposable Syringe

Team Lead Name:

Dr. Shradha Jain

Team Lead Email:

dr.shradhajain97@gmail.com

Team Lead Phone:

8160086808

Team Lead Gender:

Female

FY of Development:

2022-23

Developed as part of:

Independent Assignment/Non-academic Study Project

Innovation Type:

Product

TRL LEVEL:

6

MRL Level:

MRL 3: Manufacturing proof of concept developed

IRL Level:

IRL 1: Basic Research (Need Identification & Peer Review Publications) & Completed First-Pass Business Model Canvas (BMC)

Theme:

Healthcare & Biomedical devices.,

Define the problem and its relevance to today's market / society / industry need:

Sight of injection is considered as threat by every children. Injection makes them uncomfortable and fearful. Child avoid to go to doctor due to fear of injections. Uncooperation of child is obstacle for doctors in administering drug to child, for dentist it becomes difficult in administering local anesthesia to relieve pain. Various other sectors use syringes for intradermal, intravenous, intraoral, sub-cutaneous and other routes for administering drugs. Disposable syringes are widely used for all these procedures. To overcome child's fear here's a solution to camouflage the fearful sight of syringe.

Describe the Solution / Proposed / Developed:

Disposable syringes are widely used in most of the injection procedures today. It's best to camouflage this currently most used syringes. Our product is designed to camouflage the disposable syringes to overcome fear and anxiety of child on seeing syringe. This device can be clipped on the disposable syringe masking the syringe, and it maintains all the functional aspects of disposable syringe placed underneath it.

Explain the uniqueness and distinctive features of the (product / process / service) solution:

The camouflage is designed to cover disposable syringes. It can be clipped over a disposable syringe. Maintains functional aspect of disposable syringe and its beautiful colour and shape give it a toy like appearance which becomes attractive for child so that child feel comfortable during the procedure. It can be reused after sterilization so one product can be used in different patients.

How your proposed / developed (product / process / service) solution is different from similar kind of product by the competitors if any:

The product is made specially to cover disposable syringes. Till date market has one product which covers metal syringes. But metal syringes have limited applications as compared to disposable syringes. Disposable syringes can be camouflaged with our product maintaining aesthetics and function of the syringe.

Is there any IP or Patentable Component associated with the Solution?:

Yes

Has the Solution Received any Innovation Grant/Seefund Support?:

No

Are there any Recognitions (National/International) Obtained by the Solution?:

Yes

Copy of Latest Achievement: [View File](#)

***Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

No

Had the Solution Received any Pre-Incubation/Incubation Support?:

No

Video URL:

<https://www.kapwing.com/videos/6411808d6e9f6d00111e4d3b>

Innovation Photograph:

[View File](#)

Downloaded on: 18-10-2023

This report is electronically generated against Yukti - National Innovation Repository Portal.



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
MOE'S INNOVATION CELL



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

Institute Name:

MAHATMA GANDHI UNIVERSITY OF

Title of the Innovation/Prototype:

Sakshya - empower evidence based healthcare decisions.

Team Lead Name:

Pragati Kaurani

Team Lead Email:

drpragati@mgumst.org

Team Lead Phone:

9829663314

Team Lead Gender:

Female

Website (if any):

null

Startup/Venture Registered as:

Not Yet Registered as an entity

Does your Startup/Venture Recognized by DPIIT, Startup India?:

No

Name a Key Innovation which is Core to the Startup /Venture:

online portal for patients to interpret medical research papers

Year of Started Receiving Pre-

incubation/IncubationSupport for the Development of

Innovation-Startup from the Institute (FY):

2022-23

The Key Innovation which is Core to your
Startup /Venture was Developed as:

Independent Assignment/Non-academic
Study Project

Choose the Type of
Innovation:
Service

TRL LEVEL:

4

The Sector/Domain of Focus of the Innovation/Startup / Venture:

Healthcare & Biomedical devices.,Other Emerging areas Innovation for Start-up,Software - Mobile App Development,Software - Web App Development,

Define the problem and its relevance to today's market / society / industry need:

Due to large amount of information available through reliable or unreliable sources, treatment decision making becomes difficult for common man. Moreover, available scientific literature is not readable by common man due to it's complex scientific language. We intend to provide a solution by building a one stop portal which explains best available scientific evidence and approach to treatment. Best scientific papers shall be screened, information shall be deciphered and made easy and simple to understand using graphical content. Anyone who has to undergo a medical /dental treatment and wishes to understand reliable scientific data available can be potential market.

Describe the Solution / Proposed / Developed:

Explain the uniqueness and distinctive features of the (product / process / service) solution:

How your proposed / developed (product / process / service) solution is different from similiar kind of product by the competitors if any:

Is there any IP or Patentable Component associated with the Solution?:

No

Did the venture/startup receive any innovation grant from the Institute?

No

Did the venture/startup receive any innovation grant from any external sources, so far?

No

Did the venture/startup raise any Angel/Venture Capital Investment so far?

No

Are there any recognitions/awards received by the venture/startup for the innovation in National/International Competitions?:

No

Upload the Audited copy of the financial Statement clearly indicating the FY and Annual turnover amount of Rs. 50 Lakhs or above:

No

**INSTITUTION'S
INNOVATION
COUNCIL**

(Ministry of Education Initiative)

Define the Problem – Solution fit achieved/to be achieved by the Startup: Briefly explain the relevance of the innovative solutions are being offered by the startup and what/whose problem (Industry/Society/Market) these are solving:

Due to large amount of information available through reliable or unreliable sources, treatment decision making becomes difficult for common man. Moreover, available scientific literature is not readable by common man due to it's complex scientific language. We intend to provide a solution by building a one stop portal which explains best available scientific evidence and approach to treatment. Best scientific papers shall be screened, information shall be deciphered and made easy and simple to understand using graphical content. Anyone who has to undergo a medical /dental treatment and wishes to understand reliable scientific data available can be potential market.



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
MOE'S INNOVATION CELL



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

Institute Name:

MAHATMA GANDHI UNIVERSITY OF

Title of the Innovation/Prototype:

Surgical Mask Recycle

Team Lead Name:

Rohan Srivastava

Team Lead Email:

r.shrivastav009@gmail.com

Team Lead Phone:

7073663816

Team Lead Gender:

Male

FY of Development:

2022-23

Developed as part of:

Academic Requirement/Study Project

Innovation Type:

Product

TRL LEVEL:

1

Theme:

Healthcare & Biomedical devices.,

Define the problem and its relevance to today's market / society / industry need:

The problem addressed by the proposed solution is the increased biomedical waste i.e used surgical masks causing harm to environment due to their poor disposing methods and incineration of masks for disposing causing production of harmful gases which are health hazard to the growing society.

Describe the Solution / Proposed / Developed:

We are focusing on recycling of the surgical masks which were earlier incinerated and caused production of harmful chemicals and toxic gases which are hazardous to health. By recycling the surgical masks we ensure safety to our health and also use the recycled masks to produce daily routine objects such as water bottle, table etc.

Explain the uniqueness and distinctive features of the (product / process / service) solution:

The uniqueness of the idea is we are recycling the surgical mask which are till today incinerated and put under land fills. As well as the product is cost effective, renewable and eco friendly.

How your proposed / developed (product / process / service) solution is different from similiar kind of product by the competitors if any:

the proposed solution is different from the other product as it is renewable , eco friendly which makes it environment friendly and less hazardous and the product is also aesthetic in nature. The product is made by using polypropylene which makes it different and unique.

Is there any IP or Patentable Component associated with the Solution?:

Yes - IP not Filed

Has the Solution Received any Innovation Grant/Seefund Support?:

No

Are there any Recognitions (National/International) Obtained by the Solution?:

No

***Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

No

Had the Solution Received any Pre-Incubation/Incubation Support?:

No

Video URL:

null

Downloaded on:

This report is electronically generated against Yukti - National Innovation Repository Portal.



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
MOE'S INNOVATION CELL



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

Institute Name:
MAHATMA GANDHI UNIVERSITY OF

Title of the Innovation/Prototype:
a novel product for child's oral care

Team Lead Name:
Alka sharma

Team Lead Email:
alkasharma22082000@gmail.com

Team Lead Phone:
7691894591

Team Lead Gender:
Female

FY of Development:
2022-23

Developed as part of:
Academic Requirement/Study Project

Innovation Type:
Process

TRL LEVEL:
1

Theme:
Healthcare & Biomedical devices.,

Define the problem and its relevance to today's market / society / industry need:
Infants oral health care is a challenging task therefore the product works on maintaining the oral hygiene in infants.

Describe the Solution / Proposed / Developed:
The product is used to maintain oral hygiene in infants.

Explain the uniqueness and distinctive features of the (product / process / service) solution:
The product is easy and convenient to use and easy to handle in infant mouth.

How your proposed / developed (product / process / service) solution is different from similiar kind of product by the competitors if any:
Several studies and discussion has been done and therefore the product is unique in its basic and functional speciality.

Is there any IP or Patentable Component associated with the Solution?:
Yes - IP not Filed

Has the Solution Received any Innovation Grant/Seefund Support?:
No

Are there any Recognitions (National/International) Obtained by the Solution?:
No

***Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

No

Had the Solution Received any Pre-Incubation/Incubation Support?:

No

Video URL:

null

Generated on:

This report is electronically generated against Yukti - National Innovation Repository Portal.



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
MOE'S INNOVATION CELL



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

Institute Name:

MAHATMA GANDHI UNIVERSITY OF

Title of the Innovation/Prototype:

A portable sensor-enhanced manual toothbrush for optimal oral care.

Team Lead Name:

Drishti Jain

Team Lead Email:

dtjain.17@gmail.com

Team Lead Phone:

7852859816

Team Lead Gender:

Female

FY of Development:

2022-23

Developed as part of:

Academic Research Assignment/Industry Sponsored Project

Innovation Type:

Product

TRL LEVEL:

1

Theme:

Healthcare & Biomedical devices.,

Define the problem and its relevance to today's market / society / industry need:

The problem addressed by the proposed solution is the lack of real-time feedback and personalized guidance in manual toothbrushes, leading to ineffective brushing techniques and suboptimal oral care. Relevance - In today's market and society, there is a growing emphasis on oral health and the importance of maintaining good oral hygiene. The proposed solution addresses this need by incorporating sensor technology into a portable manual toothbrush, providing real-time feedback and personalized guidance for more effective brushing.

Describe the Solution / Proposed / Developed:

The solution is a sensor-enabled manual toothbrush that monitors brushing duration, pressure, and motion patterns. It offers real-time feedback and personalized guidance to improve brushing technique and enhance oral care routines.

Explain the uniqueness and distinctive features of the (product / process / service) solution:

The distinctive features of the product include its integration of sensor technology into a portable manual toothbrush, providing real-time feedback, personalized guidance, and data analysis capabilities. It merges innovation and convenience without the need for additional bulky equipment.

How your proposed / developed (product / process / service) solution is different from similar kind of product by the competitors if any:

The proposed solution sets itself apart from competitors by offering a sensor-enabled manual toothbrush with advanced features for real-time feedback and personalized guidance. While electric toothbrushes with sensors exist, the proposed solution caters to individuals who prefer manual toothbrushes, providing them with similar benefits in a more portable and affordable form.

Is there any IP or Patentable Component associated with the Solution?:

Yes - IP not Filed

Has the Solution Received any Innovation Grant/Seefund Support?:

No

Are there any Recognitions (National/International) Obtained by the Solution?:

No

***Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

No

Had the Solution Received any Pre-Incubation/Incubation Support?:

No

Video URL:

null

Downloaded on:

This report is electronically generated against Yukti - National Innovation Repository Portal.



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
MOE'S INNOVATION CELL



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

Institute Name:

MAHATMA GANDHI UNIVERSITY OF

Title of the Innovation/Prototype:

Lambent wax carver

Team Lead Name:

Garima Singh

Team Lead Email:

drgarimasingh1509@gmail.com

Team Lead Phone:

7011207408

Team Lead Gender:

Female

FY of Development:

2022-23

Developed as part of:

Academic Requirement/Study Project

Innovation Type:

Product

TRL LEVEL:

4

MRL Level:

MRL 1: Basic manufacturing implications identified

IRL Level:

IRL 1: Basic Research (Need Identification & Peer Review Publications) & Completed First-Pass Business Model Canvas (BMC)

Theme:

Education,

Define the problem and its relevance to today's market / society / industry need:

While the lecron carver has provided advancements in dental carving techniques, it is not without its drawbacks. The current design of the lecron carver may pose challenges in terms of achieving fine details and intricate shapes, often leading to suboptimal restorations. The manual control required for the device can contribute to potential inconsistencies in carving depth and contour precision. Furthermore, the ergonomic aspects of the existing lecron carver may warrant improvement. Prolonged use of the tool can lead to discomfort and strain, potentially affecting the efficiency and quality of dental procedures.

Describe the Solution / Proposed / Developed:

With this invention the aim is to help with the problem of the lack of grip and light while carving. We plan on adding a rubber grip so that it does not slip while carving activities. This invention lies in its ability to transform the way dental students perform carving procedures. By incorporating an adjustable LED light, the invention empowers dental practitioners with an unprecedented level of clarity and precision. This heightened visibility enables accurate assessment of carving depth, fine details, leading to improved restorations and better outcomes.

Explain the uniqueness and distinctive features of the (product / process / service) solution:

The inventive lambent wax carver with its adjustable LED light and ergonomic grip represents a groundbreaking advancement in the field of dental carving technology. The integration of these features significantly enhances visibility, precision, and ergonomic comfort, ultimately leading to superior dental restorations and a more efficient and enjoyable carving process for dental professionals.

How your proposed / developed (product / process / service) solution is different from similiar kind of product by the competitors if any:
Compared to the existing state-of-the-art lecron carvers, this innovative solution of lambent wax carver represents a substantial improvement. The integration of an adjustable LED light addresses a critical limitation of the traditional carver by providing optimal illumination precisely where it is needed. This advancement eliminates the need for external lighting sources, magnifying glasses, or awkward hand positioning to achieve adequate visibility. Furthermore, the ergonomic grip enhances the user experience by offering a secure and comfortable hold, thereby improving maneuverability and overall carving precision.

Is there any IP or Patentable Component associated with the Solution?:

No

Has the Solution Received any Innovation Grant/Seefund Support?:

No

Are there any Recognitions (National/International) Obtained by the Solution?:

No

***Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

No

Had the Solution Received any Pre-Incubation/Incubation Support?:

No

Video URL:

nil

Innovation Photograph:

[View File](#)

Downloaded on: 19-10-2023

This report is electronically generated against Yukti - National Innovation Repository Portal.



ORIGINAL

मूल/No : 138058



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 381572-001
तारीख / Date : 15/03/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **BRAIN RELAXING THERAPY DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 24-02 में 1. Dr. Manoj Kumar Sharma 2. Dr. Brijesh Kumar Sharma 3. Dr. Saurabh Jagtap 4. Dipanshu Sharma 5. Neelam Sharma 6. Hemdutt Jangir 7. Mahatma Gandhi University Of Medical Sciences (Mgumst) के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

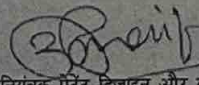
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-02 in respect of the application of such design to **BRAIN RELAXING THERAPY DEVICE** in the name of 1. Dr. Manoj Kumar Sharma 2. Dr. Brijesh Kumar Sharma 3. Dr. Saurabh Jagtap 4. Dipanshu Sharma 5. Neelam Sharma 6. Hemdutt Jangir 7. Mahatma Gandhi University Of Medical Sciences (Mgumst).

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

निर्गमन की तारीख/Date of Issue : 25/05/2023


महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्ताधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
MOE'S INNOVATION CELL



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

Institute Name:

MAHATMA GANDHI UNIVERSITY OF

Title of the Innovation/Prototype:

Brain relaxation therapy device

Team Lead Name:

Dr. Manoj Sharma

Team Lead Email:

drmanojsharma2014@gmail.com

Team Lead Phone:

9928858251

Team Lead Gender:

Male

FY of Development:

2021-22

Developed as part of:

Independent Assignment/Non-academic Study Project

Innovation Type:

Product

TRL LEVEL:

9

MRL Level:

MRL 7: Capability to produce systems, subsystems or components in a production representative environment.

IRL Level:

IRL 3: Validate Problem - Solution Fit (Confirmed Value Proposition & Techno-Economic Analysis) & Minimum Product Cost (Maturity of Core Technology)

Theme:

Healthcare & Biomedical devices.,

Define the problem and its relevance to today's market / society / industry need:

1 In the traditional method of shirodhara, the process has been unchanged for the past 5000 years. Manual labour presence, along with need of staff throughout the procedure is needed. Drawbacks of the traditional therapy have been far and wide, therefore, the utilization of this therapy has been narrowed. Temperature control is not possible with the traditional method, hence the procedure is not uniform.

Describe the Solution / Proposed / Developed:

Automated working no need for staff,,music,and aroma therapy available in this device desired temperature can be maintained vitals can read during therapy

Explain the uniqueness and distinctive features of the (product / process / service) solution:

Automated, Timed, controlled, Maintained uniform temperature Uses multiple senses like preconception, audio and olfactory. Hygienic and clean. vitals can read during therapy

How your proposed / developed (product / process / service) solution is different from similiar kind of product by the competitors if any:

Traditional Method new machine Manual Automated Need for physical labour, staff . No need for staff Music and aroma therapy not available Facility available in the equipment Temperature maintenance not possible Desired temperature can be maintained Inconsistent Consistent vital record not possible vital record possible

Is there any IP or Patentable Component associated with the Solution?:

Yes

Copy of IP/Patent Applied or Obtained: [View File](#)

Has the Solution Received any Innovation Grant/Seefund Support?:

Yes

Total grant fund amount (Rs.) Received from various sources: 53000

Grant fund amount (Rs.) Received From Institute/Incubation Unit: 0

Are there any Recognitions (National/International) Obtained by the Solution?:

Yes

Copy of Latest Achievement: [View File](#)

***Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

Yes

Registration Copy of Start-up / Enterprise Upload Photograph: [View File](#)

Had the Solution Received any Pre-Incubation/Incubation Support?:

Yes

Pre-Incubation / Incubation Unit Name:

IIC MGUMST

Innovation Photograph:

[View File](#)

Downloaded on: 21-10-2023

This report is electronically generated against Yukti - National Innovation Repository Portal.



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
MOE'S INNOVATION CELL



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

Institute Name:

MAHATMA GANDHI UNIVERSITY OF

Title of the Innovation/Prototype:

Knee dhara Device

Team Lead Name:

Dr. Manoj Sharma

Team Lead Email:

drmanojsharma2014@gmail.com

Team Lead Phone:

9928858251

Team Lead Gender:

Male

FY of Development:

2022-23

Developed as part of:

Academic Requirement/Study Project

Innovation Type:

Product

TRL LEVEL:

9

MRL Level:

MRL 8: Pilot line capability demonstrated. Ready to begin low rate production.

IRL Level:

IRL 3: Validate Problem - Solution Fit (Confirmed Value Proposition & Techno-Economic Analysis) & Minimum Product Cost (Maturity of Core Technology)

Theme:

Healthcare & Biomedical devices.,

Define the problem and its relevance to today's market / society / industry need:

When knee joint beging to get damage due to gout, osteoarthritis , rheumatoid arthritis , trauma ,osteoporosis ,over weight , obesity, weight lifting damage synovial membrane ,reduced synovial fluid & resulting pain with tenderness & patient face difficulty in walking. Then knee dhara is very useful & beneficial to repair& lubricate of knee joints

Describe the Solution / Proposed / Developed:

Their is a knee Dhara table & knee Dhara equipment also attached with table Patient lay down on this table and lukewarm medicated oil will be flowing on single or both knee This oil will be automatically rotated. Time ,pressure ,& temperature will be controlled by the controlling device This procedure is continued for 20 to 45 minutes , so oil is absorbed deeply in tissues & joints

Explain the uniqueness and distinctive features of the (product / process / service) solution:

KNEE DHARA No need udad aata Oil temperature can be maintained Oil rotates automatically No chances of leakage Massage Available Infra red Available

How your proposed / developed (product / process / service) solution is different from similiar kind of product by the competitors if any:

This device is fully automatic, massage facilities and infra red lamp facilities available ,temperature and time maintained in the device oil pressure and infra red controlled by regulator

Is there any IP or Patentable Component associated with the Solution?:
Yes

Has the Solution Received any Innovation Grant/Seefund Support?:
Yes

Are there any Recognitions (National/International) Obtained by the Solution?:
Yes

Copy of Latest Achievement: [View File](#)

***Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**
No

Had the Solution Received any Pre-Incubation/Incubation Support?:
No

Video URL:

<https://www.youtube.com/watch?v=Dhs533fDiHs>

Innovation Photograph:

[View File](#)

This report is electronically generated against Yukti - National Innovation Repository Portal.

Downloaded on: 21-10-2023

Institute Name:

MAHATMA GANDHI UNIVERSITY OF

Title of the Innovation/Prototype:

Colon Detoxification Device

Team Lead Name:

Dr. Manoj Sharma

Team Lead Email:

drmanojsharma2014@gmail.com

Team Lead Phone:

9928858251

Team Lead Gender:

Male

FY of Development:

2022-23

Developed as part of:

Academic Requirement/Study Project

Innovation Type:

Product

TRL LEVEL:

7

MRL Level:

MRL 5: Capability to produce prototype components in a production relevant environment

IRL Level:

IRL 3: Validate Problem - Solution Fit (Confirmed Value Proposition & Techno-Economic Analysis) & Minimum Product Cost (Maturity of Core Technology)

Theme:

Healthcare & Biomedical devices.,

Define the problem and its relevance to today's market / society / industry need:

Colon is the part of large intestine. Colon's function is to absorb water & salt from the digestive food. Bacteria present in the colon causes the breakdown of waste particles and convert it into the stool. The stool passed by the anus is a natural process but due to some causes like indigestion, colitis, bloating, the detox of colon cannot be done properly, in that case CDP becomes more beneficial.

Describe the Solution / Proposed / Developed:

Colonic irrigation involves inserting the nozzle of the equipment into the rectum to pass water in to the colon. An another tube is also attached to the nozzle for the removal of water and waste product. Approx 60 litres of water with control temperature pressure & timing is inserted in the colon for approx 45 minutes.

Explain the uniqueness and distinctive features of the (product / process / service) solution:

Water is used in a continuous minimum pressure (Continuous irrigate It cleans maximum part of colon It can only be performed by qualified trained staff which reduce error chances

How your proposed / developed (product / process / service) solution is different from similiar kind of product by the competitors if any:

yet only enema therapy clean of rectum, enema can clean minimum part of rectum but this machine can clean maximum part of rectum temperature and time can maintained

Is there any IP or Patentable Component associated with the Solution?:

No

Has the Solution Received any Innovation Grant/Seefund Support?:

Yes

Are there any Recognitions (National/International) Obtained by the Solution?:

Yes

Copy of Latest Achievement: [View File](#)

***Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

No

Had the Solution Received any Pre-Incubation/Incubation Support?:

No

Video URL:

https://www.youtube.com/watch?v=8W0gTix_Opk

Innovation Photograph:

[View File](#)

Downloaded on: 21-10-2023

This report is electronically generated against Yukti - National Innovation Repository Portal.