Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM)

[Earlier Known as Technopreneur Promotion Programme (TePP)]

An Initiative by Department of Scientific and Industrial Research (DSIR), Govt of India

DSIR,
New Delhi

CSIR-CSIO,
Chandigarh

DSIR-TePP Outreach cum Cluster Innovation Centre (DSIR-TOCIC)

CSIR-Central Scientific Instruments Organisation (CSIR-CSIO)

Sector 30-C, Chandigarh - 160 030

Customer Value Analysis

Customer Expectations

Customer Satisfaction Gap

Actual Product Performance

OPPORTUNITIES

(1) New Products
(2) Improvements
(3) New or Improved Processes (Production or Supporting or any other)

What is !nnovation?

!nnovation = Creativity + Commercialization

What is !nnovation?

- **Innovation** is the implementation of a new or significantly improved product (good or service), or process, a new marketing method, or a new organisational method in business practices, workplace organisation or external relations.
- *The main driver for innovation is often the courage and energy to better the world.*
- An essential element for innovation is its application in a commercially successful way.
- Innovation has changed human history (consider the development of electricity, steam engines, motor vehicles, Internet, Mobile Phones)

What is !nnovation?

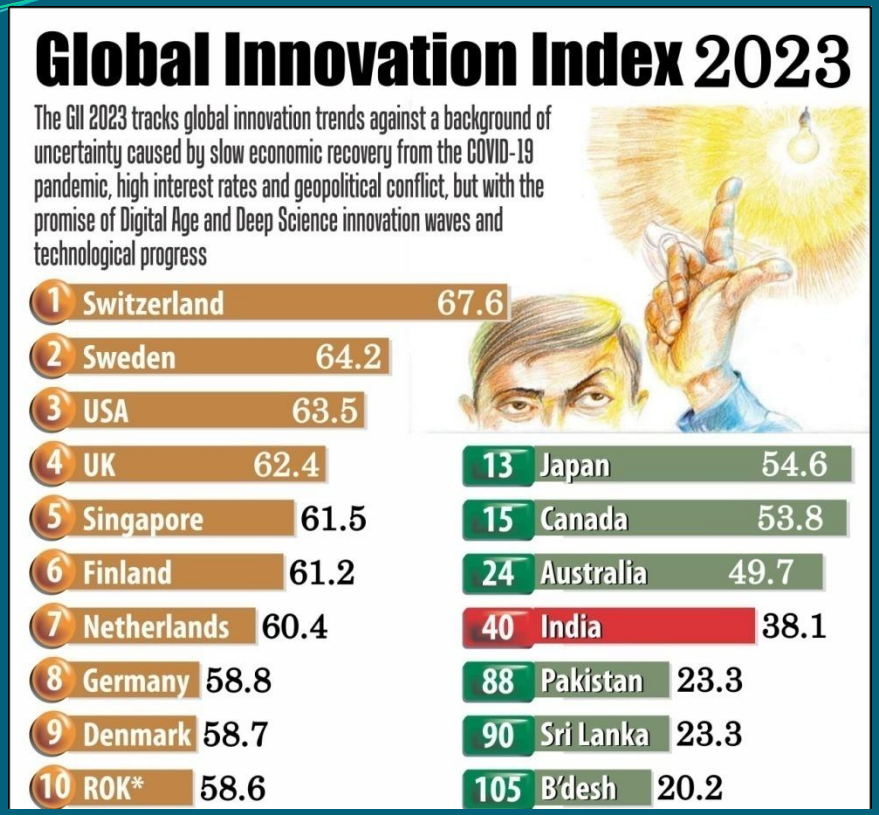
- Innovation involves the **whole process** from **opportunity identification, ideation or invention to development, prototyping, production, marketing and sales**, while **entrepreneurship** only needs to involve commercialization.

- Today it is also said to involve the **capacity to adapt quickly** by adopting new innovations (products, processes, strategies, organization, etc)

!nnovative Product Design

!nnovation + New or Existing Product + Optimum Design = Best Commercialised Product

India Rank in Global Innovation Index (GII) 2023



India Rank in Global Innovation Index (GII) 2023 – 40th

Innovation report card

Rank	Major States	Score
1	Karnataka	42.50
2	Maharashtra	38.03
3	Tamil Nadu	37.91
4	Telangana	33.23
5	Kerala	30.58
6	Haryana	25.81
7	Andhra Pradesh	24.19
8	Gujarat	23.63
9	Uttar Pradesh	22.85
10	Punjab	22.54

Rank	NE and Hill States	Score
1	Himachal Pradesh	25.06
2	Uttarakhand	23.50
3	Manipur	22.78
4	Sikkim	20.28
5	Mizoram	16.93

Rank	UTs And City States	Score
1	Delhi	46.60
2	Chandigarh	38.57
3	Daman & Diu	26.76
4	Puducherry	25.23
5	Goa	24.92

Source: NITI Aayog, India Innovation Index 2020

Introduction of PRISM/TePP Programme

- The "Technopreneur Promotion Programme" (TePP) was launched in 1998-99 by the Ministry of Science and Technology, GOI.
- TePP earlier jointly operated by the Department of Scientific and Industrial Research (DSIR) and Technology Information, Forecasting and Assessment Council (TIFAC) of the Department of Science and Technology (DST).
- Presently operated by DSIR, New Delhi alone since May 2008.
- TePP scheme relaunched with new name "PRISM" in 2014.
- TePP/PRISM is a mechanism to promote individual innovators to become Technology-based Entrepreneurs (Technopreneurs).

TePP is Now PRISM……..

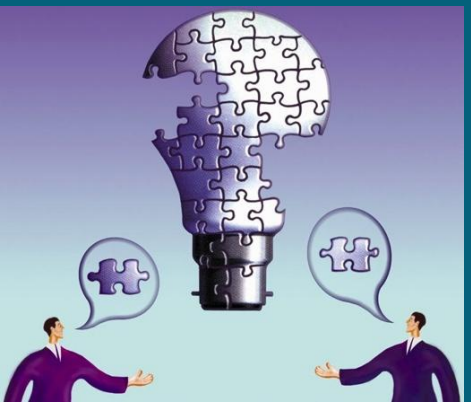
Promoting Innovations in Individuals, Start-ups and MSMEs (*PRISM*)

Objectives of PRISM Programme

- This programme has been designed to meet the following objectives:
  - To promote and support untapped creativity of individual innovators
  - To assist the individual innovators to become Technopreneurs
  - To assist the Technopreneur in networking and forge linkages with other constituents of the innovation chain for commercialization of their developments

Financial Supports Available in PRISM

- PRISM supports the following to meet the financial needs of the innovators:
  - **PRISM Phase - I (Individual Innovator Proposals)**
    - Category I: Proof of Concept/Prototypes/Models
    - Category II: Fabrication of Working Model/Process Know-how/Testing & Trial/Patenting/Technology Transfer
  - **PRISM Phase - II (Enterprise Incubation)**
    - Who desires to take innovation to market by becoming Technopreneur.
    - Entry for Innovators who have successfully completed PRISM/TePP Phase-I or other projects with support of Govt Institutions / Agencies
  - **PRISM-R&D Proposals (For helping MSMEs)**
    - For developing technology solutions aimed at helping MSME cluster.
    - Public Funded - R&D Institutes/ Autonomous Institutions/ Laboratories/Academic Institutes etc. can avail support to solve the common problem of MSMEs.



Financial Supports Available in PRISM

- **PRISM Phase I (Innovation Incubation)**
  - **Category I: Proof of Concept/Prototypes/Models**
    - ✓ **limited to Rs. 2.00 lakhs for micro budget innovations**
  - **Category II: Fabrication of Working Model/Process Know-how/Testing & Trial/Patenting/Technology Transfer**
    - ✓ **limited to Rs. 20.00 lakhs per project**

Financial Supports Available in PRISM

- **PRISM Phase II (Enterprise Incubation) and R&D Proposals**
  - ✓ limited to Rs. 50.00 lakhs.
  - ✓ Proposals aim at incubating enterprise promoted by PRISM/TePP Phase-I Innovator or Other projects supported by Government Institutions / Agencies may also be considered.

- **PRISM-R&D Proposals (For helping MSMEs)**
  - ✓ limited to Rs. 50.00 lakhs.
  - ✓ R&D Proposals from Autonomous Institutions/R&D labs or Academic Institutes etc in consultation/collaboration with MSME cluster for developing technology solutions aimed at helping MSME clusters.

Path to Become a Technopreneur

PRISM
Phase – I Support

PRISM
Phase – II Support

Innovator

Idea / Concept

New / Existing Product or Process

Upto Rs 20.00 lacs

Product/ Process

Product / Process Developed

Upto Rs 50.00 lacs

Production at Own Industry/ MSMEs

Technology Based Entrepreneur (Technopreneur)

Product / Process to the Market

Eligibility Criteria for PRISM

Who can apply?

- The PRISM is an attempt to tap the vast innovative potential of the Indian citizen, any innovator – say;
  - Student
  - Artisan
  - Housewife
  - Farmer
  - Mechanic
  - Scientist /Engineer /Doctor
  - Autonomous Institutions/R&D labs or Academic Institutes, etc.

- Innovator has an original idea/invention/know-how is eligible to apply under this programme.

* No Age bar
•No Qualification Required
• No Last Date

Activities Covered Under PRISM

- The activities covered under PRISM include providing financial support to innovators having original ideas for converting them into working models, prototypes and so on.
- PRISM assistance is provided to the innovator to meet expenditure on the following:
  - R&D/ Engineering consultancy
  - Procuring small equipment, tools etc.
  - Rent of Lab/Workshop/Space
  - Raw Material/ Accessories (for prototype/process trials)
  - Fabrication cost (for prototypes)
  - Patent guidance and support
  - Manpower
  - TA (within India)
  - Testing & Trials
  - Any other relevant costs

How PRISM Can Help You?

- **Selected projects will be provided financial support to undertake:**
  - ✓ Developments
  - ✓ Initial support such as patents, designs etc.
  - ✓ Guidance
  - ✓ Scientific/Technical consultancy
  - ✓ Fabrication assistance
  - ✓ Networking with related research laboratories/ institutes
  - ✓ Demonstration for users as required

Preference of Proposals under PRISM

- **The proposals shall preferably be in the following focus sectors:**
  - **Green Technology,**
  - **Clean Energy,**
  - **Industrially Utilizable Smart Materials,**
  - **Waste to Wealth,**
  - **Affordable Healthcare,**
  - **Water & Sewage Management,**
  - **Any Other Technology or Knowledge Intensive Area.**

Software development projects not considered under PRISM Scheme

CSIR-CSIO as TePP Outreach cum Cluster Innovation Centre (TOCIC)

- CSIR-Central Scientific Instruments Organisation (CSIR-CSIO), Chandigarh is a premier institution under Council of Scientific & Industrial Research (CSIR), New Delhi network and has rich experience in Research, Design & Development and Human Resource Development. It has an excellent team of Scientists, Engineers and Research scholars, specialists in the areas of Strategic, Optical, Medical and Agrionic instrumentation

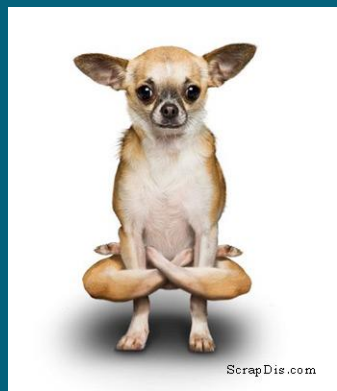
- To give boost to the activities of PRISM/TePP, Department of Scientific and Industrial Research(DSIR), New Delhi has selected CSIR-CSIO, Chandigarh as one of the DSIR-TOCIC.

Important Points for PRISM Program

- The proposals should have novelty/ innovation and commercial viability.
- Interested individual(s) may apply to PRISM for support giving complete details as per the desired format available of DSIR and CSIR-CSIO websites.
- Innovators are advised to protect their intellectual property rights (IPRs) by filling provisional patent application before revealing details in application, essential for evaluation or signing Confidentiality Disclosure Agreement (CDA).
- Individuals working in organisations or study in institutes & having innovative ideas may apply for PRISM support by furnishing a 'No Objection Certificate' from their employer.
- In general, only one proposal from an individual innovator would be considered at a time.

Important Points for PRISM Program

- **Women innovators are encouraged to apply.** DSIR-TOCICs will provide all assistance to them.
- **Detailed information and application form**, appropriate to the category, may be downloaded from Websites: www.dsir.gov.in and www.csio.res.in
- Application can be submitted through DSIR or at **DSIR-TOCIC, CSIR-CSIO, Chandigarh Centre or any DSIR-TOCIC centre.**



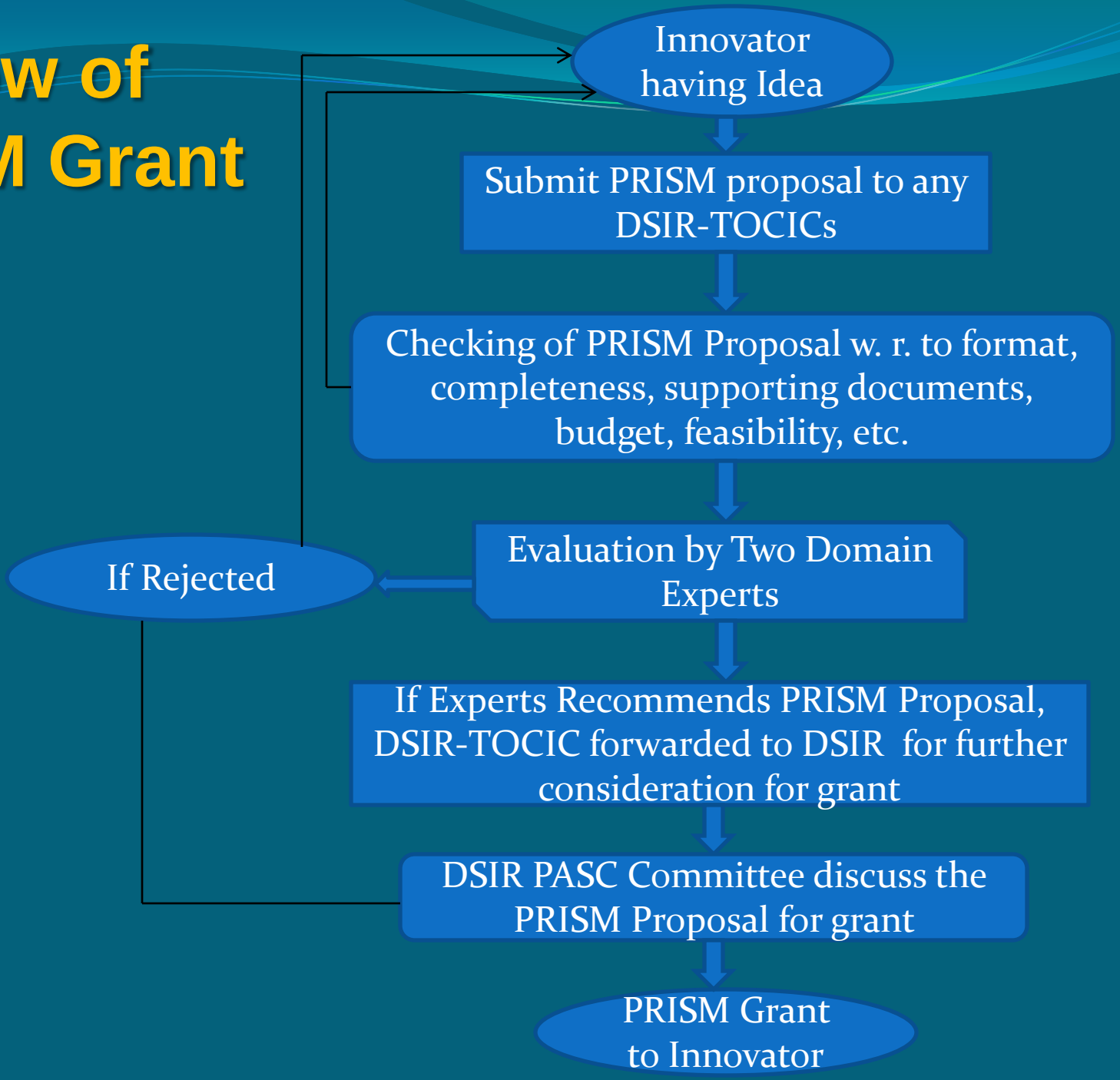
Important Points for PRISM Program

- IP Rights will be with Innovators after the successful development of PRISM product.
- PRISM Grant will be directly transfer to innovator bank account by DSIR, New Delhi through ECS/RTGS.
- Royalty earns from the PRISM product will be with Innovator.

IPRs, Profit, Royalty never shared by DSIR, DSIR-TOCICs with innovator.

100% Right of Innovator

Flow of PRISM Grant



TePP Grant Sanctioned at TUC-CSIO, Chandigarh

S. No.	TePP Category	No. of Proposals granted	Amount Sanctioned Under TePP Support
1.	**Microtechnopreneurship (TS)** a) "Novel Plant Cell Culture Medium from Biowaste (Fly Ash)" of Dr. Kakuli Biswas, Chandigarh b) "Development of Wet Diaper Alarm for Babies/Disabled" of Mrs. Veena Rani, Chandigarh c) "Wearable Beat Generator to Improve Speech Fluency" of Dr. Ravi Kapoor, Chandigarh	03	--- **Rs 67,500** **Rs 75,000** **Rs 70,000**
2.	**TePP Project Fund (TPF)** a) "Scientific Evaluation of a Herbal Medicine For Treatment of Asthma" of Mrs. Raj Katyal, Jalandhar b) "Higher Mileage Pollution Free Auto Diesel Engine" of Mr. Ramesh Kumar, Chandigarh c) "Digital Safety Cane for Visually Impaired" of Mr. Vikram Goel, Chandigarh	03	--- **Rs 6.09 Lacs** **Rs 5.00 Lacs** **Rs 4.00 Lacs**
3.	**Supplementary TePP Fund (STF)** **a)** "Laboratory Dialysis Device" by Dr. Parikshit Bansal, Mohali	01	---- **Rs 6.00 Lacs**
4.	**Seamless scale-up Support (S3T)**	Nil	----

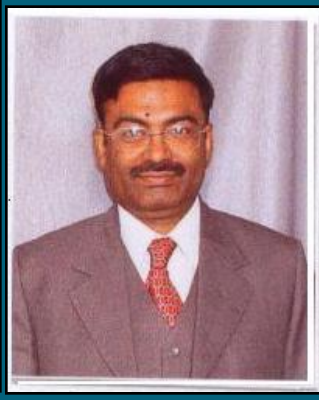
Project Successfully Completed at TUC-CSIO

❑ Technology Breakthrough Device for Laboratory Dialysis

- The product a simple device for laboratory dialysis has been developed by an inventor, Dr. Parikshit Bansal, NIPER, Mohali

- Patented in India and abroad (USA and Europe)

Photograph of the innovative laboratory dialysis device (US Patent No. 6368509) invented by Dr.Parikshit Bansal



Multi-sample processing using a single plate

Large Scale Industrial Unit (Processing capacity 10,000 ml or 10 liters)

Project Successfully Completed at TUC-CSIO

- Polyherbal Medicine Heralds Breakthrough in Asthma Treatment Under TePP Project Of CSIO, Chandigarh

Photograph of the innovative Herbal Medicine for the Treatment of Asthma invented by Mrs. Raj Katyal

Highlights/Media Coverage of the innovative Herbal Medicine for the Treatment of Asthma invented by Mrs. Raj Katyal

Project Successfully Completed at TUC-CSIO

❑ NOVEL MEDIA FOR PLANT TISSUE CULTURE FROM BIOWASTE (Fly Ash)

- This invention pertains to the field of biotechnology.
- More specifically it pertains to a novel media for plant tissue culture.
- In this invention – A novel plant tissue culture medium has been developed (named KFA). KFA is very low cost medium and less time consuming.
- This novel plant cell culture media- based on 'fly ash' in which the fly ash acts as a natural, low-cost, balanced source of macro and micronutrients.
- 'Fly ash' is major waste of the Thermal Power Plant (TPPs) which is useful ameliorant for the plants.
- Standardization of protocol on plants viz: Aloe vera and Lilium Asiatic.

Innovator Dr. Kakoli Biswas with her invention in vitro growth of Aloe vera in Fly Ash (Named MS and KFA Media)

Project Successfully Completed at TUC-CSIO

❑ Development of Wet Diaper Alarm for Babies/Disabled

- **Innovator, Mrs. Veena Rani from Chandigarh is a housewife**
- **A product in shape of Wet Diaper Alarm for prevention of infants/ disabled persons against the problems resulting from prolonged wetness.**
- **The product is safe, miniature gadget that will send an alert signal whenever a baby or a disabled person gets wet.**
- **Helpful to prevent the pneumonia and skin disease.**

Mrs. Veena Rani

Wet Diper Alarm Device

Project Successfully Completed at TUC-CSIO

❑ Wearable Beat Generator to Improve Speech Fluency

- **Innovator Dr. Ravi Kapoor is a Doctor in GMCH, Sector 32, Chandigarh**
- **An electronic beat generator that is small enough in size so as to be worn by user and helps in improving in speech rate and fluency.**

- **The person who is suffering from various types of speech disorders in which the rate of speech is altered and speech fluency is affected, are given treatment with speech therapy directed towards controlling the rate of speech and improve speech fluency.**

- **This product developed indigenously in India & when manufactured commercially, it will help to save foreign currency.**

- **This device has high utility for Indian users.**

Dr. Ravi Kapoor

Wearable Beat Generator

Project Successfully Completed at TUC-CSIO

❑ Digital Safety Cane for Visually Impaired, Innovator Mr. Vikram Goel

- Digital Safety Cane for Visually Impaired will be a next generation cane. This invention will help and protect the blind persons as claimed by the innovator to solves various vital problems such as:

i) Protection from diseases or infection
ii) Safety from electric equipments
iii) Inform the user whether the lights are ON or OFF
iv) Inform the user about the electrical threat while walking such as street poles, high tension wires etc.
v) Protection from stray dogs bite and monkey bite (i.e. protection from rabies)
vi) Help in Braille learning
vii) Help in identification of currency / notes
viii) Protection from shocks that's generate during collision and several other.

Digital Safety Cane with Disposable Cap attached at tips

DSIR/TePP/992/2011 Digital Safety Cane for Visually Impaired

13. End product/prototype developed along with specification and target achieved:

1) **Stylus:** for punching in Braille.

2) **PCIG:** Paper Currency Identification Gauge For recognizing currency note.

3) **Braille Note Taker:** For noting details in Braille

4) **Electric Field Detector:**

EFD power up switch and range selector:
- Far Field Detector
- Near Field Detector

Charger socket for recharging EFD

5) Foldable Unit of DSC, coated with photo luminescent material to as we can see it glowing in dark.

The foldable unit is made of aluminum alloy. It is coated with electrically insulated material to provide additional safety from electrical current.

6) Tip of the cane.

PRISM Successful Stories at DSIR-TOCIC-CSIO

❑ Innovative energy saving furnace with recuperator

- **"Innovative energy saving furnace with recuperator"** of Mr. Prabhjot Singh, Assistant Professor, Chitkara University, Rajpura – Phase-I (Category-II)

- **PRISM Support Rs 16.95 Lakh (total project cost 18.85 Lakh)**
- **Developed furnace have following features:**
  - ✓ Fuel and energy saver.
  - ✓ Environmental friendly.
  - ✓ Low cost equipment, which is approachable for small scale industry and engineering institutes, who want to work in this field.
  - ✓ Facilities of using different kind of fuels like LDO, diesel, Jathrofa, furnace oil, and kerosene oil etc.
  - ✓ Minimum workers should be engaged for operation.
  - ✓ Consume less fuel and give more melting metal.

Won 'Innovator Award' (Cash award of Rs 50,000/-) form Punjab State Council for Science and Technology, Govt of Punjab

PRISM Successful Stories at DSIR-TOCIC-CSIO

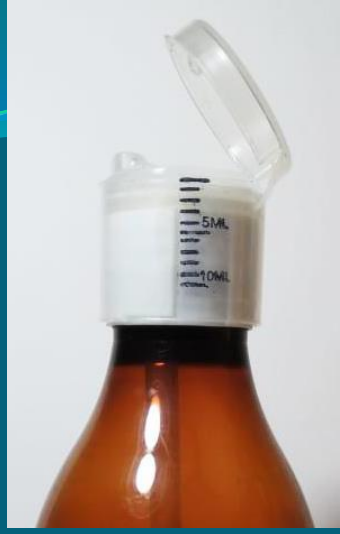
❑ Development of Peripheral Blood Smear Instrument

- **"Development of Peripheral Blood Smear Instrument"** of Mr. Sandeep Khuba Zope, Palghar, Mumbai, Maharastra – Phase-I (Category-II)

- PRISM Support Rs 15.60 Lakh (total project cost 17.40 Lakh)
- Developed instrument with following features:
  - ✓ Less involvement of technical staff
  - ✓ Accurate staining every time
  - ✓ It is fast and more accurate
  - ✓ If slide stain by "SLIDE STAINER" auto strainer, technical staff can spend there voluble time for study of slide and rest of other work it will increase productivity of technical staff
  - ✓ Very compact design & Portable, so can carry on field camps
  - ✓ Fast process of stain

Won 'National Societal Innovation Award'
(Cash award Rs. 3.00 lakh) of National Research Development Corporation (NRDC), Govt. of India

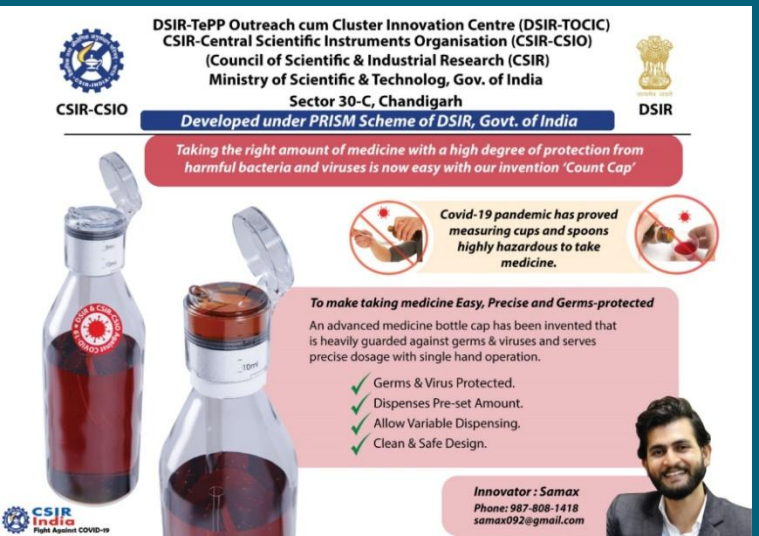
PRISM Successful Stories at DSIR-TOCIC-CSIO



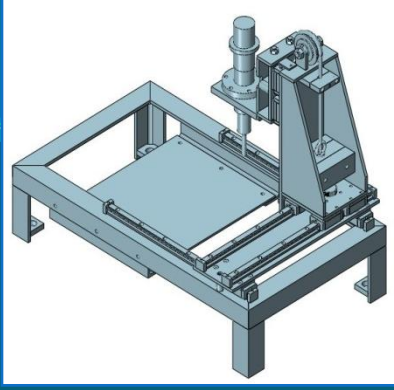
- **"Development of Count-Cap" of Mr. Samax, Kurukshetra (HR)**
  - **Phase-I (Category-II)**

- **PRISM Support Rs 6.00 Lakh (Total project cost Rs 6.60 Lakh)**

- **Developed Count- Cap having following features:**
  - ✓A smart mechanical bottle's cap, providing features of direct Measuring, Controlling & Pre-setting of fluid amount which passes through it.
  - ✓Accurate volume of drug/medicine to be consumed by patients
  - ✓ Utilized in Chemical Laboratories & Food Industries



PRISM Successful Stories at DSIR-TOCIC-CSIO



- **"Design & Development of Ultrasonic Impact Test Unit for Enhancing the Fatigue of HSLA Steels" of Dr. S. Shankar from Bengaluru (KN)**
  - **Phase-I (Category-II)**

- **PRISM Support Rs 8.00 Lakh (Total project cost Rs 9.90 Lakh)**

- **Ultrasonic Impact Test Unit have following features:**
  - ✓ **Portable unit**
  - ✓ **Job can be taken to equipment or the impactor can be used to treat the welds.**
  - ✓ **Reduce stress concentration at weld toe and create a nano crystalline layer, both of them contribute to the betterment of fatigue performance.**
  - ✓ **Equipment is free from heavy oscillations and operator's fatigue that are associated with other processes.**

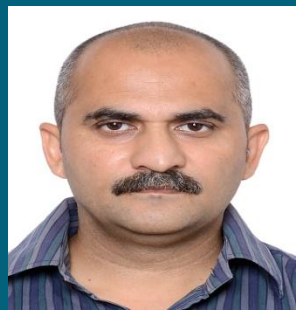
PRISM Successful Stories at DSIR-TOCIC-CSIO

- **"Development of Ergonomically Designed Working model of Fruit Plucking Device" of Dr. Sanjay Mohan from Jammu (J&K)**
  Phase-I (Category-I)

- **"PRISM Support Rs 1.42 Lakh (Total project cost Rs 1.58 Lakh)**

- **Ergonomically Designed Working model of Fruit Plucking Device have following features:**

  - ✓Portable unit for Fruit Plucking from at any height.
  - ✓Easy to use for both males and females without carrying any ladder or basket for fruit plucking from trees.
  - ✓Reduce Fatigue and risk of Orchard workers.
  - ✓Less time consuming and also improve the quality of fruits without bruising of Apples.
  - ✓Eliminates the risk of Injuries due to imbalance of stairs.



PRISM Successful Stories at DSIR-TOCIC-CSIO

- "Use of waste biomass for the development of edible coating" by Innovator Dr. Shashikant Yadav from Haryana under Phase-I (Category-I)

- "PRISM Support Rs 2.00 Lakh (Total project cost Rs 2.23 Lakh)

- Following are the features of the developed edible coating :

✓Developed edible films and coating (finger millets and potato starch) have revealed their significant potential in various fields.
✓Protective layer of edible materials that are applied on the surface of the vegetables and fruits
✓ Coating can maintain a barrier around the fruits and vegetables such as water vapor, oxygen and carbon dioxide permeability in order to increase the shelf life.
✓ It also improve appearance, maintain structural integrity, improve mechanical handling properties, and carry bio-active agents (antioxidants, vitamins, etc.) and retain volatile flavor compounds.

PRISM Successful Stories at DSIR-TOCIC-CSIO

- **Development of Half-facepiece Air Purifier (Air Mask) of Innovator Mr. Diwakar from Mohali, Punjab under Phase-I (Category-II)**

- **"PRISM Support Rs 11.9 Lakh (Total project cost Rs 13.30 Lakh)**

- **Following are the features of the developed Half facepiece Air Purifier (Air Mask) :**

  - This innovative mask incorporates air pre-filters, a HEPA paper filter, an activated carbon filter, and TiO2-based photocatalytic oxidation under UV-C light to ensure the highest level of air quality.
  - The mask's design is carefully crafted to enhance user comfort and convenience.
  - The mask is equipped with a 2200mAh battery that powers the centrifugal fan and UV-C LEDs
  - Proper sealing and airtight connections are implemented to prevent air leakage and maintain the filtration efficiency.
  - A centrifugal fan is incorporated into the mask to provide air suction and facilitate the airflow through the filtration system

PRISM Successful Stories at DSIR-TOCIC-CSIO

- "Any Time Medicine Dispensing Machine of Innovator Dr. Sumit Phukela" Phase-I (Category-I)

- PRISM Support Rs 1.44 Lakh (Total project cost Rs 1.60 Lakh)

Any Time Medicine Dispensing Machine have following features:

- Developed any time dispensing machine is the IoT Smart Medicine Vending Machine, powered by Arduino Mega and ESP32.
- The medication dispenser, controlled by Arduino Mega, accurately dispenses prescribed medications using motors, spirals.
- Real-time status updates are displayed on the machine's interface
- The developed machine works on the basis of the written Doctor prescription online , the prescription share to the chemist and the patient by mobile, at the end after final payment of medicine will be dispensed to patient.
- In OTP (One-Time Password) Mode, users input a 5-digit OTP obtained from a central server. The machine employs the HTTP protocol to verify the OTP's authenticity with the server. Upon successful verification, it retrieves medication details from the server and dispenses the prescribed medicines.

PRISM Successful Stories at DSIR-TOCIC-CSIO

- "Development of Portable Apple Cleaning and Grading Machine of Innovator Dr. Abhilash Pathania " Phase-I (Category-I)

- PRISM Support Rs 2.00 Lakh (Total project cost Rs 3.00 Lakh)

Portable Apple Cleaning and Grading Machine have following features:

- Developed Machine can grade 250kg apples per hour.
- Nylon material brushes is used to remove bristles.
- Rods are slantly fixed to provide Gap between conveyor belts. They are used to segregate the apples on the basis of their diameters.
- 1.5 HP motor is used to run the all rollers of this device.
- The Inclined conveyor belt is 6 feet in length and 3 feet in width.
- The proposed machine capacity to segregate apples as per their size is approximate 750kg per hour.
- The overall weight of the machine is approximate 125kg.
- The machine can be used for segregation of various fruits like apple, orange, lemon etc. after certain modification in the machine.

PRISM Successful Stories at DSIR-TOCIC-CSIO

❑ Ongoing PRISM Projects

S. No.	Name of Project	Name of Innovator	Amount of PRISM Grant	PRISM Phase & Category
1.	Use of waste biomass for the development of edible coating	Dr. Shashikant Yadav, Mahendragarh (Haryana)	**Rs 2.00 lakh**	Phase-I/ Category-I
2.	Development and performance evaluation of Green Cooling System in LPG Fuelled Vehicles	Dr. Vaibhav Jain, Gaziabad (UP)	**Rs. 1.97 lakh**	Phase-I/ Category-I
3.	A Brain Comuter Interface based on Neurobionics and Assistive Technologies	Mr. Aayush Mahajan	**Rs 20.00 Lakh**	Phase-I/ Cat-II
4.	Development of Half-facepiece Air Purifier Air Mask	Mr. Diwakar Singh, Chandigarh	**Rs 12.00 Lakh**	Phase-I/ Category-II
5.	Development of Multiuse Smart Eye care Diagnostic Solution	Dr. Varsha, New Delhi	**Rs 20.00 Lakh**	Phase-I/ Category-II

PRISM Successful Stories at DSIR-TOCIC-CSIO

❑ Ongoing PRISM Projects

S. No.	Name of Project	Name of Innovator	Amount of PRISM Grant	PRISM Phase & Category
6.	Indigenous passenger emergency alarm system (known as alarm chain pull ACP) for railway coach.	Ms Vinita Lucknow	**Rs 5.00 lakh**	Phase-I/ Category-II
7.	To demonstrate and establish physical stability of orthopedic implant coating	Dr. Chinmay Khare Pune, Maharashtra	**Rs. 10.00 lakh**	Phase-I/ Category-II (In-principle approved)
8.	Development of Portable Apple Cleaning and Grading Machine	Dr. Abhilash Pathania, HP	**Rs 2.00 Lakh**	Phase-I/ Category-I
9.	Emergiing Future of Pottery: Solar Powered Pottery Wheel	Dr. Poonam Sharma, HP	**Rs 7.00 Lakh**	Phase-I/ Category-II
10.	Heavy Duty Low Effort Mechanical Stapler Gun	Mr. Vivek Sharma	**Rs 11.76 Lakh**	Phase-I/ Category-II

PRISM Successful Stories at DSIR-TOCIC-CSIO

❑ Ongoing PRISM Projects

S. No.	Name of Project	Name of Innovator	Amount of PRISM Grant	PRISM Phase & Category
11.	Development of Plastic Dust Extractor Machine	Mr. Harish Thakur, Chandigarh	**Rs 17.50 lakh**	Phase-I/ Category-II
12.	Development of Smart Vest, Worlds First Wearable Assistive Device with Real Time Guided Navigation for the Blind & Visually Imparied People	Mr. Amit, Karnal, HR	**Rs. 15.00 lakh**	Phase-I/ Category-II
13.	Design & Fabrication of an Indigenous Multicolor Tunable Photo-Reactor wih inbuilt Stirrer	Dr. Sanjeev Kumar Bhardwaj, Chandigarh	**Rs 9.59 Lakh**	Phase-I/ Category-II
14.	Any time dispensing Machine	Dr. Sumit Singh Phukela	**Rs 1.44 Lakh**	Phase-I/ Cat-I

PRISM Successful Stories at DSIR-TOCIC-CSIO

❑ Ongoing PRISM Projects

S. No.	Name of Project	Name of Innovator	Amount of PRISM Grant	PRISM Phase & Category
15.	Design and Development of Low-Cost Solar dryer for Bat manufacturers in Kashmir	Dr. Ovais Gulzar	**Rs 1.79 lakh**	Phase-I/ Category-I
16.	Combo Comb Hair Dye Dispenser	Mr. Satish Kumar Gupta	**Rs 15.00 Lakh**	Phase-I/ Category-II
17.	Design & Development of novel and innovative Hybrid Ball Burnishing Assisted 3-Axis Wire Arc Additive Machine	Dr. Chander Prakash LPU Jalandhar, (Punjab)	**Rs. 19.50 lakh**	Phase-I/ Category-II
18.	Development of a High Data rate Visible Light Communication System for Green Wireless Technology and Healthcare	Dr. Nikhil Sharma	**Rs. 15.00 lakh**	Phase-I/ Category-II

PRISM Successful Stories at DSIR-TOCIC-CSIO

❑ Ongoing PRISM Projects

S. No.	Name of Project	Name of Innovator	Amount of PRISM Grant	PRISM Phase & Category
19.	LoRa and Vision Node assisted IoT networik for Real-Time monitoring and controlling of Fishpond	Mr. Devender Singh ,Dehradun(HP)	**Rs 1.80 lakh**	Phase-I/ Category-I
20.	Development of Ambu Bag Pressing Machine	Mrs. Neelam Jain ,CHD	**Rs. 14.60 lakh**	Phase-I/ Category-II
21.	Development of Energy innovations: Innovative Energy Saving furnace with Recuperator	Shri Prabhjot Singh ,Punjab	**Rs 50.00 Lakh**	**Phase-II**
22.	Anshaj Smart Bin	Mr. Ashish Singh	**Rs. 10.00 lakh**	Phase-I/ Category-II

PRISM Successful Stories at DSIR-TOCIC-CSIO

❑ Ongoing PRISM Projects

S. No.	Name of Project	Name of Innovator	Amount of PRISM Grant	PRISM Phase & Category
23.	Bi-Directional Mobile DC fast EV charger	Mr. Prasad Vaishnav	**Rs 19.60 lakh**	Phase-I/ Category-II
24.	Assistance system for sensory impaired	Dr. Tanvi Arora	**Rs. 1.98 lakh**	Phase-I/ Category-I
25.	Development of Photonic reflector integrated solar maximiser (PRISM)-Anant Viriya	Mr. Raghav Gupta	**Rs 20.00 Lakh**	Phase-I/ Category-II
26.	Solar Companion	Mr. Aryan Arora	**Rs. 1.90 lakh**	Phase-I/ Category-I

PRISM Successful Stories at DSIR-TOCIC-CSIO

❑ Ongoing PRISM Projects

S. No.	Name of Project	Name of Innovator	Amount of PRISM Grant	PRISM Phase & Category
27.	Rotatable condenser unit for split air conditioners for improved efficiency	Dr. Shalom Akhai	**Rs 1.80 lakh**	Phase-I/ Category-I
28.	Development of battery thermal management system (BTMS) to enhance lithium-ion battery safety	Mr. Suraj Rana	**Rs. 2.00 lakh**	Phase-I/ Category-I
29.	Eyeshift: Eye Care & Posture control device with an intuitive user interface	Mr. Shaurya Khosla	**Rs 4.70 Lakh**	Phase-I/ Category-II
30.	Development of Garbage Cleaning Machine	Mr. Mohit Chauhan	**Rs. 17.70 lakh**	Phase-I/ Category-II

PRISM Successful Stories at DSIR-TOCIC-CSIO

❑ Ongoing PRISM Projects

S. No.	Name of Project	Name of Innovator	Amount of PRISM Grant	PRISM Phase & Category
31.	Wearable Adaptive Optical Active Camouflage Technology	Mr. Rajnish Kushwaha	**Rs 2.00 lakh**	Phase-I/ Category-I
32.	Sustainable Power: Revolutionizing Emission Control in Diesel Generators	Mr. Seshadri A N	**Rs. 17.70 lakh**	Phase-I/ Category-II

DSIR-TOCIC, CSIR-CSIO Team

- The following DSIR-TOCIC, CSIR-CSIO, Chandigarh team involved for the PRISM support/ guidance of Innovators:

We share your dreams - PRISM

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Coordinator CSIR Integrated Skill initiative (CSIR-ISI)
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Thanks for Attention