



MAKE PATENT POOLS TO DROWN COVID -19

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We don't know when our lives will be back to "Normal". But it is certain that nothing much will change until humans develop herd immunity, the virus mutates into an innocuous strain, or we have a vaccine. Yes, pharma companies and research institutions are trying their best to create vaccines or drugs to reduce the effects of the virus. Still further, other entities are involved in creating immunity boosters to build up the immunity of humans, so that the virus can be contained. However, usually, it takes years to develop any medicine, but this period is too long a pause for our economy and our health. What can be done under such circumstances? Pharma companies, research institutions, health workers, hospitals must all come together to participate in a Medicinal Patent Pool!

What is a Patent Pool?

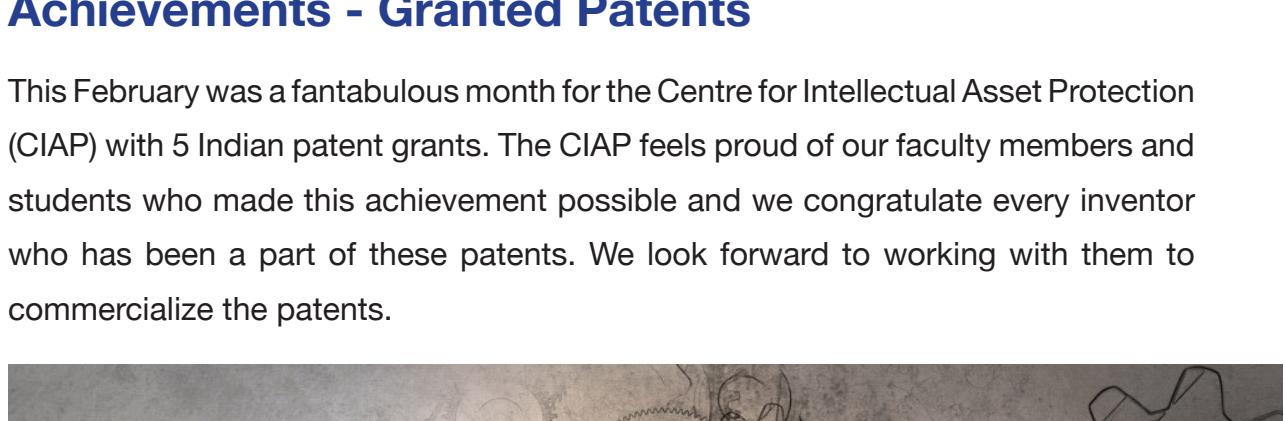
A Patent pool is a consortium of two or more entities agreeing to license their patents to one another or to any third party. The need for a patent pool arises when the development of a technology of a complex nature gets stuck as it requires multiple patents and these patents or patent applications are owned by a diverse group of people. The new technology needs inputs from various sources to create a productive technical solution and achieve fruition.

And how does that help in the present Covid situation? Entities can opt for a "medicine patent pool" and negotiate with patent holders to obtain licenses for developing and marketing medicines, sanitizing products & medical devices like ventilators, HazMat suits, etc. A patent pool is the coming together of diverse minds, experts in their own fields, who will be able to quickly provide solutions in a cost-effective manner. These entities can include large multinational organizations, small companies including startups, research departments of academic institutes and even individual scientists.

How can one obtained license for pooled patents? If the patents relevant to the standard are owned by multiple entities, a patent pool can satisfy the demand for standardization. A standardized patent pool typically allows participating patentees to use the pooled patents, provides a standard license for licensees who are not members of the pool, and transfers a share of the licensing costs to each member of the pool in accordance with the agreement.

How can these entities come together? For this purpose, a medicinal patent pool was formed. On 31st March 2020, the board of the medicines patent pool has announced to commit a significant investment for innovative treatment, diagnostics, and respiratory triage tools as part of the global response to the Covid-19 pandemic. The medicinal patent pool decided to work collaboratively through existing mechanisms for voluntary pooling and licensing of patents and is looking forward to working with the World Health Organization (WHO), the member states and other key stake holders to make the initiative possible. That's a great and excellent idea... Let us hope inventors all over the world will pool whatever patents possible to drown the effects of Coronavirus... forever!!

HIGHLIGHTS



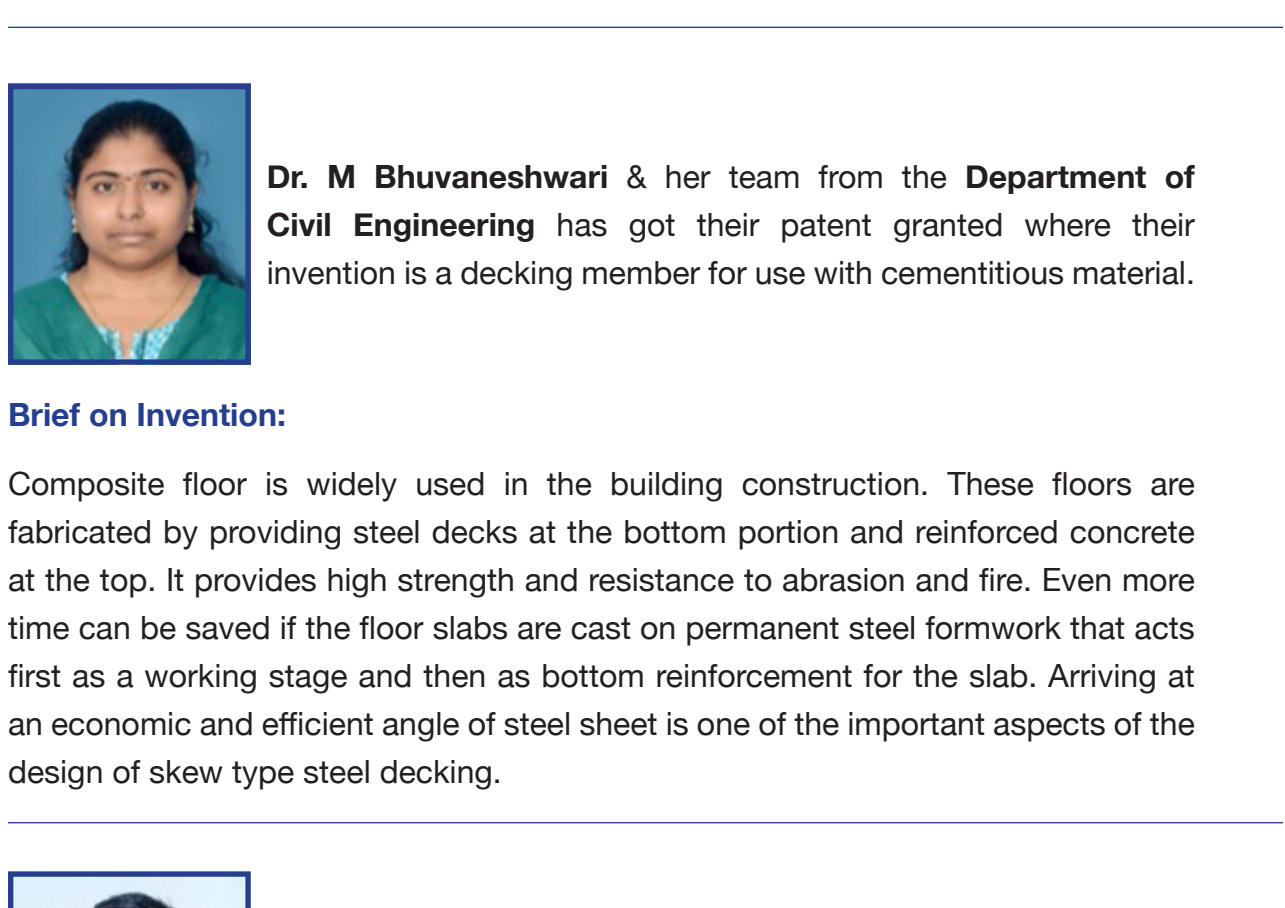
Patent Statistics

In the month of February & March, 2022, we have

- Filed 5 new patent applications
- Received a record number of 75 First Examination Report issuances on our patent applications.
- Filed 44 responses to First Examination Reports.
- Got 6 Indian Patents granted.

Achievements - Granted Patents

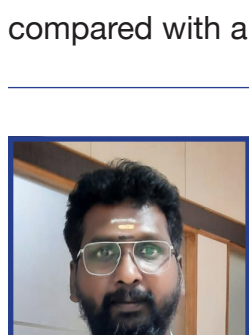
This February was a fantabulous month for the Centre for Intellectual Asset Protection (CIAP) with 5 Indian patent grants. The CIAP feels proud of our faculty members and students who made this achievement possible and we congratulate every inventor who has been a part of these patents. We look forward to working with them to commercialize the patents.



Dr. G. Joselin Retna Kumar & his team from the **Department of Electronics & Instrumentation Engineering** has got their patent granted where their invention is an assistive smart bag for visually impaired.

Brief on Invention:

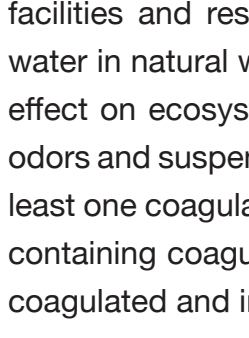
This patent aims to create a mobile application based smart assistive bag for visually impaired people to make them self-reliant so that they can live their life independently without showing their disability to the society. This smart assistive system is incorporated with proximity sensors for obstacle detection whose output is communicated with the user using vibration patterns, a Global Positioning System (GPS) based location update system to notify the users relatives of the location of the user in case of emergency situations making it secure and user-friendly. Home automation has been achieved using mobile application thus allowing the user to be independent in his home. Hence this system provides an easy way along with maximum security to the user for both indoor and outdoor environments.



Dr. M. Bhuvaneshwari & her team from the **Department of Civil Engineering** has got their patent granted where their invention is a decking member for use with cementitious material.

Brief on Invention:

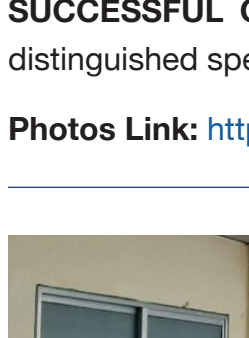
Composite floor is widely used in the building construction. These floors are fabricated by providing steel decks at the bottom portion and reinforced concrete at the top. It provides high strength and resistance to abrasion and fire. Even more time can be saved if the floor slabs are cast on permanent steel formwork that acts first as a working stage and then as bottom reinforcement for the slab. Arriving at an economic and efficient angle of steel sheet is one of the important aspects of the design of skew type steel decking.



Dr. Suresh S & his team from the **Department of Networking and Communications** from the School of Computing has got their patent granted where their invention is an IOT Fog Based Power Distribution System for Smart Energy Management.

Brief on Invention:

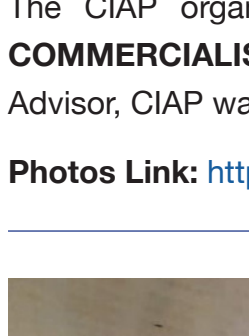
In Smart Home, all devices are connected to Internet by means of Internet of Things. It is possible for studying the consumer usage pattern and accordingly forecast their energy demand. This patent in here developed a Multi-agent System (MAS) for smart energy management in an IoT based system. Consumers get the best pricing based on the accepted policies. This helps the Energy utility industry in reducing the usage of fossil fuel generation and effectively make use of renewable energy. This helps the consumers to reduce the overall monthly billing



Dr. M. K. Kathiravan & his team from the **Department of Pharmaceutical Chemistry** from the SRM College of Pharmacy has got their patent granted where their invention is a Fused Heterocyclic Derivatives of Thienopyrimidine and Quinazoline Moieties

Brief on Invention:

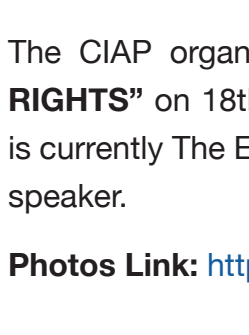
The molecules are new and ring fused heterocycles than the existing molecules of thienopyrimidines and quinazolines. These heterocyclic compounds in the patent covered wide range of substitution and showed good anti-inflammatory activity when compared with a standard drug.



Mr. J. Vijay Rathana Lingaa from the **Centre for Intellectual Asset Protection** has got his patent granted where his invention is A Power Transmission System for a Hybrid Vehicle

Brief on Invention:

A novel test bed to test IC Engines, Electric Motors or any hybrid engine is designed and implemented which has the ability to replace on-road testing of vehicles and reduce the time period involved in the product development lifecycle. This enables a detailed study on various powertrains without implementing an on-road test.



Dr. S. Vishali & her team from the **Department of Chemical Engineering** got their patent granted where their invention is a Process For Laundry Wastewater Treatment.

Brief on Invention:

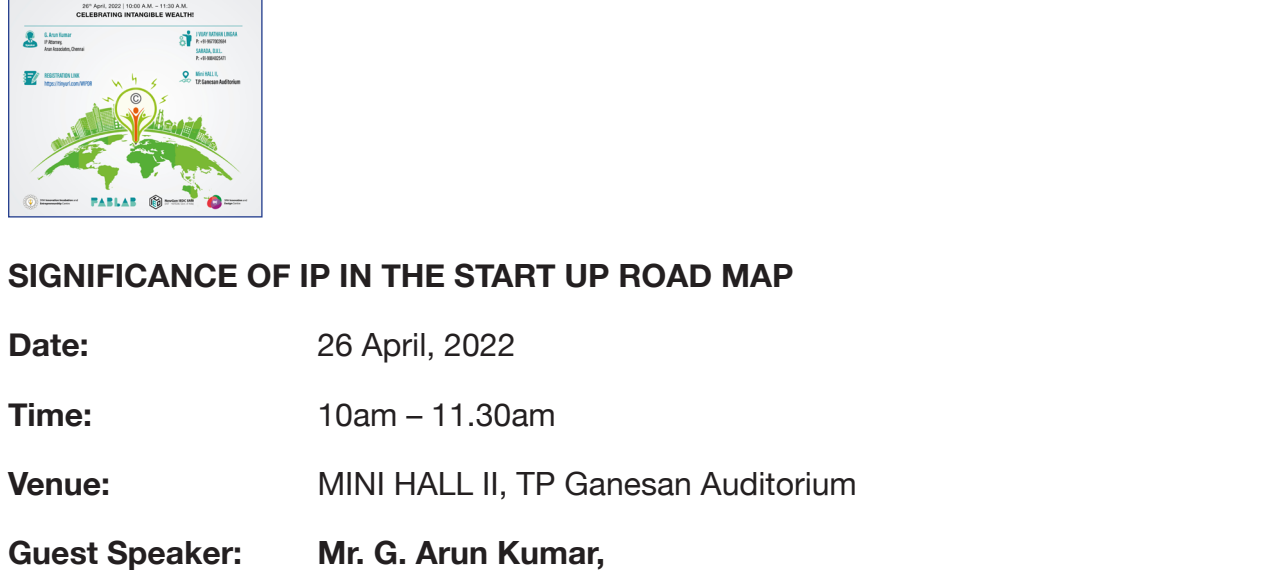
Large amount of wastewater/ grey water is generated from commercial laundry facilities and residential areas. The presence of synthetic compounds from grey water in natural water leads to aesthetic losses caused by foam, which causes toxic effect on ecosystem and biodiversity. Further, the presence of contaminants, bad odors and suspended solids makes it difficult to reuse the wastewater. Introducing at least one coagulant into the laundry wastewater and stirring to obtain clarified water containing coagulated impurities followed by filtering the clarified water containing coagulated and impurities through our treating unit to obtain treated water.

EVENTS



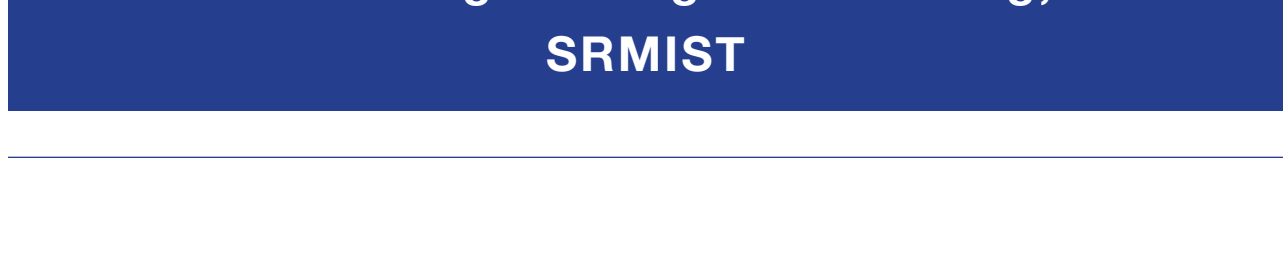
The CIAP organised a seminar on **"CREATION OF VALUABLE PATENTS AND SUCCESSFUL COMMERCIALISATION"** on **26th February, 2022**. This event had its distinguished speakers Adv.A.K.Balaji & Adv.S.Nithya from R.K.Dewan & Co, Chennai.

Photos Link: <https://photos.app.goo.gl/spiJwAu66p3dKSCj8>



The CIAP organised a seminar on **"EXPLORING THE JOURNEY OF IDEA TO COMMERCIALISATION"** on **11th March, 2022**. Mr.J.Vijay Rathana Lingaa, Techno-Legal Advisor, CIAP was the speaker of this event.

Photos Link: <https://photos.app.goo.gl/yQkX4DUocMYHqf9A>



The CIAP organised a seminar on **"AWARENESS ON INTELLECTUAL PROPERTY RIGHTS"** on 18th March, 2022. This event had our proud alumni Mr. M. Madhanraj who is currently The Examiner of Patents & Designs, Intellectual Property Office, Guindy as the speaker.

Photos Link: <https://photos.app.goo.gl/gkQHgbvECWi1hFRD6>

APRIL HAPPENINGS

EVENT 1:

PATENT SCHOOL WORKSHOP

Date: 7 – 9 APRIL, 2022

Time: 10am – 4pm

Venue: SIIEC Inspiration Studio, 5th Floor, Basic Engineering Lab Building

Guest Speakers:

- 1. Dr. A. Balaji Ganesh, Ph.D.,**
Director - IP EVER LLP
Director - Emsensing Technologies Private Limited
IPR Consultant/Patent Agent
- 2. Mrs. P. Ilanangai**
IPR Consultant/Patent Agent
- 3. Dr. Amirdha Sher Gill**
Patent Agent

EVENT 2:

SIGNIFICANCE OF IP IN THE START UP ROAD MAP

Date: 26 April, 2022

Time: 10am – 11.30am

Venue: MINI HALL II, TP Ganesan Auditorium

Guest Speaker: **Mr. G. Arun Kumar,**
IP Attorney,
Arun Associates,
Chennai

OFFICE ADDRESS

**5th floor, SIIEC Office Space,
Basic Engineering Lab Building,
SRMIST**