



COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE - 641 014

(Government Aided Autonomous Institution Affiliated to Anna University, Chennai)

Civil Aerodrome Post, Peelamedu, Coimbatore - 641014

DEPARTMENT OF CIVIL ENGINEERING

File No. 13b.

**List of Patents and Copyrights
Published and Granted**



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List of Patents and Copyrights Published and Granted

The faculty in the Civil Engineering department are continuously working for the publication of their research work in the Patent office both in India and abroad. The research works are being registered in the Patents office for publication and granting aftermath.

The following are the details pertaining to the publication and granting of copyrights, Indian patents and International patents.

S. No	Year	Faculty	Patent Granted
1	2020 - 2021	Dr. M. Kaarthik Dr. T. Karthik Prabhu Dr. P. Jagadesh Dr. V. Nagarajan Mr. M. Gowrishankar	Granted a patent in "A RNN based spatio temporal data mining model for urban road planning. 2020104112, granted date: 17/02/2021
2	2020-2021	Dr. M. Kaarthik	Granted a patent on "Method of synthesising hybrid metal plastic and 3D Printing", Patent Number:2020103162 Granted Date: 01/11/2020
S. No	Year	Faculty	Copyright awarded
1	2021-2022	Dr. M. Kaarthik	Awarded a copyright for "Flow Experiments - Hydraulics and hydraulic machinery equipment's", dt. 03/08/2021
S. No	Year	Faculty	Patent Published
1	2020 - 2021	Dr. V. G. Srisanthi Dr. V. G. Kalpana	Published a patent on "A cost effective unburnt interlocking brick from masonry work and method for construction of the wall with same", Patent Number: 202141007152A, in the Indian Patent Office, Publication Date:26/02/2021.
2	2020 - 2021	Dr. M. Kaarthik	Published a patent on "Device for emergency saving and alerting using multivalentand GPS tracker". 202041047714A, in the Indian Patent Office, Publication Date: 13/11/2020



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3	2020-2021	Dr. M. Kaarthik	Published a patent on "Hydrogen processing in alkaline fuel cell obtained from electrolysis, in the Indian Patent Office, 202141003077A, Publication Date:29/01/2021.
4	2021-2022		Published a patent on "Utilization of Robots in construction industry during COVID-19", 202141029138A, in the Indian Patent Office, Publication Date: 09/07/2021
5	2020-2021		Published a patent on "Utilization of sensors in concrete to monitor the curing process and compressive strength of concrete", 202141008996A, Publication Date: 12/03/2021
6	2020 - 2021	Dr. T. Karthik Prabhu Dr. M. Kaarthik Dr. P. Jagadesh	Published a patent on "Automatic ticket collection system in urban buses" 202041055502. in the Indian Patent Office, Publication Date: 01/01/2021.
7	2021-2022	Dr. S. Arulselvan	Registered a patent on "A method for determining the fatigue-damaged state of a prestressed reinforced concrete beam" Application No.202241021331A Publication Date: 22/04/2022
8	2021-2022		Registered a patent on "Monitoring of the corrosion potential of the reinforcement of the examined beams" Application No: 202141037136A, Publication Date: 27/08/2021
9	2021-2022		Registered a patent on "Sensitivity of concrete with cenospheres to sustainability indicators" Application No: 202141037348A, Publication date: 27/08/2021
10	2022-2023	Dr. M. P. Muthuraj Dr. S. Brindha	Registered a patent on " Mechanical and durable studies on the properties of cement mortar and concrete in partial replacement of fine aggregate with water treatment sludge" Application No: 202241029382A, Publication Date: 03/06/2022



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2	2020 - 2021	Dr. V. Nagarajan	1. Granted a patent in "A RNN based spatio temporal data mining model for urban road planning. 2020104112, granted date: 17/02/2021
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13	2020 - 2021		2. Granted a patent in "A RNN based spatio temporal data mining model for urban road planning. 2020104112, granted date: 17/02/2021
14	2020 - 2021	Mr. M. Gowri Shankar	1. Granted a patent in "A RNN based spatio temporal data mining model for urban road planning. 2020104112, granted date: 17/02/2021
15	2020 - 2021	Dr. P. Jagadesh	1. Published a patent on "Automatic ticket collection system in urban buses", 202041055502, in the Indian Patent Office, Publication Date: 01/01/2021.
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