Reviving Heritage Through Design:

FDDI Hyderabad Secures Patent for Calabash Bottle Craft

Dr. Rambabu Muppidi, Faculty in LLPD, FDDI Hyderabad, has been granted his 18th Indian Design Patent for the innovative product titled "Calabash Bottle" (Application No. 465502-001, Class 09-01). The design was filed on 07th August 2025, published on 07th October 2025, and the patent certificate was officially issued on 10th November 2025.

Developed as a pilot study with research support from Dr. Ravindra Babu Veguri and Mr. Mattagunja Anirudh (Student, FDDI Hyderabad) the project included extensive design explorations and field studies conducted at Shilparamam (Banjara Hills and Rayadurgam) and various craft clusters across Hyderabad's cultural hubs.

The design has been published in The Patent Office Journal No. 45/2025 dated 07 November 2025 (Page 110437) available at https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal

This eco-innovative Calabash Bottle revives a traditional Indian craft that utilizes dried gourds (Lagenaria siceraria), seamlessly merging heritage with contemporary usability. The design embodies sustainability, cultural preservation, and circular design principles—reflecting Dr. Muppidi's ongoing commitment to integrating traditional craft wisdom with modern design innovation.

This accomplishment was made possible under the legal direction and guidance of Mr. Subhajit Saha, Head of Legal & IPR and Founder, Resolute 4IP, and Mr. Shailendra Kumar, Legal Advisor II, Resolute 4IP, whose continued support throughout the IPR process has been invaluable.

Calabash Bottle"
(Granted No. 465502-001) granted &
published in Patent Office Journal No. 45/2025

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Innovation in Activewear:

FDDI Chennai Faculty's Modular Sports Bra Receives Design Registration

A design registration has been granted by the Indian Patent Office for an innovative creation titled "Sports Bra." The design has been jointly developed by Ms. Dhivya S, Junior Faculty, School of Fashion Design (FD), FDDI Chennai, and published in Design Journal No. 40/2025, dated 03rd October 2025, under the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

The registered design represents a breakthrough in the field of intimate apparel, focusing on the development of a 3D-printed modular support structure for plus-size sports bras. The innovation aims to enhance comfort, stability, and motion control while alleviating pain and discomfort commonly experienced by large-breasted women during physical activities.

Unlike conventional compression-based or caged designs, this modular innovation provides a natural and ergonomic support mechanism, integrating advanced 3D printing technology to optimize manufacturing efficiency, minimize material waste, and reduce production time.

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