



# SVCE BENGALURU

**SRI VENKATESHWARA COLLEGE OF ENGINEERING**  
— Affiliated to VTU, Approved by AICTE, Recognised by UGC u/s 2(f) & 12(B)—

## IP CELL REPORT

Sri Venkateshwara College of Engineering (SVCE) is one of among the best institution in Bengaluru having 20+ years of experience. SVCE is affiliated to VTU Belugavi & Approved by AICTE–New Delhi with NBA & NAAC ACCREDITATION, QS I-Gauge overall Ranking is GOLD Band. SVCE has established Centre of Excellence in association with Bosch, CISCO, Honeywell, Paypal and Blueprism. Few more Companies in the pipeline for the CoE. SVCE also consistently maintain excellent records in Academics, placements and co-curricular activities.

At Sri Venkateshwara College of Engineering, we provide our students with a comprehensive engineering education that combines theoretical and practical components. Our faculty are experienced and knowledgeable in the field of engineering and provide our students with the necessary guidance and support to ensure their success. Our curriculum is designed to provide our students with the necessary skills and knowledge to be successful engineers.

The practical component of engineering education is focused on developing the skills necessary to be successful in engineering. This includes problem-solving, critical thinking, and design skills. This component is often taught through hands-on activities and projects. These activities are designed to give students the opportunity to apply the knowledge they have learned in the classroom to real-world situations.

SVCE has established Center for QRIDES to promote Product Development, Research, Industry Interaction, Entrepreneurship and Social Responsibility. This Center has exclusive staff to support the students in above said activities. Since august 2017 this Center along with the students has developed around 25 products in various interdisciplinary domains. This team is also responsible for handling design thinking classes for First year students which leads to product development. Apart from this, we also train our students on the Core Technical Domain as per the company specifications and also on the Aptitude, Communication & Behavioural Skills.



The four stages of Product development are integrated within the curriculum of their programmes. During the First year all students will learn Design Thinking Course and their outcomes are measured using IDEA BLAST event conducted every year. These ideas are transformed into prototype during their second year of the programme. The center will support them by sharing expert advice and infrastructure to build the prototype.

**IPR Related Activities:** SVCE has organized several programmes like seminars/workshops during last five years for various communities like Faculty, Research scholars, Start-ups etc., SVCE has filed 18 patents till date.

**Research:** SVCE has established centre for Quality assurance in Research, Incubation, Development, Entrepreneur & Social responsibilities (Q-RIDES) to promote Research, Innovation, Incubation, Industry Interaction, Product Development, Entrepreneurship and Social Responsibility. This centre has exclusive faculty to support the activities. The centre has developed 4 products in various interdisciplinary domains in the past two years.

**Entrepreneurship Development:** Entrepreneurship Development Cell (EDC) strives to inspire and integrate a culture of innovation through a conducive entrepreneurial ecosystem to help budding entrepreneurs realize their dream to start up their own enterprises.

All the stages of Product development are integrated within the curriculum of their programmes. During the First year all students will learn Design Thinking Course and their outcomes are measured using IDEA BLAST event conducted every year. These ideas are transformed into prototype during their second year of the programme. The centre will support them by sharing expert advice and infrastructure to build the prototype.

### IP REPORT OF 2023

IPR cell was established at Sri Venkateshwara College of Engineering in the year 2018 with an objective to conduct various awareness programmes on Intellectual property at first stage and on the next level apply for the Patents and IPRs. Sri Venkateshwara College of Engineering has organized nine programmes like seminars/workshops since inception for various communities like Faculty, Research scholars, Start-ups. Programmes related to trade marks, Intellectual property filing, Copyrights, drafting of patents are organized. The main idea of organizing programmes is to bring out such ideas by igniting the young minds by conducting camps, workshops etc., so that such ideas can be converted in to products which benefits both the society as well as the young mind which has the idea. IP cell has formulated a strong team comprising of senior researchers, Patent attorney, so that any person with an innovative idea



approaching the cell should be able to get all the required services and guidance to formulate it in to a patent.

The IP cell is established with the following objectives.

- To provide services related to patent searches, patent drafting, patent prosecution, commercialization of inventions.
- To create an awareness about IPR for Industrialists, Researchers, Practising Engineers, Scientists, Faculties and Students.
- To impart training on patent filing processes.
- To organize workshops, seminars and awareness camps related to IP.
- To promote better understanding of IPR and to identify more IPs.

IP Policy of SVCE – Support extended by SVCE Management to Faculty/Students. SVCE management has taken lead to motivate ideators (Faculty/Students) in filing their ideas by contributing complete expenditures. Out of the total expenditure, 75% of the expenses incurred for filing patents will be supported by the Management & remaining 25% of the expenses shall be borne by the respective department forums, so that the ideators need not worry about financial issues for bringing up their ideas. Ideas which can be converted to product will be further supported at the incubation centre. Institute infrastructure like laboratories can be used by the incubate without any charges. Incubation center may identify and associate professionals for accounting, IP, legal and management expertise on a part-time basis. This facility will be extended for a duration of one year without any charges.

#### **Outcome of IP Initiatives:**

#### **List of IPRs Applied in 2023**

Sl.	Title of the Innovation	Type of IPR	Date of Filing	Application Number
1	Natural Cooling Tower for water consumption Application	Design Application	19-01-23	377667-001
2	Nutrient Distribution system for trickle irrigation.	Design Application	15-08-23	392778-001
3	Multi-Purpose 3D printing & Laser Engraving Machine.	Design Application	02-10-23	396450-001
4	Metamorphosis of CO <sub>2</sub>	Patent Application	04-05-23	202341031815



5	Cost-Effective Device for Visually Impaired	Wearable for Assisting Impaired	Patent Application	23-12-2023	202341084568
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### List of IPRs Granted in 2023

Sl.	Title of the Innovation	Type of IPR	Date of Filing	Application Number	Application Status
1	Apparatus and Method for Producing Biodiesel Fuel	Patent	01-08-20	202041033065	Granted.
2	Natural Cooling Tower for water consumption Application	Design Application	19-01-23	377667-001	Granted.
3	Nutrient Distribution system for trickle irrigation.	Design Application	15-08-23	392778-001	Granted.
4	Optical 3d Puzzle Toy Microscope Apparatus	Patent	05-09-2018	201841033209	Granted.
5	Multi-Purpose 3D printing & Laser Engraving Machine.	Design Application	02-10-23	396450-001	Granted.

### List of Events Organized in 2023

Name of the workshop/ seminar	Number of Participants	Dates
One Day National Level Seminar on " Innovation and IPR"	651	30/06/2023
one Day SDP on Entrepreneurship	192	28/06/2023
One Day Seminar on "IPR Literacy and Awareness"	300	07/02/2023

*[Handwritten Signature]*  
13/06/2024.

**Principal**

**Sri Venkateshwara College of Engineering  
Vidyanagar, Bengaluru-562157**



ORIGINAL  
क्रम सं/ Serial No. : 148230



**पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government of India**  
**डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design**

डिजाइन सं. / Design No. : 377667-001  
तारीख / Date : 19/01/2023  
पारस्परिकता तारीख / Reciprocity Date\* :  
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **COOLING TOWER FOR WATER CONSUMPTION APPLICATION** से संबंधित है, का पंजीकरण, श्रेणी 07-01 में 1.Sri Venkateshwara College Of Engineering 2. Dr. Sunil S 3.Dr. Shrishail Kakkeri 4.Dr. Nageswara Guptha 5.Dr.Poornima G R 6.Dr. Srinivasa Rao K 7.Dr. Manjunatha N K 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 07-01 in respect of the application of such design to **COOLING TOWER FOR WATER CONSUMPTION APPLICATION** in the name of 1.Sri Venkateshwara College Of Engineering 2. Dr. Sunil S 3.Dr. Shrishail Kakkeri 4.Dr. Nageswara Guptha 5.Dr.Poornima G R 6.Dr. Srinivasa Rao K 7.Dr. Manjunatha N K.

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.

जारी करने की तिथि : 14/11/2023  
Date of Issue :



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
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\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वधिकार 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.



ORIGINAL  
क्रम सं/ Serial No. : 150667



**पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India**

**डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design**

डिजाइन सं. / Design No. : 396450-001

तारीख / Date : 02/10/2023

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **MULTI PURPOSE 3-D & LASER ENGRAVING MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 19-06 में 1.Sri Venkateshwara College Of Engineering 2. Dr. Sunil S 3.Dr. Poornima G R 4.Mr. Giriswamy B G 5.Dr. Nageswara Guptha M 6.Dr. Bhaskor Jyoti Bora 7.Dr. Manjunatha N K 8.Dr. Srinivasa Rao K 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 19-06 in respect of the application of such design to **MULTI PURPOSE 3-D & LASER ENGRAVING MACHINE** in the name of 1.Sri Venkateshwara College Of Engineering 2. Dr. Sunil S 3.Dr. Poornima G R 4.Mr. Giriswamy B G 5.Dr. Nageswara Guptha M 6.Dr. Bhaskor Jyoti Bora 7.Dr. Manjunatha N K 8.Dr. Srinivasa Rao K.

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.

जारी करने की तिथि : 21/12/2023  
Date of Issue :



*(Signature)*  
महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार 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.



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 392778-001  
तारीख / Date : 15/08/2023  
पारस्परिकता तारीख / Reciprocity Date\* :  
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **NUTRIENT DISTRIBUTION SYSTEM FOR TRICKLE IRRIGATION** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Sri Venkateshwara College Of Engineering 2. Dr. Sunil S 3.Mr. Giriswamy B G 4.Dr. Manjunatha N K 5.Dr. Nageswara Guptha M 6.Dr . Poornima G R 7.Dr. Srinivasa Rao K 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 15-03 in respect of the application of such design to **NUTRIENT DISTRIBUTION SYSTEM FOR TRICKLE IRRIGATION** in the name of 1.Sri Venkateshwara College Of Engineering 2. Dr. Sunil S 3.Mr. Giriswamy B G 4.Dr. Manjunatha N K 5.Dr. Nageswara Guptha M 6.Dr . Poornima G R 7.Dr. Srinivasa Rao K.

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.

जारी करने की तिथि : 18/10/2023  
Date of Issue :



*(Signature)*

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

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