

**BMS Institute of Technology & Management**  
Bangaluru-560064

**Intellectual Property (IP) Cell**

Year of establishment: 2016

**The objectives of the IP Cell**

1. To create awareness on intellectual property among the faculty and students.
2. To encourage and support staff, students to develop patentable technologies.
3. To promote and nurture invention and creativity.
4. Filing for Patents, Registration for Copy rights, Industrial Design.

**IP Cell TEAM**

**Chief Co-ordinator:** Prof.Praveen Kumar T N, Dept. of ME

**Departmental Coordinator**

1. Prof. Madhu MC, Assistant Professor, Dept. of ME
2. Dr. Jagannatha K B, Assistant Professor, Dept. of ECE
3. Prof. Shilpa G, Assistant Professor, Dept. of EEE
4. Dr. Sowmya Shree M S, Assistant Professor, Dept. of ETE
5. Dr. Vinod B R , Assistant Professor, Dept. of CV
6. Dr. Kallur V. Vijayakumar, Assistant Professor, Dept. of Mathematics
7. Dr. Daruka Prasad B, Assistant Professor, Dept. of Physics
8. Dr. K Suresh Kumar, Assistant Professor, Dept. of Chemistry
9. Dr Dhanalaksmi, Assistant Professor, Department of CSE
10. Dr. Niranjanamurthy, Assistant Professor, Dept. of AI&ML
11. Dr. Shivakumara T, Assistant Professor, Dept. of MCA
12. Dr. Basavaraj GN, Assistant Professor, Dept. of ISE

**Brief report on Workshop organized**

**One Day Workshop on “Intellectual Property Rights”** was organised by

BMSIT&M-KSCST IP Cell in Collaboration with: Karnataka State Council of Science and Technology (KSCST) on 23-08-2023 by utilising seed money sponsored by KSCST, IISc. Campus, Bengaluru

**Inauguration** was done by Dr. U T Vijay, Executive Secretary, KSCST, along with Mr.Nagarjun M G, Project Associate, WIPO-TISC, KSCST and team

**Session 1:** Dr. Brinda Varma, Advocate & IP Agent delivered session on Intellectual Property Rights, types of IPRs, and Case studies on copyright and patent filing process.

**Session 2:** Mr Nagarjun M G, Project Associate, KSCST delivered a session on Design Registration with examples and case studies.

**Session 3:** Prof. Praveen Kumar T N, Chief Co-ordinator, IP Cell and Associate Professor, Dept. of ME, BMSIT&M delivered a session on practical aspect of IPR with case studies and practical example on patents, copy right, Industrial Design and Trademarks.

**Session 4:** Mr. Kodandarama, IRS Assistant Director, (Retd.), Advocate & Consultant delivered session on Industrial applications of trade marks in business, trademark registration.

The total number of students/staff benefitted in one or other session is 265(i.e. 235 students and 30 staff members)

#### **PATENT APPLICATION FILED DETAILS**

Total No. of Patent Filed	: 55
No. of Patent Granted	: 08
Copy Right registered	: 01
Industrial Design filed	: 04

#### **Patent Filed details: Academic Year 2023-24**

##### **A) APPLICANT:** BMS Institute of Technology and Management

1) Title of the Invention: A Portable Apparatus, System and Method of Composting  
Biodegradable Waste

**Applicant:** BMS Institute of Technology and Management

Application Number:202341045398, Date of Filing: 06-07-2023

Publication: 23-02-2024, journal No.: 08/2024

Faculty Inventor: Dr Seema Singh, Professor, Dept. of ETE

2) Title of the Invention: An Apparatus, System and Method for Performing Seabed Mapping

**Applicant:** BMS Institute of Technology and Management

Application Number: 202441047361, Date of Filing:20-06-2024

Faculty Inventor: Dr. Keerthi Kumar N, Assistant Professor, Dept. of ME

Student Inventor: Siddharth Asok Kumar(1BY18ME056), Shivam Sundriyal(1BY18ME053)

Saurabh Pravin Srivastav(1BY18ME050), Milan Chaudhary(1BY18ME065)

3) Title of the Invention: Deep Learning-Based Rapid Post-Earthquake Damage Detection of RC  
Resisting-Moment Frame Buildings

Application Number:202341049037

Date of Filing: Date:20-07-2023

Publication: 01-09-2023

Journal No.: 35/2023

Faculty Inventor: Dr. Niranjanamurthy M, Department of AI and ML and others

**Applicant:** Faculty, BMS Institute of Technology and Management

4) Title of the Invention: Building an Effective E-Commerce Fraud Detection Model Using Computer  
Ai And Data Mining Techniques

Application Number: 202341037908

Date of Filing: Date: 02-06-2023

Publication date: 18-08-2023

Journal No.: 33/2023

Faculty Inventor: Dr. Niranjanamurthy M, Department of AI and ML and others

**Applicant:** Faculty, BMS Institute of Technology and Management

### **Patent granted details :08**

#### **1)AY 2023-24(02No.)**

1)Title of the invention: AN ALERT SYSTEM FOR RAILWAY TRACK BREAKAGE

Date of filing: 04-11-2019, Application Number: 201941044720, Publication date: 07-05-2021,

Patent No. : 532189 Grant Date:

2) Title of the invention: A System and a Method for Automated Counting of Live Fishes with Internet of Things and Cloud

Applicant: BMS Institute of Technology & Management

Patent Application number: 201941030099, Date of filing: 25-07- 2019,

Date of publication: 29-01-2021, Patent No. : 527716, Date of Grant : 15-03-2024

#### **2)AY 2021-22(03No.)**

1)Title: A Novel method for detecting public not wearing masks using AI and method thereof

Patent Number: 2021106400

Date of Filing: 27-04-2021

Date of Grant: 10-11-2021

Jurisdiction: Australia

2)Title: An Investigation of Abrasive Water Jet Machining On Glass Fiber Reinforced Polymers

Application No: 2021101722, Date of filing of Application: 04-04-2021

Date of Grant: 26-05-2021, Inventor: Jurisdiction: Australia

3)Title of the invention: Smart Artificial Intelligence Based Fleet Analytic System

Patent Number: 2021106612,

Date of Grant: 24-11-2021

Jurisdiction: Australia

#### **ii)AY 2020-21**

1) Title: Automated location identification system using text and image data

Patent Number: 2021100154, Date of Filing: 31-03-2021, Date of Grant: 31-03-2021

Jurisdiction: Australia

2)Title of the invention: Security Technique in Energy Harvesting IOT Devices Using Slotted

Aloha with NOMA

Application Number: 2021100913

Date of Filing: 18-02-2021

Date of Grant: 14 -04-2021

Jurisdiction: Australia

3) Title: Requirement based community formation and evolution system in social networking during emergency using Big Data

Patent Number:2021101041 Date of Filing:25-02-2021

Date of Grant: 14-04-2021 Jurisdiction: Australia