



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru – 560064

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

INNOVATIVE /INTERDISCIPLINARY/FUNDED PROJECTS

- Bone conduction helmet (KPIT top 30 finalist)
- UAV based Arecanut fruit cutter
- Self-Charger
- Sensor based IOT based compost machine
- Bionic Arm (**Texas DST selected**)
- Smart learning for deaf and dumb using hearing aid and mobile application (**KSCST selected**)
- Smart lid: Food spoilage detection system



A few awarded projects are further funded by management of BMSIT&M

INTERDISCIPLINARY PROJECTS

Interdisciplinary Projects Carried out:

1. I-Trasher – ETE & ME Dept. (Guides: Raghunandan.G.H & Keerthi Kumar N)
2. UAV Based Fruit Plucker- (Guides: Raghunandan.G.H & Keerthi Kumar N)
3. Biotic Phone charger-(Guide: Raghunandan G H)

AIR CONDITIONER USING E-WASTE



GUIDE: Prof. Raghunandan G H (Asst. Prof, Dept ETE), Prof. Keerthi Kumar (Asst.Prof, Dept. ME)

DEPARTMENTS INVOLVED: Electronics and Telecommunication Engineering and Mechanical Engineering

AWARDS: Srishti'18 State Level Project Exhibition & Competition winners (4th place) under the Avishkar category.

FUNDS: This project has received compensatory funding from the college to encourage further innovations.

UAV BASED ARECANUT FRUIT CUTTER

GUIDE: Prof. Raghunandan G H (Asst. Prof, Dept ETE), Prof. Keerthi Kumar (Asst.Prof, Dept. ME)

DEPARTMENTS INVOLVED:

Electronics and Telecommunication Engineering and Mechanical Engineering

COMPETITIONS: Selected for SLTPE'19 State Level Competition Organized by KSTA, 4th National Level Project Competition "IEEE Project Expo 2019", Mysore.

SMART ELECTRIC BICYCLE



GUIDE: Prof. Raghunandan G H (Asst. Prof, Dept TE), Prof. Keerthi Kumar N(Asst. Prof, Dept. ME)

DEPARTMENTS INVOLVED: Electronics and Telecommunication Engineering and Mechanical Engineering.

AWARDS / RECOGNITION: Selected for SLTPE'19 State Level Project Exhibition Organized by KSTA.

i-Trasher-A smart waste management system

TEAM: Karunya Sankar, Rushank Prabhudev,

GUIDE: Prof. Raghunandan G H (Asst. Prof, Dept ETE), Prof. Keerthi Kumar N(Asst. Prof, Dept. ME)

DEPARTMENTS INVOLVED: Electronics and Telecommunication Engineering and Mechanical Engineering

AWARDS / RECOGNITION: Finalist in AVISHKAR-2020

FUNDED PROJECT

Bionic Arm

GUIDE: Prof. Thejaswini S (Asst. Prof, Dept ETE)

DEPARTMENTS INVOLVED: Electronics and Telecommunication Engineering

FUNDS: This project has been funded by BMSIT to encourage innovations and Received \$200 Worth components from Texas Instruments in IICDC-2019

VISION : Vigilant Image Sensing Intelligent drONE



GUIDE: Prof. Raghunandan G H (Asst. Prof, Dept ETE), Prof. Bharathi R(Associate .Prof, Dept. CSE)

DEPARTMENTS INVOLVED: Electronics and Telecommunication Engineering and Computer Science Engineering

AWARDS: Top 20 Finalist in IICDC-2018, conducted by DST and Texas Instruments

FUNDS: This project has been funded by BMSIT to encourage innovations and Received \$200 Worth components from Texas Instruments.

Also Received Rs.5Lakh Funding from DST

SMART HELMET

GUIDE: Prof. Thejaswini S (Asst. Prof, Dept ETE)

DEPARTMENTS INVOLVED: Electronics and Telecommunication Engineering

AWARDS: went till semifinals in IICDC-2018, conducted by DST and Texas Instruments

FUNDS: This project has been funded by BMSIT to encourage innovations and Received \$200 Worth components from Texas Instruments in IICDC-2018

