

FACULTY PROFILE



Name : Mrs.P.Padmapriya, M.E, (Ph.D).

Designation: Assistant Professor III

Department of ECE,

Hindustan Institute of Technology and Science

mail ID:

Experience: 7.6 in years

Research area: Bio-Signal Processing, Rehabilitation Engineering,
Bioinstrumentation

Patents:

1. **Filed and published** for patent registration with the title “**Machine Vision Based IoT Enabled Spinach Harvesting Robot with Semi-Manual Control**”, 2022
2. Filed for Patent Registration with the title “**Design and Implementation of Metropolitan Bus Access System for Visually Impaired Persons**”, 2017.
3. Filed for Patent Registration with the title “**Design of a Personal Healthcare Device for Early Detection of Labor by Monitoring Physiological Parameters**”, 2016.

Recent Publications: (last 5 years):

1. Mrs.P.Padmapriya, “**Infrared Thermal Sensor for a Low Cost and Non invasive Detection of Skin Cancer**”, Springer, Singapore Book InECCE2019, Year 2020/p:77-85
2. Mrs.P.Padmapriya, “**A Survey on Skin Cancer Detection Using Skin Temperature Variation Analysis**”, International Journal of Pure and Applied Mathematics, Volume119/Issue15/Pg:1199-1213/2018
3. Mrs.P.Padmapriya, “**Skin cancer detection using non-invasive techniques**”, Royal society of Chemistry, Doi: 10.1039/C8RA04164D (Review Article) RSCAdv., 2018, 8, 28095-28130

Projects:

Nil

Achievements:

1. “**Detection and Analysis of Skin Cancer Dynamics Using Infrared Thermal Sensor**” project was selected, presented and awarded runner up for “**FAER Contest**” June 2018.
2. **Design and Implementation of Independent Metropolitan Bus Access for VIP using ZIGBEE**” was selected in the “**Smart India Hackatron Contest**”, 2016-2017 and proud to say that we are the only batch in south India who selected in top 5 finalist.
3. **Design of Portable T-Rays Device**” was selected in the “**FAER Contest**” in 2016-2017 and presented that project in MSJIRT, Bangalore on June 22nd & 23rd 2017.