

**Ms.M.Vidya**

Designation : Assistant Professor  
Email : m.vidya@skct.edu.in  
Teaching Experience : 4 years 5 months  
Industry Experience : 1 year (Assistant System Engineer)  
Total Experience : 5 year 5 months  
Qualification : M Tech (Biomedical Engineering), B.Tech (EIE)  
Special Areas of Interest : Industrial Instrumentation, Biomedical Instrumentation,  
Biomedical Imaging

<b>Workshops / Seminars / Conferences organized</b>	
<b>Title</b>	<b>Funded By</b>
One Day workshop on Biomedical Devices and Technologies from TMI Systems Bangalore	ICE Association : SKCT
Guest Lecture on Role of Instrumentation Engineers in Process Industries, Kavin Engineering Ltd, Coimbatore	ICE Association : SKCT
One Week Faculty Development Program on Process Control	ICE Association : SKCT
Guest Lecture on Overview of Biomedical Engineering, TMI Systems Bangalore	ICE Association : SKCT
Webinar on "The Application Of Statistics In Biomedical Research" Ms. Priya Rani, Research Scholar, RMIT University, Australia	-
Webinar on "Nanotechnology And IoT Applications"	-
Guest lecture on "New Tele Health Medical Devices And Tele Home Health" TMI Systems Bangalore	ICE Association : SKCT
One week Short Term Training (STTP) program on "Medical Electronics"	ICE Association : SKCT
Guest lecture on Design aspect of Bio Medical Equipment Mr Harsha TMI Systems, Bangalore	ICE Association : SKCT
Guest lecture on Machine Learning, Mr Kumar Rajamani Robert Bosch, Bangalore	ICE Association : SKCT
Guest lecture on Bio Medical Imaging & Product Development Mr Venkatakrishnan Vice President, Engineering & Solutions Forus Healthcare, Bangalore	ICE Association : SKCT
Web conference on " Career Development, Entrepreneurship & Technology", Mr.P.Gautham, Bio-design Lab, Bangalore	ICE Association : SKCT

<b>Continuing Education Programmes</b>	
<b>PROGRAMME</b>	<b>HELD AT</b>
Training Programme on Unleashing Your Hidden Potentials 25.09.2015	Sri Krishna College of Engineering & Technology, Coimbatore
Training Program on "How to funded projects? And how to write an Effective Research Proposal" 12.09.2015	Sri Krishna College of Engineering & Technology, Coimbatore
Personality Development Programme on "Motivation and Basic Communications for Fresher" 2015	Sri Krishna College of Engineering & Technology, Coimbatore
Personality Development Programme on "Writing and Using Learning Outcomes" 2015	Sri Krishna College of Engineering & Technology, Coimbatore
one day workshop on "Basic of Instrumentation Detail Engineering" by TREND Instrumentation and Automation Pvt. Ltd. 14.02.2015	Sri Krishna College of Technology, Coimbatore
Two days' workshop on "Research Issues in Digital Image Processing" 21.08.2015 & 22.08.2015	Sri Krishna College of Engineering & Technology, Coimbatore
Seminar on "Research Issues in Image Processing" 09.10.2015	Sri Krishna College of Engineering & Technology, Coimbatore
three day National workshop on "Biomedical Signal Acquisition and Conditioning (BISAC 2015)" 17.12.2015 to 19.12.2015	AMRITA School of Engineering Coimbatore
Workshop on "Emerging Trends in Control Engineering" 29.04.2016 & 30.04.2016	VIT University , Vellore
Faculty Development Programme on "Process Control and its Applications" 30.05.16 and 02.06.16	Sri Krishna College of Technology, Coimbatore
Faculty Development Programme on "Industrial Instrumentation - II" 20.06.16 and 26.06.16	Kumaraguru College of Technology Coimbatore
Workshop on "Outcome Based Education"	Sri Krishna College of Engineering & Technology, Coimbatore
ICMR sponsored two day National Level Seminar on "Technologies for Diabetic Care and Management"	Avinashilingam University, Coimbatore
Two days National workshop on "Med ZEST 2017 A Forum for Hands on Training and Quality Control of Medical Equipment" 02.02.17 and 03.02.17	Dr.N.G.P Institute of Technology in collaboration with Kovai Medical Center and Hospital, Coimbatore
Seminar on "Green Technology and Waste Management on Healthcare" 15.02.2018	Sri Ramakrishna Engineering College. Coimbatore
ICMR sponsored National Workshop on "Advanced Biomaterial Applications in Medical Devices" on 12.03.2018	Sri Krishna College of Technology Coimbatore
ICMR sponsored National Workshop on "3D Printing - Industrial Revolution" on 23.03.2018	Sri Krishna College of Technology Coimbatore
ICMR sponsored National Workshop on "Empowering Oncology Research using Deep Learning Techniques" on 09.07.18 & 10.07.18	PSG College of Technology, Coimbatore

<b>Membership of Professional Bodies</b>	
<b>PROFESSIONAL BODIES</b>	<b>TYPE OF MEMBERSHIP</b>
IAENG	Life Member
ISA	Annual Member

<b>Course materials prepared</b>
MEMS
Instrumentation in Paper Industries
Industrial Instrumentation -II
Biomedical Instrumentation
Analytical Instrumentation
Electrical machines
Instrumentation in Food Processing
Building Automation
Electrical and Electronic Measurements

<b>Paper Publications (Conferences)</b>	
<b>TITLE</b>	<b>CONFERENCE</b>
Multiphysics Modelling and Analysis of DBS Electrodes: Application to Parkinson's disease	COMSOL Conference, October 17-18, 2013, Bangalore, India
"Microwave Tomography for Diagnosis of Breast Cancer"	7th International Conference on Science, Engineering and Technology (SET 2013) conducted at VIT UNIVERSITY, held during 14.11.2013 and 15.11.2013
Computational Modelling and Analysis of Thermal Characteristics of DBS Electrode in Application to Parkinson's Disease	International Conference on Advances in Electrical Engineering (ICAEE 2014) at VIT University 09.01.2014 and 11.01.2014 (IEEE Explorer)
Analysis of Mammographic Densities And Automatic Classification Of Breast Tissues	Conference on Electrical Sciences (ICES 2K17) March, 2017
"Wireless Bio Signal Acquisition Electrode Module for EMG"	IEEE Sponsored International Conference on Inventive Communication and Computational Technologies (IEEE Explorer), March 2018
Analysis and Classification of Stenosis Severity from Coronary Angiogram Images	IEEE Sponsored International Conference on Inventive Communication and Computational Technologies (IEEE Explorer), March 2018

<b>Paper Publications (Journals)</b>	
<b>TITLE</b>	<b>Journal</b>
Study and Analysis of Various Pre-Processing Techniques used in Breast Cancer Detection using Image Processing	International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 4 Issue V, May 2016 ISSN: 2321-9653 Page No.: 495-499. Impact Factor 1.214
Design of Low cost Effective ECG Signal Acquisition System	International Journal of Innovations in Engineering & Technology (IJIET), Volume 12 issue 2 - January 2019, ISSN:2319-1058

<b>Online Courses Undertaken</b>	
<b>Title</b>	<b>Open course</b>
“Essential Human Biology: Cells and Tissues”	edX Honor Code Certificate
“CPR, AED & First Aid Training”	edX Honor Code Certificate
“Introduction to Biomedical Imaging”	edX Honor Code Certificate from University of Queensland Australia
“How to become a Biomedical Engineer”	edX Honor Code Certificate
Electromagnetic Flow meter	KRONE Academy
Variable Area Flow meter	KRONE Academy
Human Anatomy	edX
Programming for Everybody (Introduction to Python)	Coursera

### **AWARDS AND HONORS:**

- Received certificate of appreciation for best smart board user at SKCT Coimbatore
- Received certificate of appreciation for producing 100 % pass in various subjects at SKCT Coimbatore.
- Received scholarship during the year 2007-2011 from Neyveli Lignite Corporation.

### **INDUSTRIAL CONNECT ESTABLISHED**

- Robert Bosch, Bangalore
- Forus Healthcare Ltd, Bangalore
- Keystone Automation, Chennai
- Trivatron Healthcare Chennai
- TMI Systems Bangalore
- NLC India Private Limited, Tuticorin
- T5 Vision System, Bangalore
- Medsby Technology, Coimbatore
- Titan Pvt. Ltd, Coimbatore
- Medex Technologies, Coimbatore
- Neurosynaptic Communications, Bangalore
- Panacea Healthcare, Chennai
- FCRI Labs, Palakkad
- Shakti Sugars, Satyamangalam
- Aries Biomedical System Coimbatore