

**GOVERNMENT FIRST GRADE COLLEGE
CHANNAPATNA – 562160
Teacher's Profile – 2020**



1	Name	K.Y. Madhavi		
2	Father's Name	K.R. Yoganarasimha		
3	Date of Birth	30-12-1967		
4	Date of Appointment	26-06-1996		
5	Department	Physics		
6	Designation	Associate Professor		
7	Contact Number	9980023095		
8	Email Address	madhaviky@gmail.com		
9	Permanent Address	# 10, 4 th Main, 11 th Cross, Vyalikaval Bengaluru - 560003		
10	Education Qualification			
	Qualification	Course	University	Year
	Under Graduate	B.Sc Physics	University of Madras Chennai	1988
	Post Graduate	M.Sc Physics	University of Madras Chennai	1990
	UGC-NET/JRF	-	-	-
	M.Phil	Physics	University of Madras Chennai	1993
	Ph.D	Materials Science	Mangalore University	2016
	PG Diploma	-	-	-
	Others (if any)	-	-	-
11	Career Profile			
	Teaching Experience	Area of Specialization	Courses and Subjects Taught	
	27	Electronics	B.Sc	
12	Publications with ISBN/ISSN Number			
	<ul style="list-style-type: none"> • K.Y. Madhavi, M Krishna C.S. Chandrashekhara Murthy “Design of a Piezoresistive Micro pressure Sensor using Finite Element Analysis” International Journal of Computer Applications (IJCA) ISSN (0975 – 8887) Volume 70 - Number 3 ,Year of Publication: 2013 . • K.Y.Madhavi, M.Krishna, C.S.Chandrashekhara Murthy “Effect of Diaphragm 			

<p>Geometry and Piezoresistor Dimensions on the Sensitivity of a Piezoresistive Micro pressure Sensor using Finite Element Analysis” International Journal of Emerging Science and Engineering (IJESE) ISSN: 2319–6378, Volume-1, Issue-9, <u>July 2013</u>.</p>	
13	Conferences/Symposia/Workshops - Organised/Attended
International Level	<ul style="list-style-type: none"> Presented a Paper on Design and fabrication of a Carbon Nanotube based Piezoresistive Micro pressure sensor for biomedical applications International Conference on <i>Advanced Ceramics and Nano Materials for Sustainable Development</i> at Christ Engineering College Bangalore September 2018.
National Level	<ul style="list-style-type: none"> Presented a Paper on “Fabrication of a SU-8 based MEMS pressure sensor with carbon nanotubes as sensing elements for biomedical applications” at <i>Workshop on Crystallography, Quantum Mechanics and Statistical Physics</i> Vijaya College Bangalore, 19th and 20th September, 2014.
State Level	<ul style="list-style-type: none"> Participated in Workshop on “Computational Physics” for Physics teachers of Bangalore University 11th to 13th 2014 November at Vijaya College Bangalore. Participated in Visualizing Physics using Python 17th & 18th August, 2015. Marie Curie Physics Association & MLA College Bangalore Participated in Fourier Series and its applications Vivekananda Degree college 22nd July 2017 Bangalore Participated in Development of Question Bank for B.Sc Course 11th September, 2017 at Vijaya College Bangalore Participated in Nuclear Reactions and Elementary Particles, 10th October 2018 at Vijaya College Bangalore.

	<ul style="list-style-type: none"> Participated in Animated Spreadsheets for Physics Learning 22nd March 2019 at SJR College for Women Bangalore.
College Level	<ul style="list-style-type: none"> Participated in “Life skills and Personality Development Programme” 31st October 2018 Nimhans and GFGC Channapatna Participated in “The Role of NAAC in Quality Assessment of Higher Education” 19th March, 2019.NAAC & IQAC of GFGC Channapatna.
14	Career Development Programmes
Orientation Programme	<ul style="list-style-type: none"> Participated in UGC Sponsored Orientation Programme from 02-03-1998 to 20-03-1998 at Academic Staff College Mysore
Refresher Course	<ul style="list-style-type: none"> Participated in UGC Sponsored Refresher Course from, 01-03-2002 to 21-03-2002 at Academic Staff College Mysore Participated in UGC Sponsored Refresher Course from, 24-11-2003 to 14-12-2003 at Academic Staff College Bangalore ‘A’ Grade Participated in UGC Sponsored Refresher Course from, 22-11-2004 to 11-12-2004 at Academic Staff College Bangalore ‘A’ Grade
Faculty Development Programs	<ol style="list-style-type: none"> 1-12-2008 to 16-12 2008 Management of First Grade Colleges for Principals and Lecturers at Administrative Training Institute Mysore 3-03-2011-5-03-2011 FDP on Nano Electronics and Nano Technology at MS Ramiah Institute of Technology Bangalore
Academic Training Programs	<ul style="list-style-type: none"> Participated in Refresher Course on Physics of Atmosphere From, 14-11-2005 to 25-11-2005 Indian academy of Science Bangalore Participated in Hands on Training Workshop on MEMS/NEMS at CENSE IISC Bangalore From 25th April to 5th May 2011.

15	Area of Interest		
Academic	<ul style="list-style-type: none"> • Nano Materials and Micro Sensors 		
Non-academic	<ul style="list-style-type: none"> • Reading Books, Listening to Music 		
16	Member in Academic Boards		
	Course	BOS	BOE
	-	-	-
	-	-	-
	-	-	-
17	M.Phil/Ph.D Guidance and Degree Awarded		
	1	-	
	2	-	
	3	-	
18	Awards and Recognitions		
	-		
19	Resource Person		
	-		
20	Others, if any		
	<ul style="list-style-type: none"> • K. Y. Madhavi, Sumithradevi.K.A, M Krishna , Andhe Dharani “Diaphragm Design for MEMS Pressure Sensors using a Data Mining Tool” Proceedings of the World Congress of Engineering 2011 Vol II WCE 2011, July 6 -8, 2011,London,U.K. • K. Y. Madhavi, Sumithradevi.K.A, M Krishna , M.N. Vijayalakshmi “Analysis of Square and circular diaphragms for a MEMS Pressure Sensor using a Data Mining Tool” presented at International Conference on Communication Systems and Network Technologies 3-5th June 2011 at SMVDU-Katra Page(s): 258 – 261 • “A Study of Carbon Nano Tube based Micro Pressure Sensors” Presented at 5th National Women Science Congress 7-10th November 2012 Bidar • K. Y. Madhavi, Sumithradevi.K.A, M Krishna , M.S Krupashankara ,“Study of Recent Trends in MEMS Pressure Sensor Applications” Presented at 3rd National Women Science Congress 7-10th November 2010 Davangere University. Davangere. 		