## **Profile**

Name of the Faculty	P. Sailaja	
Designation	Assistant Professor	
Department	Freshman Engineering	
Area of Interest	Boundary Value Problems	
Subjects Taught	Mathematics-I, Mathematics-II, Mathematics-III, Numerical Methods and Probability and Statistics	
JNTUH Registration Id	35150401-150239	
College Staff Code	SC0713	
Official Mail	sailaja.fe@gcet.edu.in	

#### **Educational Qualifications:**

S	.No.	Degree	Specialization	University/College	Year
	1.	M. Sc.	Mathematics	Osmania University	2003
	2.	B.A.	Mathematics, Economics, Statistics	Osmania University	1995
	3.	B. Ed.	Mathematics	Bharathidasan University	1996

#### **Research Publications:**

S. No.	Publication details	
	Yan Wu, Sailaja P, K. N. Murty "Stability Controllability and Observability criteriafor	
1.	state space dynamical systems on measure chains with an application to fixed point	
	arithmetic". Journal of Nonlinear Sciences and Applications ISSN: 2008-1898	
	Divya L Nethi, Sailaja P., Subbalakshmi B. and Murty, K.N. "On the Existence of Psi	
2	Alpha Bounded Solution for a Non-Homogenous Fuzzy First Order Matrix Difference	
2.	System with an Application to Two Point Boundary Value Problem". International	
	Journal of Current Research ISSN: 0975-833X	
3.	P. Sailaja, B. Subbalakshmi "Two Point Boundary Value Problems Associated with	
	First Order Fuzzy Differential Equations - Existence and Uniqueness".	

	International Journal of Scientific & Engineering Research ISSN 2229-5518	
	P. Sailaja "Existence of Phi By Psi Bounded Solutions for First Order Kronecker	
4.	Product Systems on Time Scales". International Journal of Recent Scientific	
	<b>Research</b> ISSN: 0976-3031	
	P. Sailaja, Sriram Bhagavathula, K. N. Murty "Existence of Psi alpha Bounded	
F	Solutions of Linear First Order Fuzzy Lyapunov Systems- A New Approach".	
5.	International Research Journal of Engineering and Technology (IRJET)	
	p-ISSN: 2395-0072	
6	P. Sailaja, K.V. K. Viswanadh and K. N. Murty "A New Approach to the Construction	
0.	of Transition Matrix with Application to Control Systems". AIP Conference	
	Proceedings 2269	

### **Books/Book Chapters Published:**

S. No	Publication details	

# Experience:

Teaching	14 Years	
Industry	-	
Research	-	
Total Experience	14 Years	