

# National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

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## Curriculum Vitae

**Dr. Srinivasulu Jogi**



**Dr. Srinivasulu Jogi** born in Nellore, Andhra Pradesh, India in 1986. He received his Ph.D degree in signal processing domain for the work “Stability Analysis of Nonlinear Digital Filters with External Interferenes” from Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kancheepuram, Tamilnadu, India in 2021. He received his masters (M. Tech) degree in VLSI System Design from Sreenivasa Institute of Technology and Mangement Studies, Chittoor, Andhra Pradesh affiliated to Jawaharlal Nehru Technological University Ananthapur, Anathapur, Andhra Pradesh, India in 2009 and bachelors (B. Tech) degree in Electronics and Communication Engineering from NBKR Institute of Science and Technology affiliated to Sri Venkateswara University Tirupati, Tirupati, Andhra Pradesh, India in 2007. His research interests includes nonlinear system modeling, investigating the robust stability of delayed digital systems, and multi-dimensional systems.

He served as an assistant professor in the department of ECE, Priyadarhini College of Engineering and Technology, Nellore, Andhra Pradesh from June 2010 to April 2016. Currently, he working as assistant professor in the department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirapalli from September 28, 2022.

Google scholar: <https://scholar.google.com/citations?user=9IjuKfUAAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0002-3922-9705>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57200615940>



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<b>UG</b> (B. Tech in Electronics and Communication Engineering)	NBKR Institute of Science and Technology, Nellore, Andhra Pradesh (Sri Venkateswara University, Tirupati, Andhra Pradesh)	2007	Distinction	Electronics and Communication Engineering
<b>HSC</b> (Intermediate/+2)	Santhinekethan Junior College, Nellore, Andhra Pradesh (Board of Intermediate Education, Andhra Pradesh)	2003	Distinction	Maths, Physics, and Chemistry
<b>SSLC (10<sup>th</sup>)</b>	ESRM High School, Nellore, Andhra Pradesh (Board of Secondary School Education, Andhra Pradesh)	2001	Distinction	SSC

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
-	-	-	-

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
-	-	-	-

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
-	-	-

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
-	-	-	-	-

13. Details of Academic Work

- (i) Curriculum Development

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(ii) Courses taught at Postgraduate and Undergraduate levels:

**UG Level**

Signals and Systems  
Digital Signal Processing  
Digital Logic Design  
Microprocessors and Micro-controllers  
Probability and Random Process

**PG Level:**

Advanced Digital Signal Processing  
Low Power VLSI Circuits & Systems

(iii) Projects guided at Postgraduate level

(iv) Other contribution(s)

### 14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

### 15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

### 16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event	Role	Event Organized by	Venue
27-04-2015 to 09-05-2015	FDP	National	Participant	AICTE	NBKR Institute of Science and Technology, Nellore, Andhra Pradesh
21-08-2015 to 22-08-2015	Seminar	National	Participant	DST	DVR & DHS MIC College of Technology, Andhra Pradesh

### 17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event	Date (s)	Role	Venue

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	(International/ National/ Local)			

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
S. Jogi and P. Kokil	An optimal approach for local stability analysis of nonlinear digital systems with saturation nonlinearity and external interference	Fluctuations and Noise Letters	vol. 21, no. 5	2250042	2022	1.31
P. Kokil, S. Jogi, C. K. Ahn, and H. Kar	An improved local stability criterion for digital filters with interference and overflow nonlinearity	IEEE Transactions on Circuits and Systems II, Express Briefs	vol. 67, no. 3	pp. 595–599	2020	3.6

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S. Jogi, C. G. Parthipan, and P. Kokil	A passivity-based approach for digital filters subjected to external disturbance and nonlinearities	IFAC-Papers OnLine, Elsevier	vol. 53, no. 1	pp. 428–434	2020	
P. Kokil, S. Jogi, and C. K. Ahn	Stability analysis of digital filters subjected to interference using generalized overflow	Signal Processing, Elsevier	vol. 148	pp. 1–8	2018	4.7

**(B) Conferences/Workshops/Symposia Proceedings**

Author(s)	Title of Abstract/Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
S. Jogi and P. Kokil	Improved Hankel Norm Criterion for Interfered Nonlinear Digital Filters Subjected to Hardware Constraints	Proc. 27th IEEE National Conference on Communications (NCC), IIT Kanpur & IIT Roorkee	pp. 1–6		Kanpur & IIT Roorkee	2021
S. Jogi and P. Kokil	Hankel norm for nonlinear digital systems with hardware limitations and external input	Proc. 26th IEEE National Conference on Communications (NCC), Kharagpur	pp. 1–6		Kharagpur	2020

**(C) Books & Monographs**

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number

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