




## **FACULTY PROFILE**

### **1. Personal Details**

NAME	<b>Dr. CHANDRA SHANKAR</b>	
DEPARTMENT	ELECTRONICS & COMMUNICATION ENGINEERING	
DESIGNATION	ASSOCIATE PROFESSOR	
PHONE	8800959255	
EMAIL ID	chandrashankar@jssaten.ac.in	
Date of Joining (JSSATEN)	21-04-2011	

### **2. Experience**

Total Experience in Years: 17	Teaching: 16	Industry: 1	Research: 04
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### **3. Qualifications**

<b>COURSES</b>	<b>SPECIALIZATION</b>	<b>Year of Award</b>	<b>INSTITUTION</b>	<b>UNIVERSITY</b>
B. Tech.	Electronics and Communication Engineering.	2004	GLA Institute of Technology and Management Mathura U.P.	U. P. Tech University Lucknow
M. Tech.	VLSI Design	2009	C-DAC Mohali	Punjab Technical University Jalandhar (Punjab)
Ph.D.	ECE	2018	Jaypee Institute of Information Technology NOIDA	Jaypee Institute of Information Technology NOIDA
Post Doc.	-	-	-	-

### **4. Research & Publications**

Papers Published in Web of Science indexed Journals	International:05	National: 00
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Papers Published in SCOPUS indexed Journals	International:04	National: 00
Papers Published in other Journals	International:00	National: 02
Papers Presented in Conferences / Symposium	International:06	National:03
Books / Book chapters Published	01	
	Name of the book: Lecture Notes in Electrical Engineering Publisher: Springer Nature Singapur Pte.Ltd.2019, ISBN: 978-981-13-2552-6, ISSN:1876-1119 Year of Publication: 2019	

## 5. Research Guidance

PhD Guide? Give field & University	Yes/Analog Signal Processing	JSS Science and Technology University, Mysuru.
PhDs / Projects Guided	Ph.D. Awarded: 0 Guiding: 01	Projects at Master's Level: 0 Projects at Bachelor's Level: 15

## 6. Grants

### i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
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### ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	Design of smart wireless charging system for electric vehicles using WPT Technology	Published
2	Cognitively controlling utilization of electricity as per contextual preferences of a user.	Published
3	A system for field monitoring and data collection implemented as a precision agriculture tool and method thereof	Published

### iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving	Duration	Grant issuing authority/ Body / Organization
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		<b>the Grant</b>		
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## 7. Awards Received

<b>Awards “Best Paper Award”</b>	Nil
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## 8. Publications

### i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	SIFO–VM/TIM universal biquad filter using single DVCCTA with fully CMOS realization	<b>C. Shankar, S. V. Singh, R.Imam</b>	Analog Integrated Circuits and Signal Processing	Published on line, 2021	WOS / Scopus / Both (SCIE)	1.34	SPRINGER Nature
2.	WSN and IoT based Smart City model using the MQTT protocol	Vishal kumar, Gayatri Sakya, <b>Chandra Shankar</b>	Journal of discrete mathematical science and cryptography	vol.22, issue 8, pp. 1423-1434, 2019	WOS / Scopus / Both	0.77	Taylor & Francis
3.	A new TIM biquad filter employing single DVCCTA	S.V. Singh, <b>C. Shankar</b>	Journal of Electrical Systems	Vol. 15(2), pp. 249-263, 2019, ISSN 1112-5209	WOS / Scopus / Both	0.87	Engineering and Scientific Research Groups
4.	High input impedance single input five output trans-admittance mode biquad filter using DVCCTA	<b>C. Shankar, S. V. Singh</b>	Indian Journal of Pure and Applied Physics	vol.57, pp. 52-62, 2019, P. ISSN 0019-5596	WOS / Scopus / Both (SCIE)	0.923	CSIR-NISCAIR
5.	Fully Integrated	S.V. Singh, <b>C. Shankar</b>	Journal of Engineering	vol.13, no.1, pp.	WOS / Scopus /	0.79	Taylor’s Universit

	Multifunction Trans-impedance mode Biquad Filter		Science and Technology	280-294, 2018, p-ISSN: 1823-4690.	Both		y, Malaysia
6.	Electronically tunable current mode biquad filter based on single VDTA and grounded passive elements	<b>C. Shankar, S. V. Singh</b>	International Journal of Engineering and Technology (IJET)	vol.9, no.2, pp-271-279, ISSN: 0975-4024, 2017	UGC	-	Engg Journals Publications
7.	Single Active Element Based Three input Single output Trans-admittance mode Biquad Universal Filter	<b>S.V. Singh, C. Shankar</b>	International Journal of Engineering and Technology (IJET)	vol. 8, no. 4, pp.1671-1678, ISSN: 0975-4024, Aug-Sep 2016	Scopus	-	Engg Journals Publications
8.	Single VDTA Based Multifunction Trans-admittance mode Biquad Filter	<b>C. Shankar, S. V. Singh</b>	International Journal of Engineering and Technology (IJET)	vol.7, no. 6, pp.2180-2188, Dec 2015-jan 2016,e-ISSN : 0975-4024	Scopus	-	Engg Journals Publications
9.	A New Trans-admittance Mode Biquad Filter using MO-VDTA	<b>C. Shankar, S. V. Singh</b>	WSEAS Transactions on Circuits and Systems	vol.14, pp.8-18, 2015, E-ISSN: 2224-266X	Scopus	-	WSEAS

## ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	Stability and Bandwidth Enhancement	<b>C. Shankar, M. Kaur</b>	International Journal of Micro and Nano	Vol. 2(2), pp. 113-118”2010 ,	-	-	<b>Serial Publication Pvt. Ltd</b>

	of Two stage Op-Amp using Negative Capacitance Generation		Electronics, Circuits and Systems	ISSN:0975-4768			
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### iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	High input impedance VM biquad filter using single active element	C. Shankar, S. V. Singh, V.A.Tikkiwal	6 <sup>th</sup> International Conference on Signal Processing and Communication (ICSC 2020)	5 <sup>th</sup> –7 <sup>th</sup> March, 2020	Scopus	-	IEEE
2	DVCCCTA based high input impedance VIVO Biquad filter	C. Shankar, S. V. Singh, G. Sakya	in proc of International Conference on Computing, Power and Communication Technologies (GUCON)	27-28 <sup>th</sup> Sept. 2019	Scopus	-	IEEE
3	DVCCCTA based high input impedance VM biquad filter by the use of minimum number of active block and all grounded passive elements	C. Shankar, et.al	in Proc. of 6th International Conference on Signal Processing and Integrated Networks (SPIN)	7-8 March 2019, pp.1106-1111, ISBN: 978-1-7281-1381-4	SCI	-	IEEE
4	SITO Type Voltage Mode Biquad Filter Based on 5 Single VDTA	C. Shankar, et.al,	in Proc. of Advances in Signal Processing and Communication (ICSC -2018)	21-23 March 2018, pp.261-270, ISBN-10: 981132552	SCOPUS	-	SPRINGER

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5	Three Input Single Output Current mode Biquad Filter using Single VDTA	C. Shankar , et.al	in Proc.of ICSC-2016,	26-28 Dec 2016, pp. 386-391. ISBN: 978-1-5090-2684-5	Scopus	-	IEEE
6	A low voltage operable VDTA based biquad filter realizing band pass and high pass filtering functions in trans-admittance-mode	C. Shankar, S. V. Singh	in Proc. of ICCCA-2015	15-16 May, 2015, pp.1288-1293	SCI	-	IEEE

#### iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	IEEE conference (SPIN-2019)	AMITY University Noida	07-Mar-2019 to 08-Mar-2019
2	FDP Analog circuits and application	Texas Instruments in ABESIT Ghaziabad	18-Aug-2018 to 20-Aug-2018
3	FDP on Entrepreneur Development Programme	Sponsored by NSTEBD, Dept. of Science and Technology conducted by National Institute for Entrepreneurship and small business Development (NIESBUD), Gautam Budha Nagar U.P	28-Mar-2018 to 30-Mar-2018
4	Presented conference paper in Springer conference (ICSC-2018)	Springer at IIIT Noida	21-Mar-2018 to 23-Mar-2018
5	Presented conference paper in IEEE Conference, (ICSC-2016)	IEEE at IIIT Noida	26-Dec-2016 to 28-Dec-2016
6	Attended 2 week FDP Entrepreneurship Development Program	Sponsored by NSTEBD, Dept. of Science and Technology implemented by Entrepreneurship	05-Dec-2016 to 17-Dec-2016

		development Institute of India at JSSATEN Noida	
7	MATLAB and its Hardware Interface	Sponsored by ICT (MHRD) at JSSATE Noida	11-Jan-2016 to 15-Jan-2016
8	IEEE Conference, (ICCCA-2015)	Sponsored by IEEE at Galgotia University Greater Noida	15-May-2015 to 16-May-2015
9	Faculty Development program under TEQIP-II on Recent Advances and challenges in Power & Energy for sustainable growth.	Sponsored by TEQIP-II at DTU Delhi	01-Jun-2015 to 05-Jun-2015
10	NBA workshop and certify as NBA Stakeholder	National Board of Accreditation at JSSATENoida	21-Feb-2013 to 23-Feb-2013
11	Attended a 2 week workshop on Analog Electronics.	sponsored by ICT (MHRD) at MGM CET Noida	04-Jun-2013 to 14-Jun-2013
12	Presented paper in 6th International conference on signal processing and communication (ICSC2020)	IEEE at IIIT Noida	05-Mar-2020 to 07-Mar-2020
13	Presented paper in IEEE sponsored international Conference on Computing, Power and Communication Technologies (GUCON)	IEEE at Galgotia University Greater Noida	27-Sep-2019 to 28-Sep-2019

#### v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Dr. APJ Abdul Kalam Technical University Zonal Level Sport Fest-18	Dr. APJ Abdul Kalam Technical University	25 <sup>th</sup> to 27 <sup>th</sup> Oct 2018	Convener
2	INSPIRE science Camp -2016	DST and MST GOI, at JSSATE Noida campus	26 <sup>th</sup> to 30 <sup>th</sup> Dec 2016	member of organizing committee
3	Two days national seminar RTDEE-2013	MTU and Schneider Electrical Infrastructure Ltd. Noida	23 <sup>rd</sup> to 24 <sup>th</sup> Aug 2013	member of organizing committee
4	One week Faculty Development Program on Analog /Embedded	JSSATE Noida	5 <sup>th</sup> Sept to 10 <sup>th</sup> Sept	Member of organizing

	Technologies		2016	committee
5	One-week International Webinar on Emerging trend in electronics, Communication, and Information Technology	JSSATE Noida	02 <sup>nd</sup> July 2020 to 7 <sup>th</sup> July 2020	Faculty Coordinator

**vi. Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)**

Sl. No.	Name of the workshop / Conference	Organizer	Date
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**9. Details of NPTEL / COURSERA courses completed**

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Introduction to Internet of Things	NPTEL	Sept. 2021	ELITE

**10. Membership of Professional Bodies:**

Nil
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**11. Any other information you will like to share about your professional experience**

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