

# COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

## FACULTY DATABASE

### INFORMATION DATA SHEET FOR FACULTY MEMBERS

(Filled forms please send to registrar@cusat.ac.in)

(INSERT ADDITIONAL ROW(S) WHERE EVER NECESSARY)

<b>Name:</b>	<b>Dr.Stephen Rodrigues</b>
<b>Department :</b>	<b>Instrumentation</b>
<b>Contact Details Address for communication</b>	<b>Flat No. 301,Seven Seas Apartments,T.D Road, Cochin-682011,Kerala State</b>
<b>Email</b>	<a href="mailto:dr3stephen@yahoo.co.in">dr3stephen@yahoo.co.in</a>
<b>Phone</b>	<b>9497485565</b>
<b>Intercom</b>	
<b>1. Academic Background</b>	
Qualifications:	
Qualifying Post Graduate Degree:	
Ph. D with NET	
Ph. D without NET	Ph.D without NET
Post Graduate Degree(s)	M.Sc Physics ,Electronics Special
Under Graduate Degree(s):	B.Sc Physics
Any other PG degree/ Diploma relevant to the subject:	
<b>2. Research Performance</b>	

2.1 Published / accepted papers in Journals / Conferences:

Signature (in Hard Copy Only)

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Sources consulted for SNIP, SJR, IF and H-index : JCR 2013, <http://www.scimagojr.com>, <http://www.impactfactorsearch.com>, Google scholar, as applicable.

[Cited by : Google Scholar, SNIP : Source Normalized Impact per paper, SJR : Scimago Journal & Country Rank, IF: Impact factor, H-Index: Hirsch Index]

### **Journal Papers published in last 4 years**

1. “Development of a new reflecting surface for electromagnetic waves” International organization of scientific research, Journal of applied physics, Vol.1, Issue6, pp. 55-58, Sep-Oct 2012.
2. “ Simulated scalar feed horn antenna with exterior tapered profile” International organization of scientific research, Journal of applied physics, Vol.3, Issue5, pp.92-96, Mar-Apr 2013
3. “A small square aperture simulated corrugated scalar feed horn with beam symmetry” International organization of scientific research, Journal of electronics & communication engineering, Vol.8, Issue 3, pp-21-24, Nov-Dec 2013.
4. “ Analysis of e-plane radiation patterns of a simulated scalar feed horn antenna” International organization of scientific research, Journal of electronics & communication engineering, Vol.9, Issue 2, pp-92-96, Mar-Apr 2014.
5. “Radiation characteristics of a square pyramidal horn antenna with tapered di-electric e-plane boundary walls loaded with periodic conducting strips” International organization of scientific research, Journal of electronics & communication engineering, Vol.9, Issue 5, Ver. 1, pp. 44-47, Sep-Oct 2014

### **Conference Papers published in last 4 years**

1. “A novel coplanar antenna design for wearable gadgets with high speed and low power, Intl. Symp. on Antennas & Propagation Dec 17 – 19, 2014, DOE,Cusat,cochin,India
2. “ Ultra compact CPW fed 5.8 GHz antenna for high speed multiple connectivity”, National seminar on advances in scientific & industrial instrumentation, Feb. 2016, CUSAT, Cochin, India
3. “Wideband T shaped antenna for high speed wireless local area networks””, National seminar on advances in scientific & industrial instrumentation, Feb. 2016, CUSAT, Cochin, India
4. “ Design of slotted rectangular microstrip patch antenna operated in ISM band using RT Duroid substrate” , International conference on electrical, electronics and optimization techniques, 3-5 March, 2016, Chennai, India.
5. “Low return-loss circular microstrip patch antenna at 5.8GHz” International conference on electrical, electronics and optimization techniques, 3-5 March, 2016, Chennai, India.
6. “Bandwidth enhancement of microstrip patch antenna for 5.8 GHz by optimized feed offset”, ICCSP , 6-8 April, 2016 Melmaravathur, Tamil Nadu, India

2.1. Web based publication -Nil

2.2.	Externally Funded Research / Consultancy Projects through University / Institution (Both completed and Ongoing Projects): Nil
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2.3	Research Guidance :
2.3 (a)	Ph D – Degree Awarded- Nil

Current guidance:

- 1 ) Peter Cyriac
- 2 ) Divya Antony
- 3) Vishnu Priya
- 4) Sanish V.S
- 5) Manoj B
- 6) Umesh V Sharma
- 7) Hrudya B Kurup

2.3 (b)	Ph D – Thesis submitted- Nil
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2.4	Awards / Medals / Fellowships Academic Recognitions: Nil
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<b>3</b>	Assessment of Domain Knowledge				
<b>3.1</b>	<b><i>Experience</i></b> Additional Teaching / Industrial Experience after obtaining minimum eligibility criteria for the particular post (Only Full-time teaching assignments and/ Industrial Experience not below the rank of Lecturer in UGC/AICTE approved institutions/ Assistant Manager / Officer in a public / multi-national Company, after obtaining the minimum educational qualifications for this post)				
	SI No.	Institution	Post held	Period (from ... to..)	No. of years
University PG level	1.	St.Paul'sCollege, Kalamassery-683503	Special Grade Lecturer	1983-1999	16 Years
	2.	St.Albert's College,Cochin-18	Lecturer	1981-1983	2 Years

<b>3.2</b>	<b><i>Additional Research Experience after Ph. D -Nil</i></b>
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3.3	<b>Academic / Administrative Experience (give particulars):</b>		
3.03 (a)	<i>Administrative experience:</i>		
SI No	Post Held	Period	No. of years
1	Head,Dept. of Instrumentation,CUSAT,Cochin-22	08-01-2001 to 6-1-2002	1 Year
2	Head,Dept. of Instrumentation,CUSAT,Cochin-22	07-07-2011 to 30-6-2014	3 Years

3.03 (b)	Academic experience (Member, Board of studies, Academic council / Faculty etc.)		
SI No	Positions held	Period	No. of years
1	Chairman, Board of studies	8-1-2001 to 6-1-2002 & 7-7-2011 to 30-6-2014	4
2	Member ,Academic council	8-1-2001 to 6-1-2002&7-7-2011 to 30-6-2014	4
3	Member ,Faculty council	8-1-2001 to 6-1-2002&7-7-2011 to 30-6-2014	4
4	Member, Accademic committee, Post Graduate Courses	Since 18-07-2-14	
5	Member,Board of studies,Instrumentation	Since 2011	
Member of Academic Council concurrent with position held as Chairman of Board of Studies.			
3.04	Participation in Training Programs/Workshop/Summer Winter-Schools, (organized by Govt. agencies/ UGC/AICTE, ICTP or similar International Organisations) :		
	Duration of Course	Short Title	Agency
	One Week	GIS,Remote Sensing & GPS Applications in Engineering	AICTE
			4 <sup>th</sup> to 10 <sup>th</sup> Nov.2013

Four Weeks	Refresher Course in Physics	CUSAT	1990
Four Weeks	Refresher Course in Physics	CUSAT	1989

### **Declaration**

I, Dr. Stephen Rodrigues have read the notification and all other related instructions. All information and data furnished above are true to the best of my knowledge and belief.

Place: Cochin-22

Date: 04-08-2016

**Signature**