

**Dr. Purushottam G. Chilveri**  
PhD. (Electronics & Telecommunication Engineering)  
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### Awards/Honors/Achievements

1. *Selected for the Smart India Hackthon 2020 National Level Competition by Govt of India a project competition for BE.*
2. *Won the 2nd Prize in the Judges' choice Award at Transform Maharashtra organised by Govt of Maharashtra Mumbai 2017.*
3. *Won the National Level 1st Prize in the project competition at IBM Cloud Hackethon 2014 organized by IBM India*
4. *Selected for the INNOVATION 2009 in best project competition category and represented SPPU at State level competition for the same and stood second at the state level.*

### Academic Qualification:

Degree	Institute Name	University Name	Year of Passing	Qualification Status
Ph.D.	ZCOER, Pune	SPPU Pune	2021	Completed
M. Tech	COEP, Pune	SPPU Pune	2010	Completed
B.E.	PVGCOET	SPPU Pune	2001	Completed

### Research Expertise

- **Subject Areas: Signal Processing, VLSI, Network Security**

### Training Details

#### Training Conducted

Training Title	Arrange By	Venue	Date	Level	Category	Type
SDR Capsule	Cyronix Innovation Labs Pvt Ltd.	MCTE Indore	21 <sup>st</sup> Feb to 26 <sup>th</sup> Feb 2022	NA	Cadets	External
SE (E&TC/ Electronics) revised syllabus 2019 course for the subject Principles of Communication Systems (E&TC)	SPPU	DYPCOE Pimpri	18th to 20th Jan 2021	University	Faculty	External

Training Title	Arrange By	Venue	Date	Level	Category	Type
SE (E&TC/ Electronics) revised syllabus 2015 course for the subject Analog Communication (E&TC)	SPPU	MIT COE Pune	15th to 17th 2016	University	Faculty	External
FE All Branches Project Based Learning	TTT by STES	SCOE	6 <sup>th</sup> Jan 2020	STES	Faculty	Internal
BE E&TC Broadband Communication System	TTT by STES	RMD Sinhgad Pune	2 <sup>nd</sup> and 3 <sup>rd</sup> Jan 2020	STES	Faculty	Internal

### Training Attended

Training Title	Arrange By	Venue	Date	Level	Category	Type
SE (E&TC/ Electronics) revised syllabus 2019 course for the subject Principles of Communication Systems (E&TC)	SPPU	DYPCOE Pimpri	18th to 20th Jan 2021	University	Faculty	External
SE (E&TC/ Electronics) revised syllabus 2015 course for the subject Analog Communication (E&TC)	SPPU	MIT COE Pune	15th to 17th 2016	University	Faculty	External
BE E&TC Broadband Communication System	TTT by STES	RMD Sinhgad Pune	2 <sup>nd</sup> and 3 <sup>rd</sup> Jan 2020	STES	Faculty	Internal

### Workshop Details

#### Workshop Organized

Workshop	Topic	Conducted By	Date	Level	Category	Type
FoW	Network Security	BoS SPPU Pune	31 <sup>st</sup> Jan to 2 <sup>nd</sup> Fe 2022	SPPU	For Faculty	Internal
STTP	Quality Evaluation in Video Processing	SKNCOE	2017	State	For Faculty	Internal
STTP	DSP Implementation on FPGA Platform	SKNCOE	20 <sup>th</sup> -30 <sup>st</sup> June 2012	State	For Faculty	Internal

#### Workshop Attended

Workshop	Topic	Conducted By	Date	Level	Category	Type
FDP	Cyber Security and Block chain Technology	GCOEK	22 <sup>nd</sup> to 28 <sup>th</sup> 2021	National	AICTE	External
FDP	Emerging Trends in Micro/Nano Sensors	Shri Manakula Vinagar	8 <sup>th</sup> to 13 <sup>th</sup> Feb2021	National	AICTE	External

	and Actuators for Industrial Application,	Engineering College, Puducheri				
FDP	Recent Trends in VLSI Design	MIT Academy of Engineering , Alandi(D), Pune	19 <sup>th</sup> to 23 <sup>rd</sup> July 2021	State	FDP Entuple	External
FDP	Academic Leadership & Management of Technical Education	Faculty of Engineering & Technology, Gurukula Kangri (Deemed to be) University, Haridwar.	17 <sup>th</sup> to 21 <sup>st</sup> May 2021	National	AICTE	External
FDP	Emerging trends and challenges: ML IoT and Cyber Security ,	SKNCOE	18 <sup>th</sup> to 22 <sup>nd</sup> Jan 2021	State	FDP	Internal
FDP	FPGA Based Deep Learning Applications in Signal Processing"	KLE Technological University.	5 <sup>th</sup> to 9 <sup>th</sup> July 2021	National	AICTE	External
FDP	Digital Electronics using VHDL	NITTTR Kolkata	28 <sup>th</sup> to 2nd July 2021	National	Govt of India	External
FDP	Recent Advances and Trends in Lightweight Cryptography for IoT Security and Block chain Technologies	University Institute of Technology, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal	27 <sup>th</sup> to 31 <sup>st</sup> July 2021	National	AICTE	External
FDP	Digital Forensic and Security Research	GCOEK	25 <sup>th</sup> to 29 <sup>th</sup> April 2020	State	TEQIP III	External
FDP	Outcome Based Education: A Step Towards Excellence, FDP	GCOEK	11 <sup>th</sup> to 15 <sup>th</sup> May 2020	State	AICTE	External
FDP	Moodle Learning management System, FDP	IITB	13 <sup>th</sup> to 15 <sup>th</sup> May 2020	State	IITB Spoken Tutorial	External
FDP	Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020),	GCOEK	26 <sup>th</sup> to 30 <sup>th</sup> May 2020	State	AICTE	External
FDP	MATLAB for all	Sir M. Vishveshwarya Institute of Technology, Bangalore	4 <sup>th</sup> to 8 <sup>th</sup> June 2020	National	ISTE	External
FDP	Roadmap for Patent Creation	IIT	1 <sup>st</sup> Jan to 30 <sup>th</sup> March 2020	National	NPTEL	External
FDP	Faculty Development		10 <sup>th</sup> to	National	PMMM	External

	Program on Cyber Security conducted by FDC		16 <sup>th</sup> June 2019		MTT	
FDP	Machine Learning in the area of Pattern Recognition & Computer Vision	CCOE Pune	16 <sup>th</sup> to 28 <sup>th</sup> Sept 2019	State	AICTE	External
FDP	Best Practices for Outcome Based Education (OBE)	SKNCOE Pune	19 <sup>th</sup> to 24 <sup>th</sup> Dec 2019	State	AICTE	Internal
FDP	Principles of communication system I	IIT	1 <sup>st</sup> Jan 30 <sup>th</sup> April 2019	National	NPTEL	External
FDP	Data Science and R programming	COEP	18th-22nd Dec2017	State	TEQIP III	External
FDP	Ethics and Moral Values	SKNCOE Pune	5th -18th Dec2017	National	AICTE	Internal
FDP	Image Processing and Pattern Recognition Applications with Hands-On	COEP	27th Nov -1st Dec 2017	National	AICTE	External
FDP	Deep Learning for Image and Text Analysis	SSNCOE Chennai	13th-26th Nov 2017	National	AICTE	External
FDP	Effective Thesis Writing and Research Methodology for researcher/PhD aspirants	S.B. Patil COE Pune	31st Oct-4th Nov 2017	State	SPPU	External
FDP	Networking and Switching	BVU Pune	7th Feb-11th Feb 2017	State	TEQIP-II	External
FDP	Use of ICT in Education for online and blended learning	IIT Bombay	30 May-10 July 2016	National	AICTE	External
FDP	Select Topics in signal Processing and Machine Intelligence with Hands on (AICTE)	COEP Pune	23 May-3 <sup>rd</sup> June 2016	State	AICTE	External

### Conference Details

### Conference Organized

Name	Venue	Date	Level	Category	Sponsored By
ICIIIST 2020	Thailand-SKNCOE	12/05/2020	International	Faculty/Students /Researchers	Self
ICIIIST 2021	SKNCOE	17/06/2021	International	Faculty/Students /Researchers	Self

### Conference Attended

Name	Venue	Date	Level	Category	Sponsored By
ICINC 2019	Pune	2019	International	Faculty/Students/Researchers	Self
ICISC 2018	Coimbatore	2018	International	Faculty/Students/Researchers	IEEE
RTEICT 2017	Bangalore	2017	International	Faculty/Students/Researchers	IEEE
ICACACT 2014	Mumbai	2014	International	Faculty/Students/Researchers	IEEE
ICCSNT 2014	Chennai	2014	International	Faculty/Students/Researchers	IEEE

### Research Project

Project name	Description	Status	Budget	Project type
Implementation of OCR on FPGA	BCUD, Co-Investigator	Completed	2,10,000	2009-10
Structural Health monitoring system using Microblaze	BCUD, Principal Investigator	Completed	2,15,000	2013-15

### Research Paper & Journal

ISSN/ISB N No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
doi.org/10.1007/s11276-020-02358-4.	A novel node authentication protocol connected with ECC for heterogeneous network	May 2020,	Wireless Network. volume 26, Issue 8 pages 4999-5012	International	Published	Chilveri P.G., Nagmode M.S
	Analysis of three factor authentication protocol	Yet to publish	International Journal on Emerging Trends in Technology, IJETT	International	Accepted	P G Chilveri and M S Nagmode
	Implementation of Auto - Conveyor Characterization System for Industrial Automation	March/April 2020	Test Engineering and automation journal, Vol. 83	International	Published	Purushottam Chilveri, Madan Mali, Shreya Mali
2233-7857 (Online)	Conveyor - Modern System for Fruit Categorization	2020	International Journal of Future Generation Communication and	International	Published	Shreya Mali, P. G. Chilveri, Priya Rai, Sakshi Thore ,

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
			Networking, Vol. 13 No. 2s (2020):			
2233-7857 (Online)	Behavioral Tracking Analysis using AI	2021	International Journal of Future Generation Communication and Networking Vol. 14 No. 1 pg. no 4173 – 4181	International	Published	Shubham Dhanawade, Pramod Dhanure, Shreeprasad Sonar, Prof. P. G. Chilveri, Prof. A. B. Chandgude
2233-7857 (Online)	Implementing Optical Port Data Communication in Energy Meters using DLMS/COSEM	2021	International Journal of Future Generation Communication and Networking Vol. 14 No. 1 (2021)4152 – 4160	International	Published	Soham Tembe, P.G. Chilveri, Nikhil Ekvachane, Sumeet Upasani
2233-7857 (Online)	Image Annotation Generation using Deep-Learning	2021	International Journal of Future Generation Communication and Networking Vol. 14 No. 1 (2021) 4152 – 4160	International	Published	Piyush Navarkar, P. G. Chilveri, Tarun Nambiar, Meghraj Nale, A. B. Chandgude
2233-7857 (Online)	Blackhole Attack in MANET - NS2 Analysis	2020	International Journal of Future Generation Communication and Networking Vol. 13 No. 2s (2020) ,48–57	International	Published	Prasad Ghatol, P. G. Chilveri, Onkar Gharapurkar, Shubham Domale
2233-7857 (Online)	Automatic Writing Machine (AWM) for Specially Abled Person	2020	International Journal of Future Generation Communication and Networking Vol. 13 No. 2s (2020),07–11	International	Published	Atharva Naravane, P.G.Chilveri, Maitreyi Patil, Apurv Kulkarni
2233-	Implementation of	2021	International	International	Published	Anurag

<b>ISSN/ISBN No</b>	<b>Paper Title</b>	<b>Publish Date</b>	<b>Journal/Conference Name</b>	<b>Level</b>	<b>Paper Status</b>	<b>Authors</b>
7857 (Online)	Speech Recognition Based Eye Vision Test		Journal of Future Generation Communication and Networking Vol. 14 No. 1 (2021)	International		Potharaju, Amit Ghogre, Harsh Kurulkar, P. G. Chilver, P. G. Chilver,
ISSN (Online) 2278-1021	A Review on Stereo Image Matching Using, Corner Detection Algorithm	2016	International Journal of Advanced Research in Computer and Communication Engineering Vol. 5, Issue 5, May 2016, pg no 681-684	International	Published	Komal Shrirang Changan , Prof. P.G. Chilver
ISSN 0974-3154	Security Issues in Heterogeneous Network: A review	2018	International Journal of Engineering Research and Technology. Volume 11, Number 2 (2018), pp. 349-371	International	Published	P G Chilver and M S Nagmode
ISSN: 2249 – 8958,	Contemporary Compendium of Conventions (CCC) in MANET	2019	International Journal of Engineering and Advanced Technology (IJEAT) Volume-8 Issue-6, August 2019.	International	Published	P G Chilver and M S Nagmode
ISBN 978-81-924990-6-	WSN Authentication Schemes: A survey	2018	Technical journal of the Institution of Engineers. 2 Volume 42, Nov 2018,pp.164-169.	International	Published	P G Chilver and Himali Bharambe
ISBN:978-1-5386-0807-4	Proportional appraisal of access control schemes.	2018	2018 2nd International Conference on Inventive Systems and Control (ICISC), Coimbatore, pp. 1328-1333.	International	Published	P. G. Chilver and M. S. Nagmode
ISBN:978-	FIR filter	2017	International	International	Published	M. B. Trimale

<b>ISSN/ISBN No</b>	<b>Paper Title</b>	<b>Publish Date</b>	<b>Journal/Conference Name</b>	<b>Level</b>	<b>Paper Status</b>	<b>Authors</b>
1-5386-0615-5.	Implementation on FPGA using MCM design technique		Conference on Circuits, Controls, and Communications (CCUBE), 2017, pp. 213-217,	International		and P. G. Chilver
<b>ISBN:978-1-5090-3704-9</b>	A survey: Cursive handwriting recognition techniques	2017	2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), 2017, pp. 1712-1716,	International	Published	U. Choudhary, S. Bhosale, S. Bhise and P. Chilver
<b>ISBN:978-1-5090-3704-9</b>	A review: FIR filter implementation.	2017	2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), 2017, pp. 137-141,	International	Published	M. B. Trimale and Chilver,
<b>ISBN:978-1-5090-2081-2</b>	Neural network-based leaf recognition	2016	International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT), 2016, pp. 645-648,	International	Published	P. B. Wable and P. G. Chilver,
<b>ISBN:978-1-5090-2080-5</b>	Stereo image feature matching using Harris corner detection algorithm	2016	International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT), 2016, pp. 691-694,	International	Published	K. S. Changan and P. G. Chilver
<b>ISBN:978-1-5090-2080-5</b>	A review: FPGA based word matching stage of	2015	International Conference on Pervasive	International	Published	S. R. Bhalekar and P. G. Chilver



ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
	BLASTN		Computing (ICPC), 2015, pp. 1-4,			
ISSN: 2395-2946 (Online)	A Survey on Cluster Based Routing Protocols for WSN and MANET	2015	Innovative Trends in Engineering (IJITE), Issue 3, Volume 3, Number 01 March 2015, Page: 30-34	International	Published	Akash A Deshmukh, P. G. Chilveri
ISBN:978-1-5090-2080-5	NS-2 implementation and comparison of ENABLE and HBQ protocol of access control scheme based on ECC for WSN security	2014	International Conference on Advances in Communication and Computing Technologies (ICACACT 2014), Mumbai, 2014, pp. 1-5.	International	Published	Patil Sanketa B, Chilveri Purushottam G and Markande S.D
ISBN:978-1-5090-2080-5	Implementation of Wireless Sensor Network Using Microblaze and Picoblaze Processors	2014	Fourth International Conference on Communication Systems and Network Technologies, 2014, pp. 1059-1064,	International	Published	S. M. Borawake and P. G. Chilveri
ISBN:978-1-5090-2080-5	Hand Gesture Recognition using accelerometer sensor for traffic light control system	2014	International Conference on Electronics and Communication Systems (ICECS), 2014, pp. 1-5,	International	Published	S. Swapnali and P. G. Chilveri
ISSN: 2248-9622	On-Line Remote Data Acquisition and Control System for Embedded Real Time Applications	2013	International Journal of Engineering Research and Applications (IJERA) Vol. 3, Issue 2, March - April 2013, pp.891-895	International	Published	Sheetal K. Mahadik , Prof. P. G. Chilveri
ISSN No 2321-0613	Data Acquisition and Control System for Real Time Applications	2013	International Journal for scientific research and development, Volume: 1, Issue : 9,2013	International	Published	P. G.Chilveri, Sheetal Mahadik

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
			Page(s): 1925-1928			

### Membership Details

Membership Body	Membership No.	Duration	Level
ISTE	LM 49540	Life Member	National

### Book Published

Title of the Book	Publisher	Publish Year	ISBN No.
Information Theory and Coding Techniques for SPPU TE E&TC	Technical	2015	978-93-5099-915-8
Digital Image Processing for SPPU BE E&TC	Technical	2016	978-93-332-0466-8
Information Theory Coding Techniques and Computer Networks for SPPU TE E&TC	Technical	2017	9978-93-3321-731-6
Information Theory, Coding Techniques & Communication Networks for SPPU 15 Course (TE - II - E&TC - 304187) - 2020 Edition	Technical	2020	9978-93-3321-731-6
Information Theory and Coding Techniques	Technical	2021	9978-93-91567-21-7

### Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date: 03 March 2022

Name: **Dr. Purushottam G. Chilveri**