

PROFILE

- 1. Name** : **Dr.PUSHPAVATHI.K.P**
- 2. Present Address** : S1, B block,
Shiva Ganga Opal
4th main, Bank of Baroda colony
J.P Nagar 7th phase,
Bangalore
- 3. Phone** : 9731999935
- 4. E-mail ID** : pushpakp.tce@bmsce.ac.in
- 5. Highest Qualifications** : PhD
- 6. Research Area** : Wireless Communication
- 7. Academic Performance** :



S.No.	Examination	Year	Board/University	Marks
1	SSLC	1992	Karnataka Secondary Education Examination Board	I Class
2	PUC	1994	Pre-University Education	I Class
3	B.E (Electronics & Communication)	1998	Mangalore University	I Class
4	M.Tech. (Electronics)	2008	Visvesvaraiiah Technological University	I Class
5	Ph.D	2023	Visvesvaraiiah Technological University	


8. Date of Joining : 14-10-2005

9. Date of upgradation :01.01.2013 (AGP-7000/-) wef 14.10.2010
:06.09.2019 (AGP – 8000/-) wef 14.10.2015

10. Employment Profile:

Organization	Period		Designation	Type of Experience	Nature of work
	From	To			
Department of Telecommunication Engg., BMS College of Engineering, Bangalore	September 2011	to till date	Asst. Prof	Teaching	Teaching,
Department of Telecommunication Engg., BMS College of Engineering, Bangalore	14 th October 2005	September 2011	Lecturer	Teaching	Teaching,
Cauvery Polytechnic, Gonikoppal	2nd. August 1999	30 th Sept 2005	Lecturer	Teaching	Teaching,

11. Google scholar Citation: (as on December 2025)



PUSHPAVATHI KP ✎

[BMSCE](#)
Verified email at bmsce.ac.in

[wireless communication](#) [signal processing](#) [computer networks](#)


FOLLOWING

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Citations	24	20
h-index	3	2
i10-index	1	1

<input type="checkbox"/> TITLE	CITED BY	YEAR
<input type="checkbox"/> Frequency sampling method of FIR filter design: A comparative study <small>KP Pushpavathi, B Kanmani 2018 International Conference on Electrical, Electronics, Communication ...</small>	12	2018
<input type="checkbox"/> FIR filter design using wavelet coefficients <small>KP Pushpavathi, B Kanmani 2019 International Conference on Wireless Communications Signal Processing ...</small>	6	2019
<input type="checkbox"/> Defining course outcomes for digital switching systems: An example <small>KP Pushpavathi 2014 IEEE International Conference on MOOC, Innovation and Technology in ...</small>	3	2014
<input type="checkbox"/> Narrow band digital filter for carrier aggregation <small>KP Pushpavathi, B Kanmani Journal of Science and Technology 5 (5), 70-77</small>	2	2020
<input type="checkbox"/> Design of IIR Filters from Wavelets: A Comparative Study <small>KP Pushpavathi, B Kanmani IUP Journal of Electrical and Electronics Engineering 14 (3), 46-65</small>	1	2021

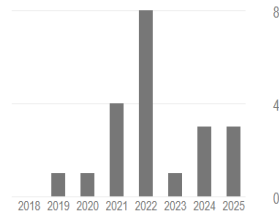
Co-authors [EDIT](#)



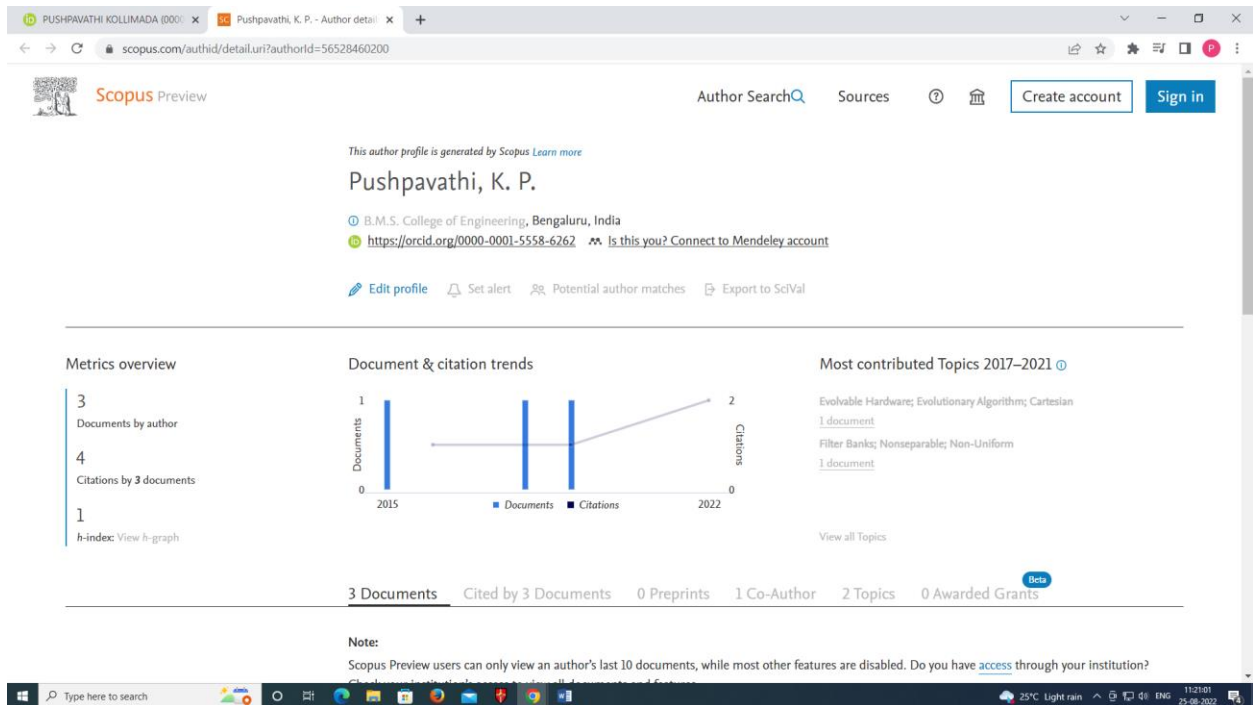
KANMANI B

Professor, Department of Electro...

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12. Orcid/ Scopus: (as on August 2022)



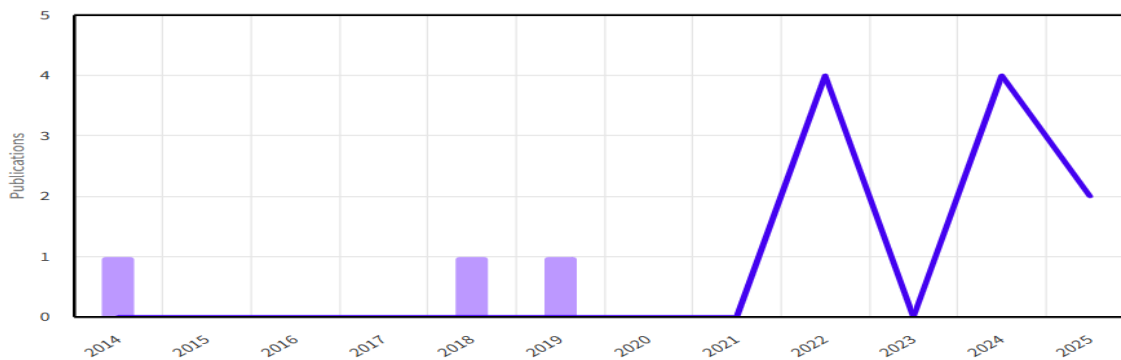
WOS as on December 2025

Web of Science Core Collection metrics

Citation counts are from Web of Science Core Collection.

3 Publications
5 Sum of Times Cited
1 H-Index

Times Cited and Publications Over Time



13. International Journal Publications:

- Neema Nair¹, Nandita Purushotham¹, Shraddha Shivraj¹, K P Pushpavathi¹**
“Electromagnetically Coupled Right Hand Circularly Polarized Active Microstrip Patch Antenna for GPS Reception” **IJRECE VOL. 2 ISSUE 2 APR-JUNE 2014, ISSN: 2348-2281**

(ONLINE), Scientific Journal Impact Factor = 2.918, **PAPER ID: IJRECE_B234**
URL: ijreeci2or.wix.com/ijrece

2. Pushpavathi.K.P,” Studies on Carrier Aggregation in LTE-Advanced” International Journal of New Innovation in Engineering and Technology, Volume 13, Issue 1 February 2020, ISSN: 2319-6319, Pg 021-025.
3. Pushpavathi.K.P, B.Kanmani,” IIR filter design using wavelets” vol.11-No.2 (February 2021), International Journal of Engineering Research and Applications (IJERA), ISSN: 2248–9622, www.ijera.com, DOI:10.9790/9622-1102030106, pp. 01-06,
4. Pushpavathi.K.P, B.Kanmani,” Exploring the applications of Frozen Newton method in the design of Digital filters” International Journal of Advanced Trends in Computer Science and Engineering, 10(1), January- February 2021, 175-180.
<https://doi.org/10.30534/ijatcse/2021/241012021>, ISSN:2278-3091
5. Pushpavathi.K.P, B.Kanmani ,“Design of IIR filters from wavelets – a comparative study” IUP journal of electrical and electronics engineering, Jul 2021, Vol. 14 Issue 3, p 46-65. 20p. <http://ssrn.com/abstract=4090323>
6. Pushpavathi.K.P , B Kanmani, “Design of FIR filters for LTE-Advanced technology” IUP journal of electrical and electronics engineering, Vol. 14, Iss. 4, October 2021. 18-26.

14. National Journal publication:

1. Pushpavathi.K.P, B.Kanmani,” Narrow Band Digital Filter for Carrier Aggregation” Journal of science and Technology, Volume 5 , issue 5 Sep-October 2020 ISSN: 2456 – 5660, DOI: <https://doi.org/10.46243/jst.2020.v5.i5.pp70-77>

15. International Conference Publications:

1. **Vasanth Lakshmi.M, T Anusha Lalitha, K.P. Pushpavathi.K.P** “ Investigation on Image Processing Algorithms Developed for Medical Image Analysis”, International Conference on VLSI and signal Processing, 4-5 May 2012,KSIT, Bangalore.
2. **Pushpavathi.K.P,”** Defining Course outcome for Digital Switching Systems: an example”, 2nd IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), 19-20 Dec, 2014, Thapar University, Patiala, Punjab.
DOI:[10.1109/MITE.2014.7020276](https://doi.org/10.1109/MITE.2014.7020276)
<https://www.webofscience.com/wos/woscc/full-record/WOS:000380442000047>

3. Pushpavathi.K.P, B.Kanmani,” Frequency Sampling Method of FIR Filter design – Comparative Study”, third International conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2018), GSSSIETW, Mysuru, 14-15 Dec, 2018, 588-595
<https://www.webofscience.com/wos/woscc/full-record/WOS:000546179700051>
4. Pushpavathi.K.P, B.Kanmani,” FIR Filter design using Wavelet Coefficients”, 4th International Conference on Wireless Communications Signal Processing and Networking (WiSPNET -2019), SSN College of Engineering, Kalavakkam, TamilNadu, 21- 23 March ,2019 , DOI 10.1109/wispnet45539.2019.9032718
<https://www.webofscience.com/wos/woscc/full-record/WOS:000784179900087>

16. National Conference Publications:

1. Dr. S.Ramachandran, M.Vasanth Lakshmi, K.P.Pushpavathi “Design and Implementation of De-blocking filter for CAVLD for MPEG-4’, National conference on Communication, Computation, Control and automation, April 23-24, 2010 Coimbatore, India.

17. National Conference presented:

1. T.Anushalalitha, Pushpavathi.K.P ,”Need for Simulation in Teaching Transmission lines and Antennas”,7th IETE Icon RFW-2014 8-10 May 2014,HKKBK College of Engineering ,Bangalore.
2. Pushpavathi.K.P, ‘Alternate Assesment Tools in Studying Transmission Lines and Antennas for UG Curriculum – A Study”, International Conference on “Transformation In Engineering Education- Imparting Futuristic Skills”, 15-17 July, 2018, SRM University, Amaravathi, Andra Pradesh.

18. International Conference presented:

1. Vasantha Lakshmi.M, T Anusha Lalitha, K.P. Pushpavathi.K.P “Investigation on Image Processing Algorithms Developed for Medical Image Analysis”, International Conference on VLSI and signal Processing, 4-5 May 2012,KSIT, Bangalore.
2. Pushpavathi.K.P,” Defining Course outcome for Digital Switching Systems: an example”, 2nd IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), 19-20 Dec, 2014, Thapar University, Patiala, Punjab.

DOI:[10.1109/MITE.2014.7020276](https://doi.org/10.1109/MITE.2014.7020276)

3. Pushpavathi.K.P, B.Kanmani,” Frequency Sampling Method of FIR Filter design – Comparative Study”, third International conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECOT-2018), GSSSIETW, Mysuru, 14-15 Dec, 2018, 588-595
4. Pushpavathi.K.P, B.Kanmani,” FIR Filter design using Wavelet Coefficients”, 4th International Conference on Wireless Communications Signal Processing and Networking (WiSPNET -2019), SSN College of Engineering, Kalavakkam, TamilNadu, 21- 23 March ,2019

19. Training/FDP attended :

Sl.No.	Nature of Program	Title of program	Date	Venue
01	2 days conference under TEQIP	“ID workforce development- a road map for India Academia or multicore Technologies”	19 th to 20 th Sept 2006.	BMSCE
02	2 days workshop under TEQIP	“Wireless Technology and Application”	13 th and 14 th October 2006	BMSCE
03	one week workshop	“Engineering Faculty Development Programme”	16 th to 21 st July 2007.	BMSCE
04	one day workshop	“Telecommunication and Information Technology”	6 th Feb.2008.	Bangalore
05	one week workshop under TEQIP	“Micro/Nano Science and Technology- ISSS”	28 th July to 2 nd August 2008	BMSCE
06	one week workshop under TEQIP	“Recent trends in Electrical and Electronics Systems Design and Product Development”	8 th to 13 st September 2008.	BMCSE
07	One day workshop sponsored by Intrinsic Solutions	Wireless sensors and Applications	17 th September 2008	Bangalore

08	two days training program	“Lab View Instruments”	22 nd and 23 rd December 2008.	BMSCE
09	Three days workshop	Available Opportunities for Electronics and Telecommunication Engineers”	5 th to 7 th November 2008	BMSCE
10	five day workshop under TEQIP	DSP Practice using TMS320C54X Processor	10 th to 14 th November 2008	BMSCE
11	Five days workshop	Modern Teaching Methods	20-24 July 2009	BMSCE
12	one week workshop sponsored by MHRD	Hands on experience of virtual instrumentation applications in engg and technology	7 th to 13 th December 2009	NIT, Warangal
13	Two week training	W-CDMA RNS training	25 th June-6 th July 2012	ZTE, Bangalore
14	TEQIP II-One week workshop	“Advanced digital Communication concepts“ By BSNL	28 th Jan – 2 nd Feb 2013	BMSCE, Bangalore
15	Two days national conference	WiSE- wireless communication, signal processing and embedded systems	21 st -22 nd June 2013	BMSCE, Bangalore
16	TEQIP II sponsored one week FDP	Signal processing using MATLAB and SIMULINK	8 th july-13 th July,2013	BMSCE, Bangalore
17	Two day symposium	Indian Technology Congress,	24 th -25 th July,2013	NIMHANS, Bangalore
18	MHRD sponsored Two week workshop	Signals and systems	2 nd January – 12 th January 2014	BMSCE, Bangalore
19	TEQIP II sponsored one week FDP	“Antenna Technologies”	27 th Jan- 1 st Feb 2014	BMSCE, Bangalore
20	TEQIP II sponsored one week FDP	Linear Algebra and its applications	16 th June -20 th June 2014	BMSCE
21	Pre conference, ICTIEE workshop	“teaching lab solutions for RF lab” – Keysight”	5 th January,2015	BMSCE
22	3-days workshop (VTU)	Research methodologies and Latex	18-20 th March, 2015	VTU regional office.
23	IEEE workshop	5G Technology	22 nd -23 rd May, 2015	Hotel Capitol, Bangalore
24	RBK Memorial	Antenna Design and	June 16-17,	RNSIT, Bangalore

	workshop	Simulation Techniques	2015	
25	IEEE workshop	5G technology and user cases	Dec 12,2015	Nokia ,manyatha tech park,bangalore
26	TEQIP II sponsored one week FDP	Research Avenues on SDR and Cognitive Radio	8 th Feb-13 th Feb 2016	RVCE,Bangalore
27	One day workshop	Wireless systems design	May 10 th 2016	BMSCE,TCE
28	Five days training program	NI Communication System Design-NI USRP 2920	May 17 th -21 st 2016	NI India pvt ltd, Bangalore
29	One week TEQIP II sponsored workshop	Essentials of Pedagogy	July 25 th to 29 th 2016	BMSCE
30	Short course by IIT Kanpur in association with MSRIT	Co-operative 4G/5G MIMO wireless technology and research opportunities at IIT kanpur	Dec 28 th –Dec 31 st 2016	MSRIT,Bangalore
31	One day w/s	5G networks and HetNet	March 20, 2017	IISc,Bangalore
32	Five days TEQIP-III FDP	Building Scalable CISCO internetworks	Jan 4 th – 9 th 2018	BMSCE Bagalore
33	Two days workshop	Microwave and antenna laboratory as per VTU CBCS scheme	29 th and 30 th January 2018	BIT, Bangalore
34	Five days GIAN workshop	Towards safe cities: a mobile and social networking approach	1 st to 6 th June 2018	BMSCE, Bangalore
35	One week FDP	“State of Art in RF and wireless Communication Design”	29 th - 2 nd August 2019	BMSCE Bangalore
36	One day IEEE workshop	Leveraging AI for 5G wireless networks	31 st May 2020	online
37	STTP (IEEE)	Protection against Pandemic-Holistic Approach towards Health	June 8-june13 2020 (online)	BMSCE online
38	Two days	CDIO	22 nd &23 rd June 2020	BMSCE online
39	4 weeks	AI for everyone	30 th June 2020	coursera
40	Two week FDP	Applied Data Science	6 th -17 th July 2020	BMSCE (online)
41	workshop	How to choose the right Journal	14 th july 2020	BMSCE
42	Online webinar (IEEE, ITH)	HAM (Amature) radio in present Technologies	23 rd July 2020	online
43	IEEE webinar	Phased array antenna: engineering perceptive	31 st July 2020	online

44	ATAL online FDP -one week	Data sciences (university of Hyderabad)	7 th -11 th Sept, 2020	ATAL
45	National level seminar	Future of higher education in India- turning challenges into opportunities	25 th September, 2020	BMSCE
46	IEEE workshop	Microwave and Antenna applications in 5G	8 th -13 th December 2020	online
47	ATAL online FDP – one week	smart cities and sustainable solutions	2 nd to 6 th August,2021	online
48	One day national level seminar (online)	Digital transformations under NEP 2020	15 th July 2022	IQAC, BMSCE and NAAC
49	Two weeks GIAN program	Sensing and related technologies for the grand challenges of 21 st century: climate, energy, water, food health and mega cities.	11 to 22 July 2022	online
50	Two weeks FDP - IBM skill build	Data science and python	17 th Oct - 1 st Nov, 2022	IBM skill build Program - Online, ECE, BMSCE
51	One week FDP	Advancement in RF, Microwave, Antenna and 5G Application	27 th -31 March, 2023	Online – by Atria college of Engineering
52	One day workshop	Antenna Design, Fabrication & Testing (ADFT 2023)	16 th June 2023	Abhiyantha- Entuple Technologies Pvt. Ltd. , Dept. of EIE, BMSCE
53	One week ATAL FDP	Sustainable health with technological Advancements	17 th to 22 Feb 2025	BMSCE
54	Two day International seminar	Indian Knowledge system	12 th and 13 th March 2025	BMSCE
55	Two week FDP	Python Programming – Concepts to Application	7 th July to 17 th July 2025	BMSCE
56	One day FDP	Indian Knowledge system	4 th -9 th August 2025	BMSCE

20. Conference Attended :

Sl.No.	Participation/ Paper presentation	Title of Conference	Date	Venue
1	Participation	“ID workforce development- a road map for India	19 th to 20 th Sept	BMSCE, Bangalore

		Academia or multicore Technologies”	2006.	
2	Paper presentation: ONE	National conference on Communication, Computation, Control and automation	April 23-24, 2010	Coimbatore, India.
3	Paper presentation: ONE	International Conference on VLSI and signal Processing,	4 th -5 th May 2012	KSIT, Bangalore.
4	Participation	WiSE- wireless communication, signal processing and embedded systems	21 st -22 nd June 2013	BMSCE, Bangalore
5	Paper presentation: ONE	2 nd IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), , Thapar University, Patiala, Punjab.	19-20 Dec, 2014,	Patiala, Punjab.
6	Paper presentation: ONE	International Conference on “Transformation In Engineering Education- Imparting Futuristic Skills”, SRM University, Amaravathi, Andra Pradesh.	15-17 July, 2018	Amaravathi, Andra Pradesh
7	Paper Presentation: one	Third International conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2018), GSSSIETW, Mysuru	14-15 December,2018	Mysuru
8	Paper Presentation: one	International Conference on Wireless Communications Signal Processing and Networking (WiSPNET - 2019).	21- 23 March ,2019	SSN College of Engineering, Kalavakkam, TamilNadu

21. Extracurricular activities Coordinated

Sl. No	Nature of Activity	Details of activity	Date	Beneficiary : Students/Faculty	Dept/College/ Regional
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1	Industry visit	DTTC,BSNL and AIR ,Bangalore	2012	students	dept
2	TEQIP II-One week workshop	“Advanced digital Communication concepts“ By BSNL	28 th Jan – 2 nd Feb 2013	faculty	regional
3	Two days national conference	WiSE- wireless communication, signal processing and embedded systems	21 st -22 nd June 2013	Faculty/ students	National
4	Guest Lecture	HFSS for Antenna Applications’- Sarath,Entuple	8 th March 2014	students	dept
5	Guest Lecture	‘Concepts of Digital Communication”- Manohar,Award solutions	8 th March 2014	students	dept
6	Expert lecture (BMSCE Alumni Activity)	Next Generation Networks” By Chandran D Thomas,BSNL	30 th September 2014	students	dept
7	volunteered	ICTIEE 2015 conference	6-8 th January 2015	Students/ faculty	dept
8	Expert lecture	Software Defined Radio by Karamvir Rathi	3 rd March 2015	Students	Dept.
9	Industrial visit	Cisco,Marathalli	13 th April 2015	VI students	Dept.
10	Expert lecture	Telecom research – Anand M, C-DOT	August 20 th ,2015	V students	dept
11	Expert lecture	Telecom networks, standards and management –Anand M, C- Dot	August 19 th , 2017	V sem students	TE dept.
12	Industrial Visit	BSNL , bangalore	November 2019	IV sem students	TE Dept
13	Expert lecture	Abhirama K.S “signal integrity”	November 22, 2020	V sem students	TE dept.
14	Talk	GATE exam_ prepladder	25 th April, 2022	VI sem students	ETE
15	talk	CAT, GRE and GMAT - Careerlauncher	12 th May 2022	VI sem students	ETE
16	Expert talk(HAM club)	Role of HAM (Amateur) Radio in today's technologies & Disaster Management – Dr Shankar Sathyapal	August 6 th , 2022	IV sem students	TE dept.
17	Expert talk(HAM club)	Antenna for HAM - Madhuprasad	16 th December,2022	6 th and 4 th semester	ETE
18	Skill development	Antenna test and	6 th April, 2023	6 th semester	ETE

	workshop	Measurement by Krithesh			
19	Skill development workshop	Personality, Attitude and Career outlook development by Varija	8 th April, 2023	6 th semester	ETE
20	Industrial Visit	Robert Bosch, Koramangala	1 st September, 2023	4 th semester	ETE
21	Phase shift 2023 – faculty coordinator and stall coordinator	Phase shift 2023	14 th -15 th December 2023	-	-
22	Industrial Visit	INDO-MIM limited, Doddaballapur, Bangalore	15 th March, 2025	6 th semester	ETE

22. Courses Handled:

1. Digital Switching Systems
2. Global Systems for Mobile (GSM)
3. Analog Communication
4. Real Time Systems
5. Computer Communication Networks -1
6. Transmission Lines and Antennas
7. Satellite Principles and Applications
8. Signal Integrity and EMI/EMC
9. Multimedia Communication
10. Communication Systems-2
1. Power Electronics Lab
2. Analog Electronics Circuits lab
3. Analog Communication Lab
4. Digital Communication Lab
5. DSD -VHDL Lab
6. Discrete Time Systems Lab
7. Simulation Lab IV
8. Simulation Lab II
9. Advanced Communication Lab
10. Wireless communication Lab
11. Sensors and measurements lab
12. Linear Integrated Circuits Lab

23. MOOC/NPTEL/Coursera

1. NPTEL course “Computer networks and Internet Protocol” – January to April 2020
2. Coursera “AI for everyone”. 4 weeks, 30th June 2020.

24. Professional Body Membership

Sl.No.	Professional Body	Membership Number
1	Senior Member, IEEE	92253568
2	IEEE, communication society	92253568
3	IETE member	M-503082
4	Member, ARSI	