1. **Faculty Name &Id:** KUNDURTHI RAVI KUMAR , EC 405

2. **Department** :ELCTRONICS COMMUNICATION ENGINEERING

3. **Designation** :Associate Professor

4. **Years of Experience:** 27 (Including 6 years Industrial experience)

5. **Employment Status:** Ratified

6. **Email** :kundurthiravikumar1971@gmail.com

7. **DOJ** :19 – 11 – 2010

8. **Qualification** :M.Tech (Ph.D)

9. **Phone** :9347041081

10. **Date of Birth** :23 – 08 - 1971

11. **Areas of Specialization:** Digital Systems & Computer Electronics

12. **Area of Research:** Wireless Communications, VLSI

13. **Papers Published:** 12

Title of the Paper	Author(s)	Name of the Journal	Year of publication	Volume/Issue/Page No.	ISSN No	SCI/ESCI/SCI/SCOPUS/UGCC

JOURNALS:12

CONFERENCES: NATIONAL /INTERNATIONAL: 1

14. WORKSHOPS / FDP's/ STTP attended: 36

15. Memberships: IAENG

1	Manchester Encoding in SOLS for DSRC Applications	**P. Annapurna Devi K.Ravi Kumar**	International Journal for Research in Technological Studies(IJRTS)	11,October, 2015	Volume 2,	2348-1439	UGC
2	Design of Low Power Multiplier by using ANT & RPR Schemas	**Gutha Tirumala KundurthiRavi Kumar**	International Journal for Research in Technological Studies (IJRTS)	11,October, 2015	Volume 2	2348-1439	UGC
3	An Effective Scheming Of Power Efficient Circuits by Using Reversible Logic	**Vasireddy Nisthula K.Ravi Kumar**	International Journal of Reviews on Recent Electronics and Computer Science (IJRECS)	12,December, 2015	Volume 3	2321-5461	UGC
4	Design of Aging Aware Hybrid Logic Level Multiplier	**Chinta Jyothi Padmavathi,Ku ndurthiRavi Kumar**	International Journal of Research (IJR)	06,May, 2017	Volume 4	2348-6848	UGC
5	Design an High Security Cryptography Using Galio Field	**S.ChandrikaK. Ravi Kumar**	International Journal of Advanced Scientific Technologies, Engineering and Management Sciences(IJASTE MS)	05,May, 2017	Volume 3	2454-356X	UGC
6	VLSI Design of a Novel Pre-Encoding Multiplier using Dadda Multiplier	**Katakam Hemalatha K.Ravi Kumar**	International Journal of Professional Engineering Studies (IJPRES)	4, May, 2017	Volume 8	4-29	UGC
7	High Speed Implementatio n of Novel Fft Based On Parallel Prefix Technique	Rebba Santhi Swarupa Rani , K. Ravi Kumar	International Journal of Research	February 2018	Volume 05 Issue 04	ISSN: 2348-795X	UGC

8	Implementatio n of Floating Point FFT Using Parallel Prefix Multiplier for Fast Operation	**L. Bhagya Lakshmi, Sanjay Kumar Suman,K.Ravi Kumar, P. Nageswara Rao**	Journal of Applied Science and Computations(JA SC)	4, April, 2019	Volume VI	1076-5131	UGC
9	Design and Implementaio n of Razor Flip Flop based Finite Field Multiplier	**PentelaRadhika, Kundurthi Ravi Kumar**	AJournal of Composition Theory	June 2020	Volume XIII, Issue VI	ISSN : 0731-6755	UGC
10	Efficient Design and Implementatio n of Low-Power 1-Bit Full Adder for VLSI Applications	**Ms. K.Rajitha, Mr. Y. Bhaskara Rao,Dr.Chiluka Ramesh, Mrs. K.Sarada, Mr. K. Ravi Kumar**	Journal of Engineering and Technology Management	2024	Volume 73	ISSN – 1879 – 1719	ELSEV IER
11	The Magic Duo of IOT and Blockchain: Transforming Agriculture with Real Time Data and Transparency	**Dr. Chiluka Ramesh, Mr. K. Ravi Kumar ,Mrs. K.Sarada, Mr. V. Ajay Shankar ,Dr. D. Venkata Rao**	Journal of Engineering and Technology Management	2024	Volume 73	ISSN – 1879 – 1719	ELSEV IER
12	Design and Implementatio n of a Highly Articulated 17 DOF Bipedal Robot with Arduino Control	**Dr. Chiluka Ramesh, Ms. SK. Gousiya Begum, Dr. K.Gouthami, Mr. K.Ravi Kumar**	TANZ	ISSUE07 2024	VOL19	ISSN NO: 1869-7720	SCOP US

Sl. No	Title of the Program	Date		No. of days	FDP/Webinar/Training	Association	MODE
		From	To				
1	ROLE OF POWER ELETRONICS IN ELECTRIC VEHICLE TECHNOLOGY.	25/11/2024	30/11/2024	6	FDP	KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES &AICTE Training and Learning (ATAL) Academy	Off line
2	Wireless Sensor Network based Agriculture system using Machine Learning.	11/11/2024	16/11/2024	6	FDP	KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES &AICTE Training and Learning (ATAL) Academy	Off line
3	IMPACT OF AI: ROBOTICS, VLSI AND MEDICAL DOMAINS	22-04-2024	27-04-2024	6	FDP	VVIT in association with IETE Vijayawada	Off line
4	RecentAdvancementsinDeepLearningforComputerVisionApplications	01-04-2024	12-04-2024	2 week	FDP	CVR College of Engineering,Ibrahimpatnam,R.R.Dist,TelanganaState	Online
5	Data Analytics Process Automation	11-03-2024	16-03-2024	6	FDP	AICTE ATAL-EduSkillsRaghu Engineering College, Andhra Pradesh	Offline
6	Exploring the Cutting-Edge Developments in VLSI Design"	18-3-2024	22-3-2024	5	FDP	VALLURUPALLI NAGESHWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY in association with IEEE CAS Student chapter of VNRVJIET and IEEE CAS/EDS joint Chapter,	Online

						Hyderabad	
7	Blockchain Technology	27 – 03-2023	02-04-2023	1 week	FDP	Make Skilled	
8	"Recent Advances in Antennas for Wireless Communications",	27-7-2021	31-7-2021	5	FDP	Bapatla Engineering College Autonomous	Online
9	LATEST TECHNOLOGICAL DEVELOPMENTS IN ELECTRONICS AND COMMUNICATION ENGINEERING	05-10- 2020	17-1O-2020	2 weeks	FDP	KL, Deemed to be University	Online
10	Accelerating Research	27-08-2020	29-08-2020	3	FDP	Lendi Institute of Engineering and Technology	Online
11	Wireless Communication Technologies for IoT	27-07-2020	07-08-2020	14	FDP	Electronics and ICT Academies &Ministry of Electronics and Information Technology (MeitY), Government of India, IIT Guwahati	Online
12	Antennas	12-7-2020	12-7-2020	1	FDP Seminar	APSSDC	Online
13	Image Processing and Computer Vision- Industrial ScopeDepartment of ECE.	08-7-2020	12-7-2020	5	FDP	MLWEC, Guntur	Online
14	MATLAB and Simulink in Engineering Education	10-06-2020	11-06-2020	2	FDP	APSSDC	Online
15	Innovative Trends in DataAnalysis with AI	26-05-2020	30-05-2020	5	FDP	MLWEC, Guntur, &Codegnan	Off line

16	Embedded Systems	25-05-2020	06-06-2020	13	FDP	APSSDC	Online
17	Building a Smart Device with Amazon Alexa – IOT	06-7-2020	06-7-2020	1	Webinar	Make Skilled Platform of Madblocks Technologies Pvt Limited	Online`
18	Self-Assessment & Self – Awareness, A Hands-on Approach	01-7-2020	01-7-2020	1	Webinar	J.B. Institute of Engineering & Technology.	Online
19	Leadership talk Ms. AshwiniDeshpande (Co-Founder & Director Elephant Design)	06-6-2020	06-6-2020	1	Webinar	MHRD	Online
20	MATLAB and Simulink in Engineering Education	10-6-2020	11-6-2020	2	FDP	APSSDC in Collaboration with Capricot and Mathworks	Online
21	Leadership talk Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment)	13-6-2020	13-6-2020	1	Webinar	MHRD	Online
22	Leadership talkWith Mr.ShridharVenkat, CEO (AkshayPatra Foundation)	20-6-2020	20-6-2020	1	Webinar	MHRD	Online
23	Leadership talk Dr. PramodChaudhari, Founder, Chairman, Praj Industries Limited	16-5-2020	16-5-2020	1	Webinar	MHRD	Online
24	Leadership talk Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd	30-5-2020	30-5-2020	1	Webinar	MHRD	Online
25	Leadership talk Dr. Nilesh N Oak, Expert (Indian Civilization & History)	30-5-2020	30-5-2020	1	Webinar	MHRD	Online
26	Innovative Trends in Data Analysis with AI	26-5-2020	30-5-2020	5	FDP	Codegnan IT Solutions	Online
27	Embedded Systems from	25-5-2020	06-6-2020	13	FDP	APSSDC	Online
28	Advanced Python Programming using Django	21-5-2020	25-5-2020	5	FDP	MLWEC, Guntur.	Online

29	Internet of Things (IOT)	18-11-2019	23-11-2019	6	FIP	MLWEC, Guntur, & APSSDC	Off line
30	VLSI Design	15-11-2016	19-11-2016	5	FIP	SRK College of Engineering , Vijayawada.	Offline
31	Engineering Education & Research Seminar	29-12-2015	29-12-2015	1	Seminar	National Instruments IndiaVijayawada.	Offline

Details of NPTEL CERTIFICATES AY: 2023 – 24 , 2024 - 25

S.NO	NAME	COURSE	INSTITUTE/UNIVERSITY	DURATION	RESULT	BAND
1	KUNDURTHI RAVI KUMAR	Problem Solving Through Programming in C	IIT Kharagpur	12-week	Pass	-
2	KUNDURTHI RAVI KUMAR	Programming in Java	IIT Kharagpur	12-week	Pass	-
3	KUNDURTHI RAVI KUMAR	Optical Wireless Communications for Beyond 5G	IIIT Delhi	12-week	Pass	Elite
4	KUNDURTHI RAVI KUMAR	Effective Engineering Teaching in Practice	IIT Madras	4-week	Pass	Elite
5	KUNDURTHI RAVI KUMAR	Programming in Modern C++	IIT Kharagpur	12-week	Pass	Elite

Details of NPTEL FDPs AY: 2023 – 24 , 2024 -25

S.NO	NAME	COURSE	INSTITUTE/UNIVERSITY	DURATION
1	KUNDURTHI RAVI KUMAR	Problem Solving Through Programming in C	IIT Madras	12-week
2	KUNDURTHI RAVI KUMAR	Programming in Java	IIT Madras	12-week
3		Optical Wireless		12-week

	KUNDURTHI RAVI KUMAR	Communications for Beyond 5G	IIIT Madras	
4	KUNDURTHI RAVI KUMAR	Effective Engineering Teaching in Practice	IIT Madras	4-week
5	KUNDURTHI RAVI KUMAR	Programming in Modern C++	IIIT Madras	12-week