



Techie Tweed

Volume 4: Issue 1

NEWS LETTER

JAN-JUNE/2022

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



“The wellbeing of the world largely depends upon the work of the engineer. There is a great future and unlimited scope for the profession; new works of all kinds are and will be required in every country, and for a young man of imagination and keenness I cannot conceive a more attractive profession. Imagination is necessary as well as scientific knowledge”

Frequency: Half Yearly

Editorial Board

Dr. G. Rama Krishna M. Tech, Ph. D
Professor, Head of The Department

M. Venkateswarulu, M. Tech, (Ph. D)
Associate Professor

Students

P. RAJESH - 18MH1A04E3

B.N.V.S.V. SIDDHU - 18MH1A04F6

B. G. BHARATHI- 18MH1A0456

M. KARTHIK-18MH1A0477

V. JYOTHI-19MH1A04E9

Inside This Issue

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Vision

To be a center of excellence and renowned
for Electronics & Communication
Engineering education and research

Mission

M1: Enlighten the graduates in the basic
concepts underlying the principles of analog
and digital Electronics, Communication
systems and advanced technologies.

M2: Provide state of the art infrastructure
and research facilities

M3: Organizing industrial programs and
social activities in collaboration with
industries, NSS to disseminate knowledge

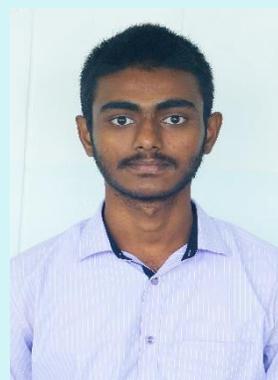
SEMESTER TOPPERS

ELECTRONICS & COMMUNICATION ENGINEERING

TOPPERS LIST @ (18 Batch) IV B. TECH I SEMESTER



8.36 (1st Place)
19MH5A0421
CH SRI LAKSHMI



8.23 (2nd Place)
19MH5A0444
K SUBRAHMANYAM

TOPPERS LIST @ (19 Batch) III B. TECH I SEMESTER



8.43 (1st Place)
20MH5A0412
J. NAGENDRA



8.43 (1st Place)
19MH1A04E9
VUNDAVALLI JYOTHI



8.21 (2nd Place)
20MH5A0414
K.SRI CHAKRA LAKSHMI

EVENTS ORGANIZED



On April 23, 2022, Achievers Day was observed. Aditya College of Engineering organized this special event for the students who were successfully placed in a variety of companies with excellent pay packages. On this occasion, all 144 placed students and their parents are present. Dr. A. Ramesh garu, Principal of the college, and Dr. G. Ramakrishna garu, E.C.E, congratulated all the achievers on this occasion. Parents and students are overjoyed on this occasion, and they express their gratitude to the college administration, Principal Sir, Department HOD Sir, and faculty.

SEMINAR

A seminar was conducted to the III-year students on MEMS Switches on 26-02-2022 by the Dr. N. V. Rao Professor, JNTUK. In this seminar 186 students are attended.

Placements

S.NO	REG.NO	NAME OF THE STUDENT	COMPANY NAME	DESIGNATION	CTC
1	18MH1A0477	KARTHIK MEDIBOINA	TECHIGAI	SOFTWARE ENGINEER	6.00 LPA
2	18MH1A04C6	KRISHNA SRIKANTH K	TECHIGAI	SOFTWARE ENGINEER	6.00 LPA
3	18MH1A04C9	MATUPARTHI MANOJ SAI	MAERSK	SOFTWARE ENGINEER	9.90 LPA
4	19MH5A0415	SIVA BHANUPRASAD AMJURI	ALTIMETRIK	ASSOCIATE ENGINEER	7.00 LPA
5	18MH1A0496	BABA SAI ESWARA REDDY SATTI	INNVENIO BUSINESS SOLUTION	TRAINEE	6.00 LPA
6	18MH1A04D3	KALYANI LAKSHMI MEESALA	INNVENIO BUSINESS SOLUTION	TRAINEE	6.00 LPA
7	19MH5A0444	KODURI SUBRAHMANYAM	REVATURE	ASSOCIATE SOFTWARE ENGINEER	6.00 LPA
8	19MH5A0415	SIVA BHANUPRASAD AMJURI	REVATURE	ASSOCIATE SOFTWARE ENGINEER	6.00 LPA
9	18MH1A04C6	KRISHNA SRIKANTH K	INCREFF	ASSOCIATE SOFTWARE ENGINEER	7.40 LPA
10	18MH1A04B3	VENKATA SAI RAM DASARI	XORiant	ASSOCIATE SOFTWARE ENGINEER	8.00 LPA
11	18MH1A04A2	VAKKALANKA NAGA PUJITHA	LUMEN	SOFTWARE TRAINEE ENGINEER	6.00 LPA
12	18MH1A0467	RAMYA KANTIMAHANATHI	TURINGMINDS.AI	TRAINEE	6.20 LPA
13	19MH5A0411	KOPPULA SANDEEP REDDY	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
14	18MH1A0413	DESINA LAVANYA	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
15	18mh1a0437	RAVI KRISHNA	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
16	18MH1A04C4	UPENDRA KOLLURI	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
17	18MH1A04A7	BALISSETTI SRAVANI	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
18	18mh1a0421	GAYATHRI KANDALA	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA

19	18MH1A0484	NANDIGAM KRANTHI KUMAR	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
20	18MH1A0494	RASAMSETTI CHARAN	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
21	19mh5a0414	AKULA YEDUKONDALU	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
22	19MH5A0462	SHEIK SAJID	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
23	18MH1A04A8	BOGIREDDI CHANDRA DURGA	ZELF STUDIE	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA

Congratulations

Journals Publications

Sl. No	Name of the Faculty/ Author	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/Month	Index No UGC/ Scopus
1	Dr. Meenakshi Sundaram	Analysis of performance, combustion, and emission parameters in a reactivity-controlled combustion ignition (RCCI) engine - an intensive review	International Journal of Ambient Energy	ISSN: 2162-8246	06-Apr-22	SCI
2	Dr.U.S.B.K.Mahalakshmi	Hybrid Feature-Based Disease Detection in Plant Leaf Using Convolutional Neural Network, Bayesian Optimized SVM, and Random Forest Classifier	Journal of food quality	ISSN : 0146-9428	10-Feb-22	SCI
3	Dr.U.S.B.K.Mahalakshmi	Using Electroencephalogram Classification in a convolutional network, infer privacy on health care internet of things 5.0	Expert Systems	ISSN: 1468-0394	Jan-22	SCI
4	Dr.G. Jaffino	Weighted 1D-local binary pattern features and Taylor-Henry gas solubility optimization based Deep Max out network for discovering epileptic seizure using EEG	DIGITAL SIGNAL PROCESSING	2021.10 3349	122 , 15 April 2022	SCI

Patents

Sl. No	Name of the Faculty	Patent details	Area of the patents files/ obtained	Status	Filing agency
1	Dr.G.RAMAKRISHNA	Method for minimizing the battery power using mobile adhoc networks	Electrical & Agricultural	Granted	IP Australia
2	Dr.U.S.B.K.Mahalakshmi	Efficient Iris Recognition System with complete local ternary pattern feature extraction & classification method	Biomedical	Granted	IP Australia
3	M. Venkateswarulu	Nano bio compatible hydrogels for treating external injuries	Medical image processing	published on 13-08-2021	Intellectual Property India
5	Dr.R.Raman	Combination of an IOT Based Rural Village Micro-Grade Regulator Strategy Based On Smart Grid multipotent modeling and trans active energy administration values	Electrical	Published on 04/02/2022	Intellectual Property India
6	Mrs.K.Suma	Method to observe Fast Data Transmission Light Rays	Bio Medical Engineering	Published on 16/02/2022	Novel Patent Services ltd

Book & Book Chapters

Sl. No	Name of the Faculty Author	No of Authors	Main Author/ other	Title of the Book Chapter	Name of the Publisher	ISBN Number
1.	G.Jaffino	3	J.Prabin Jose, M.Sundaram	Contour and Texture based approaches for dental radiographic and photographic images in Forensic identification	Advances in Communication s,SignalProcessing, and VLSI	1732-6418
2.	Dr.Raman	3	Dr.T.S.Karthik	Digital Electronics:Theory and Practice	Anvi Books & Publishers	978-93-90856-022

STUDENTS PUBLICATIONS

S.NO.	PAPER TITLE	AUTHOR	NAME OF JOURNAL	YEAR OF PUBLICATION	ISSN/ISBN NUMBER
1	A Comparative Study of Different IOT Sensors	V. Madhava Sai Teja	International Conference in Mechanical and Energy Technology-2021	JUNE27,2022	978-981-19-0108-9
2	Monitoring of Infrastructure and Development for Smart Cities Supported by IoT Method	Karri Rama Sai Reddy,Chundru Satwika	International Conference in Mechanical and Energy Technology-2021	JUNE27,2022	978-981-19-0108-9
3	Sparse Function Learning for Alzheimer's Disease Detection Dependent on Magnetic Characteristics Imaging with Mark Information	Y. Suma	International Conference in Mechanical and Energy Technology-2021	JUNE27,2022	978-981-19-0108-9
4	Study of Different Types of Smart Sensors for IoT Application Sensors	Ch. V. N. S. Mani Kiran	International Conference in Mechanical and Energy Technology-2021	JUNE27,2022	978-981-19-0108-9
5	Forest Fire Detection Using Satellite Images	Kakarapalli Lalitha	International Conference in Mechanical and Energy Technology-2021	JUNE27,2022	978-981-19-0108-9

FACULTY ACHIEVMENTS

1. B. Jagadeesh Babu Assistant Professor have got Ph.D. admission in Andhra University through APRCET- 2021

2. K. Sangeeth Kumar Assistant Professor have got Ph.D. admission in Andhra University through APRCET- 2021



STUDENTS ACHIEVMENTS

K DIVYA STUDENT FROM II YEAR ECE 20MH1A04A1 HAVE WON THE GOLD MEDAL IN TAEKWONDO JNTUK INTER COLLEGIATE TAEKWONDO TOURNAMENT (UNDER 67 KGS).
DVR & Dr. HS MIC COLLEGE KANCHIKACHERLA VIJAYAWADA held on 20-02-2022

JNTU KAKINADA INTERCOLLEGIATE TAEKWONDO TOURNAMENT -2021-22



Congratulations

NAME :K.DIVYA

ROLL NO : 20MH1A04A1

ECE 2nd YEAR

TAEKWONDO TOURNAMENT WINNER

UNDER 67 WEIGHT CATEGORY GOLD MEDAL



ADITYA COLLEGE OF ENGINEERING



జె.ఎన్.టి.యు.కె 'త్వైక్వాండ్' పోటీలలో ఆదిత్య విద్యార్థుల హవా



గండేపల్లి ఫిబ్రవరి 23,

పల్లెజ్యోతి ప్రతినిధి

గండేపల్లి మండలం సూరంపాలెం ఆదిత్య విద్యా ప్రాంగణంలో గల వివిధ ఇంజనీరింగ్ మరియు ఫార్మాసి కళాశాలలకు చెందిన విద్యార్థులు జె.ఎన్.టి.యు.కె. యూనివర్సిటీ "త్వైక్వాండ్" పోటీలలో విశేష ప్రతిభ కనబర్చి పథకాలు సాధించారని ఆదిత్య విద్యాసంస్థల వైస్ చైర్మన్ డా. ఎన్.సతీష్ రెడ్డి

తెలియజేసారు. ఈ నెల 20-02-2022న ఎం.ఐ.సి కంచిక చర్ల లో నిర్వహించిన జె.ఎన్.టి.యు. టోర్నమెంట్ మరియు సెలక్షన్ & ట్రయల్స్ మెన్ & విమెన్ లో పాల్గొన్న ఆదిత్య విద్యార్థులు 53 కేజీల విభాగంలో పి. సమ్రత రాగ (ద్వితీయ బీఫార్మసి-ఆదిత్య కాలేజ్ ఆఫ్ ఫార్మసి) 67 కేజీల విభాగంలో కె.దివ్య (ద్వితీయ ఇ.సి.ఇ) ఆదిత్య కాలేజ్ ఆఫ్ ఇంజనీరింగ్ కళాశాల పాల్గొని విశేష ప్రతిభ కనబరిచి మహిళల విభాగంలో గోల్డ్ మెడల్ కైవసం చేసుకున్నారు, మహిళల విభాగంలో జె.ఎన్.టి.యు.కె "త్వైక్వాండ్" టీమ్ కు ఎంపిక అయినట్లు తెలిపారు. మార్చి నెల 21 నుంచి 24 వరకు కేరళలో జరుగు పోటీలలో పాల్గొంటారని తెలిపారు. ఈ సందర్భంగా విజే తలను అందుకు సహకరించిన ఫిజికల్ డైరెక్టర్లను ఆదిత్య విద్యాసంస్థల వైస్ చైర్మన్ డా. ఎన్. సతీష్ రెడ్డి, ప్రిన్సిపాల్ డా. ఎం.శ్రీనివాస్ రెడ్డి, ఫార్మసి కళాశాల ప్రిన్సిపాల్. డా. కె.రవిశంకర్, ఇంజనీరింగ్ కళాశాల ప్రిన్సిపాల్ డా. ఆదిరెడ్డి రమేష్ తదితరులు అభినందించారు. ఈ కార్యక్రమంలో ఫిజికల్ డైరెక్టర్ లు ఎస్. వెంకటేష్, ఎన్.రవి, ఎన్. శంకర్ రావు, కోచ్ అర్జునరావు పాల్గొన్నారు

Congratulations



“The wellbeing of the world largely depends upon the work of the engineer. There is a great future and unlimited scope for the profession; new works of all kinds are and will be required in every country, and for a young man of imagination and keenness I cannot conceive a more attractive profession. Imagination is necessary as well as scientific knowledge”

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Professor, Head of The Department

M. Venkateswarulu, M. Tech, (Ph. D)
Associate Professor

Students

A.VARDHAN - 21MH1A0469

G.KAVYA - 21MH1A0481

M.LKHITHA- 21MH1A04A1

V.SAI-19MH1A0498

V. JYOTHI - 19MH1A04E9

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Conferences

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M3: Organizing industrial programs and social activities in collaboration with industries, NSS to disseminate knowledge

SEMESTER TOPPERS

ELECTRONICS & COMMUNICATION ENGINEERING

TOPPERS LIST @ (18 Batch) IV B. TECH II SEMESTER



9.00 (1st Place)
18MH1A04C9
M MANOJ SAI



8.88 (2nd Place)
19MH5A0425
CH RANJITH KUMAR



8.88 (2nd Place)
19MH5A0431
GADDE RAMA KRISHNA

TOPPERS LIST @ (19 Batch) III B. TECH II SEM



7.86 (1st Place)
19MH1A0402
A VENKATA SIREESHA



7.86 (1st Place)
19MH1A04B0
D GOVINDA SAI



7.79 (2nd Place)
19MH1A04E9
V.JYOTHI

TOPPERS LIST @ (20 Batch) II B. TECH II SEM



8.19 (1st Place)
20MH1A0428
KATTOJI RUCHITA SRI



8.19 (1st Place)
21MH5A0425
POLNATI AISWARYA



8.19 (1st Place)
20MH1A04A5
NALLA G BHAVANI



8.05 (2nd Place)
20MH1A0481
DANGETI MAHESH



8.05 (2nd Place)
20MH1A04GO
M LAKSHMI DEVIKA PALLAVI

Congratulations

EVENTS ORGANIZED

SEMINAR

“A Seminar on Infosys Springboard Platform”

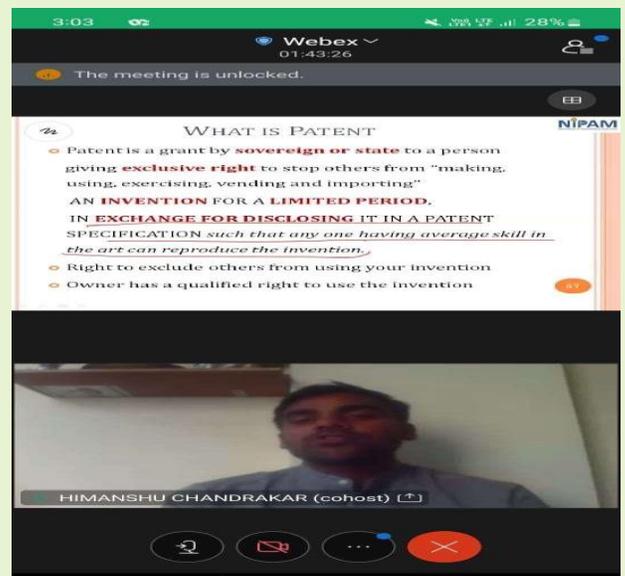
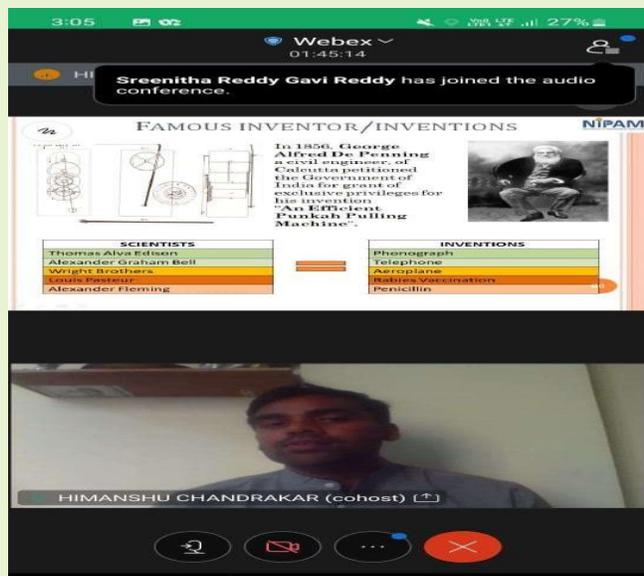
A seminar was conducted 16-11-2022 to the II-year students by Mrs. Girija Sr. Analyst, Infosys. In alignment with the Infosys ESG Vision 2030 to enable digital skills at scale, Infosys Springboard has been identified as a flagship digital learning platform to empower people, communities, and society with skills to be successful in the 21st Century. Powered by Infosys Wingspan, our integrated digital learning and collaboration platform, Infosys Springboard includes content spanning across digital learning, emerging technologies, and life skills. This program is led by a dedicated team of experts collaborating globally with the Infosys Education Training and Assessment (ETA) team, curriculum partners, non-profits and a global network of leading educational institutions



WORKSHOP

Online Workshop on Intellectual Property Rights and Patents (IPR) and Design Filing

Intellectual property rights (IPR) have been defined as ideas, inventions, and creative expressions based on which there is a public willingness to bestow the status of property. IPR provide certain exclusive rights to the inventors or creators of that property, in order to enable them to reap commercial benefits from their creative efforts or reputation. There are several types of intellectual property protection like patent, copyright, trademark, etc. Patent is a recognition for an invention, which satisfies the criteria of global novelty, non-obviousness, and industrial application. IPR is prerequisite for better identification, planning, commercialization, rendering, and thereby protection of invention or creativity. Each industry should evolve its own IPR policies, management style, strategies, and so on depending on its area of specialty. Pharmaceutical industry currently has an evolving IPR strategy requiring a better focus and approach in the coming era.



Placements

S.NO	REG.NO	NAME OF THE STUDENT	COMPANY NAME	DESIGNATION	CTC
1	19MH1A04E6	T VAMSI KRISHNA SAI	DXC Technology	SOFTWARE ENGINEER	7.00 LPA
2	19MH1A04E7	VEDURUPARTHY SRI GANESH SAI RAM	The Tech Destiny	SOFTWARE ENGINEER	4.20 LPA
3	19MH1A04E8	V VENKATA PARVATHI	DXC Technology	SOFTWARE ENGINEER	4.20 LPA
4	19MH1A04F5	Bommiseti Meghana	Hexaware Technologies	ASSOCIATE ENGINEER	4.20 LPA
5	19MH1A04F5	Bommiseti Meghana	DXC Technology	TRAINEE	4.20 LPA
6	19MH1A04F9	CHIKKAM SRI VISHNUVARDHAN	Hexaware Technologies	TRAINEE	4.20 LPA
7	19MH1A04G1	GARAGA BHAGYASRI	DXC Technology	ASSOCIATE SOFTWARE ENGINEER	4.20 LPA
8	19MH1A04G4	GUMMALLA VEERA SIVAJI	Hexaware Technologies	ASSOCIATE SOFTWARE ENGINEER	4.00 LPA
9	19MH1A04G6	JANGA INDIRA ISWARYAMBIKA	Hexaware Technologies	ASSOCIATE SOFTWARE ENGINEER	4.00 LPA
10	19MH1A04G7	KADIMISETTI DEVI VARA PRASAD REDDY	Hexaware Technologies	ASSOCIATE SOFTWARE ENGINEER	4.20 LPA
11	19MH1A04H0	K VIVEK SANTHOSH	DXC Technology	SOFTWARE TRAINEE ENGINEER	4.00 LPA
12	19MH1A04H1	KAPAGANTI LAKSHMI MANASA	Hexaware Technologies	TRAINEE	4.00 LPA
13	19MH1A04H2	KODURI SUSHMA	Hexaware Technologies	BUSINESSS DEVELOPMENT TRAINEE	4.20 LPA
14	19MH1A04H4	MADAKA JAGADEESH	DXC Technology	BUSINESSS DEVELOPMENT TRAINEE	4.20 LPA
15	19MH1A04H5	Sireesha Maddala	DXC Technology	BUSINESSS DEVELOPMENT TRAINEE	5.60 LPA
16	19MH1A04H5	Sireesha Maddala	Kyndryl	BUSINESSS DEVELOPMENT TRAINEE	6.00 LPA
17	19MH1A04H5	Sireesha Maddala	Jio Platforms	BUSINESSS DEVELOPMENT TRAINEE	7.20 LPA
18	19MH1A04H5	Sireesha Maddala	TCS Digital	BUSINESSS DEVELOPMENT TRAINEE	4.20 LPA

International Journals (Scopus Indexed):

1. Sebina Yesmin, **Inamul Hussain**, Meghali Devi, Rajdeep Dasgupta, and Siddhartha S. Dhar, "Exploration of Cu/g-C₃N₄ Nanocomposites as a Cost-Effective High-Performance Asymmetric Supercapacitor Electrode Material", *IEEE Transactions on Nanotechnology*, Volume 21, pp 474–480, July-2022. [IF 2.967, SJR 0.58, H- Index 85] <https://ieeexplore.ieee.org/document/9842315>
<https://onlinelibrary.wiley.com/doi/abs/10.1111/exsy.12942>.

2. Yogendra narayan, **R.Raman**, Anuj Kumar Sharma, Santosh Soni, Pankaj Chandra, Akanksha Gupta "Design And Implementation of a Smart Traffic Management System Using Internet of Things (IoT) Technology" *European Chemical Bulletin*, Volume -12, Special Issue-5 : Page: 426-434, May-2023, ISSN 2063-5346. [SJR0.25, H- Index 11]

<https://www.eurchembull.com/uploads/paper/e1e7c77426fdd470033ca0f18d723b97.pdf>

International Conferences (Scopus/WoS):

1. Lakshmia, P. Yuvasri, Y. Lavanya, **B. Jagadeesh Babu**, and B. S. Sridevid. "Comparative Analysis of Approximate Integer and Floating-Point Multiplier." In *Recent Developments in Electronics and Communication Systems: Proceedings of the First International Conference on Recent Developments in Electronics and Communication Systems (RDECS-2022)*, vol. 32, p. 45. IOS Press, 2023.

<https://ebooks.iospress.nl/pdf/doi/10.3233/ATDE221235>.

2. Singh M.K., Karthik M., **Ramesh P.**, Rama Naidu G. "Deep Neural Network Inference via Edge Computing: On-Demand Accelerating", In *Recent Developments in Electronics and Communication Systems*, pp. 557 - 562. IOS Press, 2023.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0>

3. Tejasri, P. N. S., K. Anusha, **K. Sangeet Kumar**, Nukella Venkatesh, and Y. Yamini Devi. "Interference-Normalized Least Mean Square Algorithm: A Comparative Study." In *Recent Developments in Electronics and Communication Systems*, pp. 84-89. IOS Press, 2023.

<https://ebooks.iospress.nl/doi/10.3233/ATDE221241>.

4. Singha, Mahesh K., D. Lavanyab, Ch Asha Madhuric, **P. Ramesh**, and V. Satyanarayanae. "Improving Speech Quality Using Deep Neural Network-Based Manipulation of Cepstral Excitation." In *Recent Developments in Electronics and Communication Systems: Proceedings of the First International Conference on Recent Developments in Electronics and Communication Systems (RDECS-2022)*, vol. 32, p. 340. IOS Press, 2023.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0->

5. Vyshnav, A.R.K., **B. Jagadeesh Babu**, and P. Bala Srinivas. "Logarithm and Antilogarithm Converter with Accurate Error Correction." In *Recent Developments in Electronics and Communication Systems*, pp. 126-132. IOS Press, 2023.

<https://ebooks.iospress.nl/doi/10.3233/ATDE221247>.