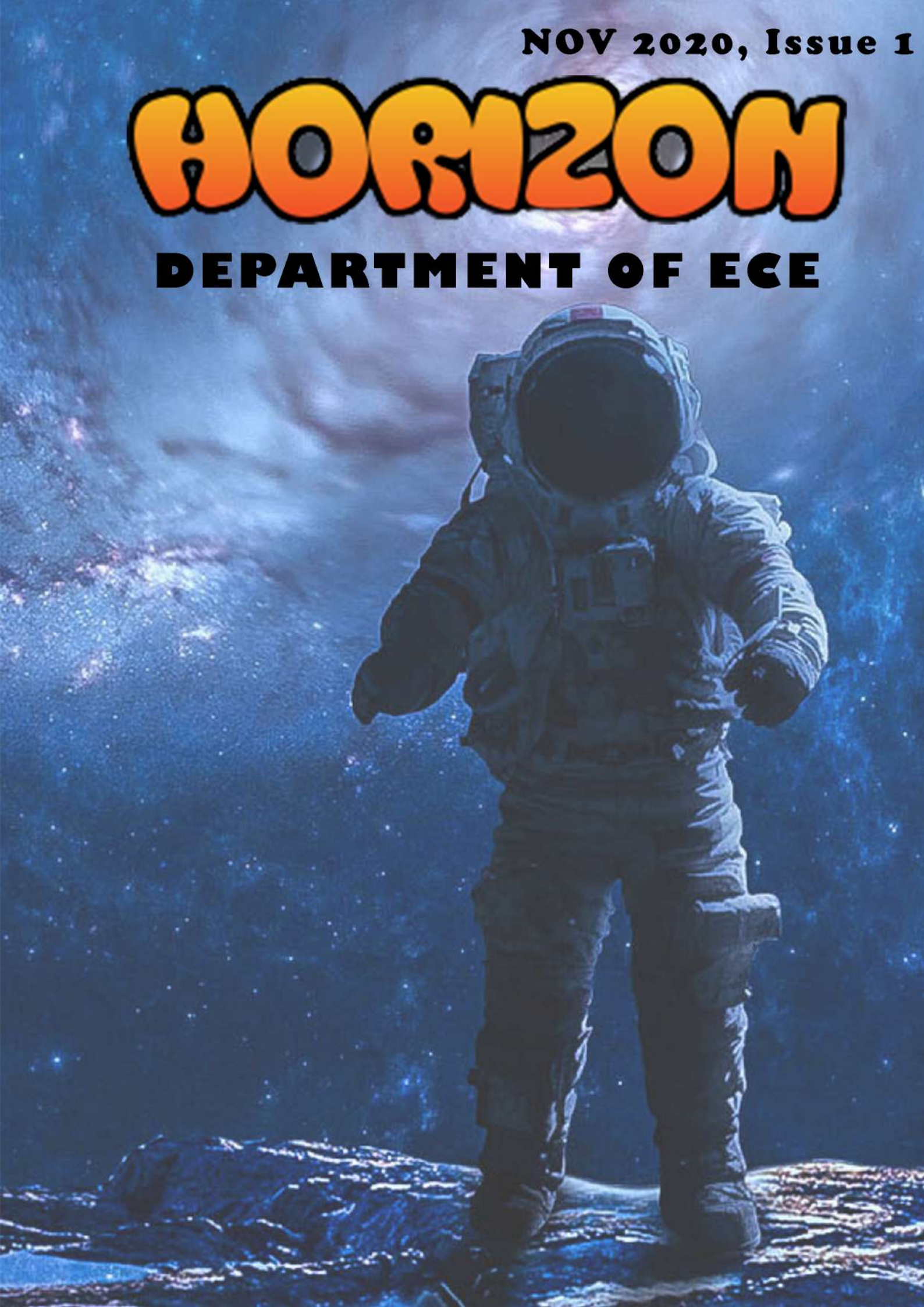
NOV 2020, Issue 1

HORIZON

DEPARTMENT OF ECE



Dr. T. K. Rama Krishna Rao
PRINCIPAL

Principal's Message

The significant problems we face cannot be solved at the same level of thinking we were at when we created them." - Albert Einstein. It is only through knowledge that man attains immortality. Knowledge has to expand or grow to remain knowledge. The road to excellence is toughest, roughest and steepest in the Universe. The world requires and honors only excellence. Available information has to be directed by wisdom and intelligence to create new knowledge. Promotion of creativity is the new role of education. It is only through creative thinking that the present and future problems can be addressed to find dynamic solutions. Technology should be used to help remove poverty from the world. In fact 40% of the world's poor are in India. Confidence leads to capacity. It is faith in oneself that produces miracles. Education at ACET helps build Character, Strengthen the mind, expand the intellect and establish a culture of looking at problems in a new perspective. The student is put through rigorous training so that he can stand on his own feet after leaving the portals of the Institute.

Vision

-->To emerge as a centre of excellence in education and Research

Mission

-->To establish skill and learning centric infrastructure in thrust areas

-->To develop Robotics and IOT based infrastructure Laboratories

-->To organize events through industry institute collaborations and promote innovation

-->To disseminate knowledge through quality teaching learning process.

Dr. R V V KRISHNA
HOD ECE

ECE department was established in the year 2004 with an intake of 60 students and now it has been expanded with an intake of 240 students. ECE plays a vital role in Technology Revolution. Our main aim is to generate new knowledge by engaging in cutting-in research to promote academic growth and to develop human potential to its fullest extent so that intellectually capable & imaginatively gifted leaders can emerge in a range of professions. We have Modern state of the art and well furnished labs like Microwave and Optical Communication Lab, Electronic Devices and Circuits lab, Modern Communication Lab, Research lab etc with excellent laboratory facilities and dedicated faculty.

STUDENT & FACULTY ARTICLES

Effects of Electronic Gadgets in Student Life

In the current world, we can see technology has been an integral part of our lives. Technology has drastically increased at a fast pace developing new gadgets frequently. From a young age to old age, we see everyone using electronic gadgets. It might be TVs, smartphones, laptops, tablets, and so on. The list goes long if we start listing out each gadget entered into the market. Technology has replaced a human life in various ways including studying. Here, in this article we have discussed the effects of Electronic Gadgets in student's life.

Time-saving

Studying and comprehension processes take less time with electronic gadgets. Students sit through a lot of lectures and then have a lot of homework to complete. It takes roughly 70 hours each week to complete all of the cognitive activities. Using gadgets can help you save a lot of time.

Developing language skills

Learning with technological devices is also a popular technique to improve writing skills. It is possible to understand the meaning of both native and foreign languages by mastering vocabulary and grammar. Furthermore, gadgets encourage the use of grammar correctors and proof readers.

Negative Effects of Gadgets to Students

If electronic gadgets are used in a limit, then it has fewer effects on humankind. There are advantages of gadgets as they have made our lives easier but they have disadvantages as well. We have listed out a few major effects of electronic gadgets used by students.

SHAIK GOUSIA (4G9)

The Impact of Artificial intelligence and Robotics on the Future Employment

The widespread human-robot interaction is increasing progressively as robots have made the life of everyone easy-going and comfortable. Artificial intelligence is a vast field that is also pushing its way in the domain of healthcare, business and quality assurance. Various researches disclose that the corporate sector is joining artificial intelligence to estimate the supply-demand concept and automate human resource systems.

The public sector is also developing different intelligent machines for security surveillance and malfunction detection of critical systems like nuclear reactors. Artificial intelligence and robotics are also phenomenal to implement the law and order enforcement without any danger. As artificial intelligence is growing, employment in this domain is also increasing due to the high demand of intelligent machines in each sector worldwide. Our primary focus is to delve into the relationship between humans and robots.

It is a well-recognized fact that Artificial Intelligence (AI) and robotics have been gaining a gigantic collaboration around the globe for several kinds of purposes. The escalating demand and prominence of the robotic have made life extremely easy. Robots are bringing about productivity while at the same time lessening the employment opportunities. Robots have already taken over all the blue-collar jobs. Now robots have started to enter white-collar jobs as well. As a result, jobs in all areas will be at stake. Robots, artificial friends, can perform low paid hard

K PARVATEESAM

FACULTY ACHIEVEMENTS

PATENT PENDING

Dr. B V VIJAYASRI
ASSOCIATE PROF

1) A Novel Autonomic Architecture to Assure Security in Cloud Environments

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Dr. T S KARTHIK
PROFESSOR

1) Development of Iot Based Underground Wire Fault Detection System

2) Design and Analysis Of Self-Protection Framework System Integrate With Fog Computing and IOT

PATENT PENDING

Dr. B V VIJAYASRI
ASSOCIATE PROF

1) IOT Based Biometric System and Method for Automotive Applications

2) Method And Monitoring Driver Alertnes Using IOT

Dr. T S KARTHIK
PROFESSOR

1) Method And System for Monitoring Usage of a User- Device by a User

2) Design And Development of Soil Inspection Robot for Agricultural Fields.

PUBLICATIONS

1. A. Arun Kumar Gudivada," Novel optimized tree-based stack-type architecture for 2n-bit comparator at nanoscale with energy dissipation analysis", The Journal of Supercomputing, Vol 77, Oct 2020, ISSN 1573-0484,https://link.springer.com/article/10.1007/s11227-020-03453-1

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11. A. Arun Kumar Gudivada," Review on Quantum-dot Cellular automata full adders", Journal of study of Research, Vol 12, Nov, 2020,ISSB 1781-7838

12. Dr R.V.V. Krishna," NSCT and eigen features based image fusion", Solid state technology, December 2020, ISSN 0038 -111X , https://solidstatetechnology.us/index.php/JSST/article/view/5907

13. Dr D Kishore, "Content-Based Image Retrieval System Based on Fusion of Wavelet Transform, Texture and Shape Features". Mathematical Modelling of Engineering Problems, Vol 8, Feb 2021, ISSN 2369-0739, https://doi.org/10.18280/mmep.080114

14. R. Anil Kumar, "Performance analysis of an efficient linear constellation precoded generalized frequency division multiplexing with index modulation in 5G heterogeneous wireless network", International Journal of Communication Systems, Vol 34, Mar 2021, ISSN 1074-5351, https://doi.org/10.1002/DAC.4732

15. Rama Vasantha Adiraju, "An extensive survey on finger and palm vein recognition system" Materials Today: Proceedings, Vol.45, Jan 2021, ISSN 2214 7853,https://doi.org/10.1016/j.matpr.2020.08.742

16. V. Preethi, "The Transmission of Narrowband and Wideband Data Communications via Low-Voltage Power Lines Optimization", Journal of Nuclear Energy Science & Power Generation Technology, Volume 10 / 2021, ISSN 2325-9809

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19. Dr. T.S. Karthik," Implementation of Wireless home-based Automation and Safety Arrangements Using Power Electronic Switches", Materials Today Proceedings, Online Jan, 2021, ISSN 2214-7853, doi.org/10.1016/j.matpr.2020.11.539

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STUDENT ACHIEVEMENTS

TOPPERS (2019 – 20)

IV B.TECH - II SEM

K. RAMA DEVI
16P31A0485
SGPA 9.25

N. KEERTHIKA
16P31A04L4
SGPA 9.25

SUSHMITA PRIYA
16P31A04H2
SGPA 9.13

K. SAI NIHARIKA
16P31A04M4
SGPA 9.13

CONGRATULATIONS

17P31A0481

17P31A04F1

17P31A04I2

Multiplier
AI Powered Healthcare Marketing

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17P31A04J8

17P31A04J4

Krify®

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Phable

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17P31A0413

17P31A0422

17P31A0457

17P31A04M3

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18P35A0409

17P31A04M3

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21

Infosys
Navigate your next

9

DXC TECHNOLOGY

40

Mindtree

12

Capgemini

14

HEXAWARE

2

BEST OF THE YEAR

aws

19 LPA

aws

19 LPA

WILEY
mthree

11 LPA

JUSPAY

11 LPA

BEST OF THE YEAR

TCS TATA CONSULTANCY SERVICES
Mindtree
Capgemini
Infosys Navigate your next

Infosys Navigate your next
DXC TECHNOLOGY
JUSPAY
TCS TATA CONSULTANCY SERVICES
Tech Mahindra

accenture
DXC TECHNOLOGY
Cognizant
TCS TATA CONSULTANCY SERVICES
wipro

DXC TECHNOLOGY
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wipro
HEXAWARE
Tech Mahindra

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DXC TECHNOLOGY

Cognizant

Infosys Navigate your next

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ZEAL FOUNDATION

REGD NO: 175/2020

Spreading happiness

HISTORY:

ZEAL FOUNDATION IS A FOUNDATION WAS STARTED TO SPREADHAPPINESS AND TO HELP NEEDY PEOPLE IN INDIAN SOCIETY.IT WAS ESTABLISHED IN THE YEAR 2020 ON MARCH 19TH IN THE KAKINADA ,ANDHRA PRADESH

OUR VISION

ZEAL FOUNDATION MUST KNOWN BY EVERYONE AND TO DO LOTS OF SERVICE TO THE PEOPLE (MAINLY POOR) WHO CAN'T MAKE THEIR LIFE GOING.AND BY ZEALFO -UNDATION WE WILL ALSO PROVIDE FREE EDUCATION.AND ALSO TAKING ORPHAN AND FEEDING THEM SPREADING HAPPINESS TO THE POOR IS OUR MAIN GOAL.

OUR MISSION

TO ACHIEVE OUR GOALS AND VISION WE ARE WORKING AND BY THINKING.THE PROBLEMS OF POOR WE ARE CONDUCTING SERVICE ORIENTED PROGRAMS & FUND COLLECTING PROGRAMS AND FEEDING THE POOR.

MOHAMMAD JANI
PRESIDENT

DURGA SATISH REDDY
VICE PRESIDENT

MANI GOWTHAM
SECRETARY

OUR ACTIVITIES

OVER 700+ VOLUNTEERS

10+ BRANCHES

IN ANDHRA PRADESH

SERVICES WE OFFER

- ☞ CHILD EDUCATON
- ☞ BLOOD DONATIONS
- ☞ HEALTH CARE
- ☞ FOOD DRIVE
- ☞ AWARENESS CAMPS
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