

# Newsletter

We Communicate Our Vision!

## SIGNALS



Newsletter

### HALF - YEARLY NEWS LETTER

**VOLUME: 22**

**JAN: 2023**

**Electronics & Communication  
Engineering**



**PRASAD V POTLURI  
SIDDHARTHA  
INSTITUTE OF TECHNOLOGY**

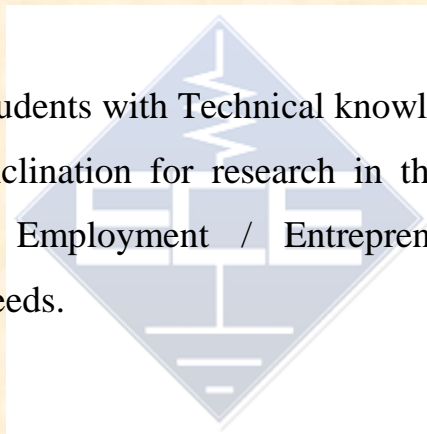
# **Prasad V. Potluri Siddhartha Institute of Technology**

## **Vision**

To provide rich ambience for Academic and Professional Excellence, Research, Employability skills, Entrepreneurship and Social responsibility.

## **Mission**

To empower the students with Technical knowledge, Awareness of up-to-date technical trends, Inclination for research in the areas of human needs, Capacity building for Employment / Entrepreneurship, Application of technology for societal needs.





## Department of Electronics and Communication Engineering

### Vision

To evolve as a center of excellence by adopting innovative methods for teaching, learning and research in the diversified fields of Electronics and Communications.

### Mission

To empower the students with technical knowledge in Electronics and Communications for pursuing higher education, for becoming entrepreneur / employees of prominent companies and also motivating them towards research to meet the societal needs.



### Program Educational Objectives

<b>PEO-I</b>	Capable of applying the knowledge of basic sciences and engineering to understand the new concepts of Electronics and Communication Engineering
<b>PEO-II</b>	Able to demonstrate technical competence for the design and development of innovative electronic and communication systems.
<b>PEO-III</b>	Able to work in a team for the fulfillment of leadership role in a company/organization
<b>PEO-IV</b>	Able to demonstrate passion for life-long learning through interdisciplinary research works or projects to cater societal needs.

## Program Objectives

<b>PO-1</b>	<b>Engineering knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
<b>PO-2</b>	<b>Problem analysis:</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
<b>PO-3</b>	<b>Design/development of solutions:</b> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
<b>PO-4</b>	<b>Conduct investigations of complex problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
<b>PO-5</b>	<b>Modern tool usage:</b> Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
<b>PO-6</b>	<b>The engineer and society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
<b>PO-7</b>	<b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
<b>PO-8</b>	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and

	responsibilities and norms of the engineering practice.
<b>PO-9</b>	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
<b>PO-10</b>	<b>Communication:</b> Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
<b>PO-11</b>	<b>Project management and finance:</b> Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
<b>PO-12</b>	<b>Life-long learning:</b> Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

#### Program Specific Outcomes

<b>PSO-1</b>	Demonstrate competency in analysis, design and simulation of complex electronic and communication systems.
<b>PSO-2</b>	Develop smart systems to meet the societal needs.



## EDITORIAL BOARD

1. Dr C.Subba Rao  
Professor & Head
2. Dr. K. Ramanjaneyulu  
Professor
3. Mrs. K.Anitha  
Associate Professor
4. Mrs. D.Hareesha,  
Assistant Professor
5. Dr. V.S.D.Rekha,  
Assistant Professor
6. Ms. D.Jahnavi  
(20501A0428) III B.Tech
7. Mr. R.Santosh Kumar  
(20501A0495) III B.Tech
8. Ms. K. Kavyasri  
(21501A0455) II B.Tech
9. Ms. P. Durga Anupama  
(21501A0499) II B.Tech

## Inside:

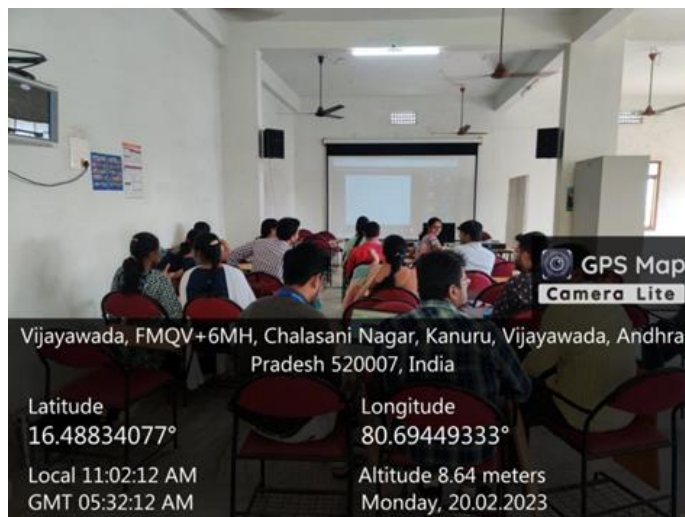
- ✓ Workshops/Seminars/Guest Lectures/ Training Programs/Symposiums/Quiz organized
- ✓ Papers presented in Seminars/ Conferences/Symposiums by the faculty
- ✓ Workshops/Seminars/STTP/Conference/Faculty Development Programs attended by the faculty
- ✓ Publications by the faculty
- ✓ Faculty Achievements
- ✓ Students achievements
- ✓ Industrial Visits
- ✓ Higher Education
- ✓ MOUs Signed
- ✓ Students Contribution



## 1. Workshops/Seminars/Guest Lectures/Training Programs/Symposiums/

The department of Electronics and Communications Engineering organized ---

- i. A five-day online AICTE Recognized Faculty Development Programme on **Antenna and Wireless Technologies** in association with NITTTR, Chandigarh during 20<sup>th</sup> - 24<sup>th</sup> February 2023.



- ii. An alumni guest lecture on **Gap between Industry and Academics** for III ECE students on 25<sup>th</sup> March 2023.

Resource Persons:

Mr. P.Satvik Bhargav, Analog Design Engineer, Analog Port, Bangalore

Mr. P.Venkat, Analog Design Engineer, Analog Port, Bangalore

PVPSIT Alumni (ECE 2017-2021 Batch)



- iii. **Quality initiative programs** for the benefit of students to enhance their skills with respect to presentation, communication skills, understanding current scenarios and expressing their views, every semester II, III & IV B.Tech. students actively participate in this activity. The following are the details of the events.

Sl. No.	Name of the Event	No. of Students	Date
1.	Language Enhancement – Narration	108 (III B.Tech)	21.03.2023
2.	Career Building and future planning	89 (II B.Tech)	29.03.2023
3.	Perception Presentation Role of Indian education system in job perspective and its challenges	84	27.03.2023





- iv. A five-day online Faculty Development Programme on **Recent Trends in Wireless Communication** in association with National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh (Sponsored by Ministry of Education, Government of India) during 24<sup>th</sup> – 28<sup>th</sup> April, 2023.



- v. **Poster Presentation** for IV B.Tech students to present their Project Phase - 2 under ISF on 28<sup>th</sup> April, 2023.

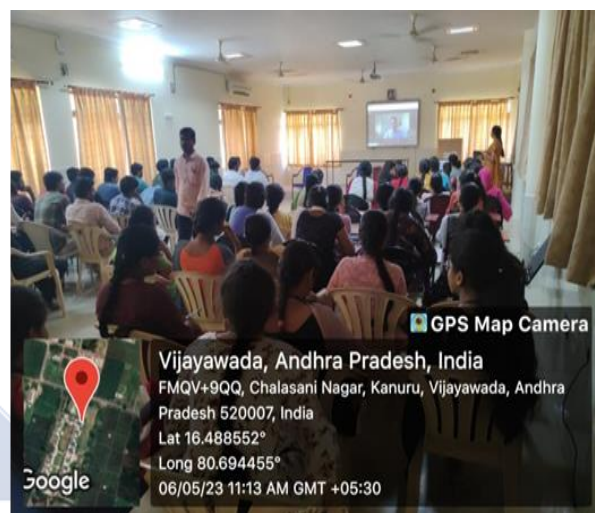


- vi. A 5 day training programme on **LabVIEW - Graphical programming for Engineering Solutions** for III B.Tech students during 1<sup>st</sup> – 5<sup>th</sup> May, 2023.

Resource person: Dr. A. Geetha Devi, Assoc.prof.

- vii. Online alumni guest lecture on **Opportunities in Automotive Domain-Model based Design** for II B.Tech students on 6<sup>th</sup> May, 2023.

Resource Person: Mr. Surendra Boppudi, Senior Engineer,  
Tata Elxsi Pvt. Ltd., PVPSIT Alumni (ECE 2013-2017 Batch)



- viii. A guest lecture on **Empowering the Least Developed Countries through Information & Communication Technologies** on the occasion of **World Telecommunication & Information Society Day 2023** for III B.Tech Students on 17<sup>th</sup> May, 2023.

Resource Person: Mr.P. Kalee Prasad, Asst. Director Engg. Doordarshan Kendra, Vijayawada





- ix. A Two - Day Workshop on **Development of IoT System for Targeted Applications using ARM** in association with Physitech Electronics, Hyderabad on 21<sup>st</sup> & 22<sup>nd</sup> June, 2023. Faculty & Technicians of different Departments participated in the workshop.  
Resource Person: Mr. G. Aashay Reddy, Physitech Electronics, Hyderabad.

## 2. Papers presented in Seminars/Conferences/Symposiums by the faculty:

- i. Mrs. Ch. Sri Lakshmi presented a paper entitled **An intelligent sensing and detection system for accident preventions in four wheeler vehicles** - Materials Today: Proceedings on 5<sup>th</sup> January, 2023. (Scopus)
- ii. Ms T. Sushma presented a paper entitled **Enhancement of Energy Efficiency and Network Lifetime Using Modified Cluster Based Routing in Wireless Sensor Networks** – 2023 IEEE International Conference on Intelligent Systems for Communication, IoT and Security (ICISCOIS 2023), organized by PSG College of Technology, during 9<sup>th</sup> – 11<sup>th</sup> February 2023. (Scopus)
- iii. Dr. V.S.D Rekha, Dr. T. Haritha presented a paper entitled **Employing industry 4.0 to supervise soil supplements and estimate its content** – 7<sup>th</sup> International Conference on computing Methodologies and Communication, ICCMC 2022-2023, organized by Surya Engineering College, Erode India- , during 23<sup>rd</sup> – 25<sup>th</sup> February, 2023. (Scopus)
- iv. Dr. Ch Gangadhar presented a paper entitled **Ultra-Low-Power IoT applications based on Real-Time Machine Vision and Image Analysis** - 2023 International Conference on Innovative Data Communication Technologies and Application (ICIDCA), Uttarakhand during 14<sup>th</sup> – 16<sup>th</sup> March, 2023.
- v. Dr.V.S.D Rekha, presented a paper entitled **Healthcare Monitoring Wearable Microstrip Patch Antenna for Elder People with Acceptable SAR** - 2<sup>nd</sup> International Conference on Electrical Electronics Information and Communication Technologies ICEEICT, organized by K Ramakrishnan College of Engineering Trichy, Tamilnadu, India during 5<sup>th</sup> – 7<sup>th</sup> April, 2023. (Scopus)
- vi. Dr.P. Venu Madhav presented a paper entitled **Design and Implementation of Smart Housing System for Elderly Persons** - International Conference on Recent Advances in



Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence (RAEEUCCI) organized by Dept. of ECE, SRM University, Madras during 19<sup>th</sup> – 21<sup>st</sup> April, 2023. (Scopus)

### Others:

- i. Dr.B.Surya Prasada Rao presented a paper entitled **Towards Human-Like Robotic Grasping for Industrial Applications Using Computer Vision** – International Conference on Intelligent Sustainable Systems 2023 organized by Intelligent Sustainable Systems, Lecture Notes in Networks and Systems 665 during 2<sup>nd</sup> – 3<sup>rd</sup> February, 2023.
- ii. Dr.P. Venu Madhav presented a paper entitled **A Novel PCB prototype for smart garden** – International conference on recent advances in mechanical and industrial engineering-2023, ISBN No: 97893556609090, organized by Dept. of Mechanical Engineering, PVPSIT, during 23<sup>rd</sup> – 24<sup>th</sup> March 2023.
- iii. Dr.P. Venu Madhav presented a paper entitled **Collaborative learning robots** – International conference on recent advances in mechanical and industrial engineering-2023, ISBN No: 97893556609090, organized by Dept. of Mechanical Engineering, PVPSIT, during 24<sup>th</sup> – 25<sup>th</sup> March 2023.
- iv. Mrs.B.Swati Lakshmi, Dr.C. Subbarao, Mrs.L.Madhavi Devi presented a paper entitled **Micro Controller Based Digital Emergency Caution Order System - 8<sup>th</sup> international conference on Communication and Electronic Systems** organized by PPG Institute of Technology, Coimbatore, India during 1<sup>st</sup> – 3<sup>rd</sup> June, 2023.

### 3. Workshops/ Seminars/STTP/Conferences/Faculty Development Programmes/ Awareness programmes attended by the faculty:

#### a) Seminars/Webinars:

- i. Dr. T. Haritha, participated in a seminar on **Introduction to Wireless Communications and Networks** organised by IEEE-IISc MTT/AP-S Student branch chapter on 21<sup>st</sup> January, 2023.
- ii. Dr.Haji Habibulla MD, participated in a seminar on **The journey of Digital Transformation in the IoT era** by Elsevier, Bright Talk on 23<sup>rd</sup> January, 2023.

- iii. Dr.Haji Habibulla MD, participated in a seminar on **Learn by Doing using Ansys 2023 R1 Mechanical & CFD** organised by ANSYS, ARK Solutions Pvt Ltd on 23<sup>rd</sup> March, 2023.

**b) Workshops:**

- i. Dr.K.Ramanjaneyulu, Mrs.K. Anitha, Mrs. K.Aruna Kumari, Dr. B. Samuyelu, Mrs. D. Hareesha, Mrs. B. V. Subbayamma, Mrs.B.Swati Lakshmi participated in a workshop on **Development of IoT System for Targeted Applications using ARM** organized by Department of ECE, PVPSIT on 21<sup>st</sup> & 22<sup>nd</sup> June, 2023.
- ii. Dr.V.S.D.Rekha, participated in a national level one week workshop on **Recent Trends in Data Science for Engineering** organized by department of Information Technology, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad during 26<sup>th</sup> - 30<sup>th</sup> June, 2023.

**c) Guest Lectures Attended:**



- i. Dr. V. S.D.Rekha participated in a Guest Lecture on **IP Awareness/Training program** organised by Department for promotion of Industry and Internal Trade Marks Delhi, National Intellectual Property Awareness Mission (NIPAM) on 11<sup>th</sup> January, 2023.
- ii. Dr. V. S.D.Rekha participated in a Guest Lecture on **Distributed Phased Arrays: Challenges and Recent Progress** organised by IEEE MTT-S Government Engineering College Barton Hill on 27<sup>th</sup> January, 2023.
- iii. Dr.Haji Habibulla MD participated in a Guest Lecture on **Demystifying Cloud, Containers & Automation** organised by Botho University, Botswana on 10<sup>th</sup> March, 2023.

**d) Faculty Development Programmes:**

- i. Dr. C. Subba Rao participated in Faculty Development Programme on **Outcome Based Education (OBE)** organized by SES College in association with KSHEC during 18<sup>th</sup> – 25<sup>th</sup> January, 2023.
- ii. Dr.K.Ramanjaneyulu, Mr.M.Srinivasa Rao, Mrs.K.Anitha, Ms.T.Sushma, Mrs.D. Swathi participated in Faculty Development Programme on **Thesis and Research Paper Writing** organized by PVPSIT during 30<sup>th</sup> January – 3<sup>rd</sup> February, 2023.

- iii. Mrs. K.Aruna Kumari, Mrs. B.V.Subbayamma participated in Faculty Development Programme on Advance Technical trends of **Wireless Communication and Instrumentation using NILabVIEW** organized by Pottisriramulu Chadalavada Mallikarjuna Rao College of Engg. & Tech. on 8<sup>th</sup> & 9<sup>th</sup> February, 2023.
- iv. Dr. B.Surya Prasada Rao, Mrs.B.V.Subbayamma, Mr.K.Phani Rama Krishna, Dr. V. S.D.Rekha, Mrs.D.Swathi participated in Faculty Development Programme on **Universal Human Values-II** organized by AICTE during 13<sup>th</sup> - 18<sup>th</sup> February, 2023.
- v. Dr.T.Haritha, Mrs.K.Anitha Ms.T.Sushma, Mrs.D.Swathi participated in Faculty Development Programme on **Yoga in Daily Life** organized by PVPSIT during 13<sup>th</sup> - 17<sup>th</sup> February, 2023.
- vi. Dr.K.Ramanjaneyulu, Dr. T. Haritha, Mr. M. Srinivasa Rao, Dr. B. Surya Prasada Rao, Mrs. K. Aruna Kumari, Dr. B. Samuyelu, Dr.Haji Habibulla MD, Ms T. Sushma, Mrs. B. V. Subbayamma, Ms. B. Swathi Lakshmi, Mr. K.Phani Rama Krishna, Dr. P. Venu Madhav, Ms. L. Madhavi Devi, Dr. V. S.D.Rekha, Ms. D.Praveena Bai, Ms. T. Maha Lakshmi participated in Faculty Development Programme on **Antennas and Wireless Technologies** organized by PVPSIT in association with NITTTR Chandigarh during 20<sup>th</sup> - 24<sup>th</sup> February, 2023.
- vii. Mrs.K.Anitha, Ms.T.Sushma participated in Faculty Development Programme on **Applications of Computer Vision using Deep Learning** organized by Gudlavalleru Engineering College during 20<sup>th</sup> - 25<sup>th</sup> February, 2023.
- viii. Dr. K. Ramanjaneyulu, participated in Faculty Development Programme on **Effective Teaching Learning Methodology for the Pluralistic Classroom** organized by PVPSIT on 25<sup>th</sup> February, 2023.
- ix. Dr. V. S.D.Rekha participated in Faculty Development Programme on **Design of High-frequency Antennas for Real-time Applications (DHARA-2023)** organized by Department of ECE of GMR Institute of Technology during 14<sup>th</sup> - 18<sup>th</sup> March, 2023.



- x. Mrs. Ch.Sri Lakshmi participated in Faculty Development Programme on **Research Development & Fund Grant** organized by Department of Information Technology, PVPSIT on 20<sup>th</sup> March, 2023.
- xi. Dr.K.Ramanjaneyulu, Dr. T. Haritha, Mr. M. Srinivasa Rao, Mrs. K. Aruna Kumari, Dr. B. Samuyelu, Mr. T. Balaji, Ms T. Sushma, Mrs. B. V. Subbayamma, Ms. B. Swathi Lakshmi, Mr. K.Phani Rama Krishna, Mrs. L. Madhavi Devi, Mrs. D.Praveena Bai, Mrs. T. Maha Lakshmi participated in Faculty Development Programme on **Recent Trends in Wireless Communication** organized by NITTTR CHANDIGARH in association with Dept. of ECE, PVPSIT during 24<sup>th</sup> - 28<sup>th</sup> April' 2023.
- xii. Mrs. B. Swathi Lakshmi, Mrs. L. Madhavi Devi participated in Faculty Development Programme on **Outcome Based Education** organized by Nirmala College, Muvattupuzha in association with The Kerala State Higher Education council, Kerala during 10<sup>th</sup> - 17<sup>th</sup> May, 2023.

#### 4. Publications by the faculty (National/International Journals/ Conferences):

##### a) Scopus indexed journals:

- i. Dr. P. Venu Madhav published a paper entitled **Hybrid Autonomous Vehicle (Aerial and Grounded)** - International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169; Vol:11; Issue: 1; Page No: 103-109, January -2023. (Scopus)
- ii. Dr. A.Geetha Devi, Dr.B.Surya Prasada Rao, Dr.T.Haritha published a paper entitled **An Improved CHI2 Feature Selection Based a Two-Stage Prediction of Comorbid Cancer Patient Survivability** - Revue d Intelligence Artificielle, ISSN: 0992-499X; Vol:37; Issue:1; Page No: 83-92, February – 2023. (Scopus)
- iii. Mrs.K.Anitha published a paper entitled **Adaptation issues of machine learning in safety digitization** - Indonesian Journal of Electrical Engineering and Computer Science, ISSN: 2502-4752; Vol:29; Issue:3; Page No: 1802 – 1808, March – 2023. (Scopus)

- iv. Dr. K. Ramanjaneyulu published a paper entitled **A Novel Technique for Image Retrieval based on Concatenated Features Extracted from Big Dataset Pre-Trained CNNs** - International Journal of Image, Graphics and Signal Processing, ISSN: 2074-9082; Vol:15; Issue:2; Page No:1-12, April – 2023. (Scopus)
- v. Dr. B. Surya Prasada Rao published a paper entitled **Unhealthy Plant Region Detection in Plant Leaves Using Adaptive Genetic Algorithms** - Journal of Theoretical and Applied Information Technology, ISSN: 1817-3195; Vol:101; Issue:8; Page No: 3133-3137, April – 2023. (Scopus)
- vi. Mrs. D.Praveena Bai published a paper entitled **Design of low voltage high output resistance current mirror** - International Journal of Experimental Research and Review(IJERR), ISSN: 2455-4855; Vol:30; Issue:; Page No: 2455-4855, April– 2023. (Scopus)
- vii. Dr.Ch.Gangadhar published a paper entitled **E-commerce customer churn prevention using machine learning-based business intelligence strategy** - Measurement: Sensors, ISSN: 2665-9174; Vol:27; June – 2023. (Scopus)
- viii. Dr.Ch.Gangadhar published a paper entitled **Analysis of optimization algorithms for stability and convergence for natural language processing using deep learning algorithms** - Measurement: Sensors, ISSN: 2665-9174; Vol:27; June– 2023. (Scopus)

**b) SCI/SCIE/ESCI indexed journals:**

- i. Dr. A.Geetha Devi published a paper entitled **Lung cancer histopathological image classification using wavelets and Alex Net** - Journal of X-ray Science and Technology, ISSN: 1095-9114; Vol:31; Issue:1; Page No:211-221, Jan -2023. (SCI)
- ii. Mrs. B. V. Subbayamma published a paper entitled **Comparative analysis of new meta-heuristic-variants for privacy preservation in wireless mobile adhoc networks for IoT applications** - Computer Communications, ISSN: 0140-3664; Vol:198; Page No: 262-281, Jan – 2023. (SCI)
- iii. Dr. B. Samuyelu published a paper entitled **Smart City IoT System Network Level Routing Analysis and Blockchain Security Based Implementation** - Journal of Electrical

Engineering & Technology, ISSN: 1975-0102; Vol:18; Issue:2; Page No: 1351 – 1368, March – 2023. (SCI)

- iv. Dr. A.Geetha Devi published a paper entitled **Content-Based Image Recovery System with the Aid of Median Binary Design Pattern** - Traitement du Signa, ISSN: 1958-5608; Vol:40; Issue:2; Page No: 667-674, April – 2023. (SCI)

**c) UGC/ Other journals:**

- i. Mrs.D.Swathi published a paper titled **Design and Analysis of Metamaterial A Split Ring Resonator for dual Band Applications** - International Journal on Recent and Innovation Trends in Computing and Communication, ISSN:2321-8169; Vol.: 11; Issue: 1; January - 2023.
- ii. Mrs.D.Swathi, Dr.T.Mahalakshmi published a paper titled **Evaluation of Brain Tumour classification technics on Identification of EEG in medical Images** - ARPN Journal of Engineering and Applied Sciences. ISSN: 1819-6608; Vol.:18; Issue:4 ; Page No:, February - 2023.
- iii. Dr.V.S.D.Rekha published a paper titled **Internet of Things for Effort Estimation and Controlling The State of An Electric Vehicle in A Cyber Attack Environment** - Journal of Theoretical and Applied Information Technology, ISSN: 1992-8645; Vol.: 101; Issue: 10; Page No:4033-4040, May -2023.
- iv. Dr.Thotakura Haritha published a paper titled **Empirical Investigations to a Neighboring Ideal Multicast Scheme for Mobile AD-HOC Networks** - Journal of Theoretical and Applied Information Technology; ISSN: 1992-8645; Vol.: 101; Issue: 10; Page No:3966-3974, May - 2023.
- v. Dr.V.S.D.Rekha published a paper titled **New Services and Applications Can Leverage The Power of Low Reliable And Latency Communication For Mission Critical Distributed Industrial Internet of Things** - Journal of Theoretical and Applied Information Technology; ISSN: 1992-8645; Vol.: 101; Issue: 12; Page No:5023-5036, June 2023.



## 5. Faculty Achievements (Patents, Higher Qualification awarded, guest lectures given, awards and rewards, acted as a Resource person etc.):

### a) Patents:

- i. Mrs.Swati Lakshmi Boppana, Dr. Subbarao Chalasani, Mrs.Lanka Madhavi Devi filed a patent – **Oxygen Level Indicator in Oxygen Cylinder** with the application no: 377199-001 on 11-01-2023. (**Granting Organization:** The Patent Office Kolkata).
- ii. Mrs.L.Madhavi Devi, Dr.C.Subba rao, Mrs.B.Swati lakshmi published a patent and– **Smart Lid of A Mixer Grinder** with the application no: 359277-001 was granted on 15-02-2023. (**Granting Organization:** Intellectual Property India).
- iii. Dr.C.Subba Rao, Mrs.L.Madhavi Devi, Mrs.B.Swati Lakshmi, Ms.T.Sushma published a patent - **Wideband Metal Ring Terminated Biconical Antenna** with the application no: 127341, was granted on 20.01.2023.  
(**Granting Organization:** The Patent Office -Government of India).
- iv. Ms.T.Sushma, Mrs.L.Madhavi Devi, Mrs.K.Anitha, Dr.C.Subba Rao published a patent - **Bank Locker Security Using Embedded System** with the application No:202341035664 on 16.06.2023.  
(**Granting Organization:** The Patent Office -Government of India).

### b) Ph.D.'s awarded/Guided:

- i. Mrs T. Maha Lashmi awarded Doctor of Philosophy (Ph.D.) on 22<sup>nd</sup> February 2023 from GITAM Deemed to be University and her research topic is **A Robust and Reliable High Throughput Image Denoising Using A Fuzzy Filter with Genetic Algorithm and Optimization Based Kernel Interpolation**.

### c) Reviewers of journals:

- i. Dr.V.S.D. Rekha has served as **Session Chair** in 2<sup>nd</sup> IEEE International Conference for Advancement in Technology (ICONAT), organized by Rajaram Bapu Institute of Technology (RIT), Sangli, Maharashtra during 24<sup>th</sup> & 26<sup>th</sup> January, 2023.

- ii. Dr. Dr.C.Subba Rao has served as **Session Chair** for a technical session on Intelligent Data Analytics and Computing in IEEE International Conference on Contemporary Computing and Communications (InC4) organised by the Department of Computer Science and Engineering, CHRIST (Deemed to be University), Kengeri Campus, Bangalore -560 074 during 21<sup>st</sup> -22<sup>nd</sup> April, 2023.
- iii. Dr.V.S.D.Rekha has served as a **Reviewer** for the 2023 IEEE International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT), organized by the National Institute of Technology(NIT) Puducherry, Karaikal, during 25<sup>th</sup> –26<sup>th</sup> May, 2023.
- iv. Dr. Dr.C.Subba Rao has served as a **Reviewer** at the Fourth International Conference on Communication, Circuits, and Systems held at Kalinga Institute of Industrial Technology (Deemed to be University), Bhubaneswar, India during 26<sup>th</sup> -28<sup>th</sup> May, 2023.
- v. Dr.V.S.D.Rekha has served as the **Reviewer** for Radio Science Scopus indexed journal, April-May 2023.

#### d) Others:

- i. Dr.K.Ramanjaneyulu acted as evaluator for **Pharma Women's League-2023** Zonal Round Competition Teaching- at KVSRR Siddhartha College of Pharmaceutical Sciences organized by APTI- AP State Women's Forum Learning on 22<sup>nd</sup> February, 2023.
- ii. Mrs.V.Ratna Kumari, Mrs D.Hareesha attended Industrial training program on KEIL & ARM Processor offered by **Efftronics Systems Pvt. Ltd.**, Mangalagiri from 23<sup>rd</sup> January 2023 to 27<sup>th</sup> April, 2023.
- iii. Dr. Haji Habibulla MD acted as a judge for the event **Power Point Presentation** which is a part of National level academic competitions in electronics **TECHNOESIS-2023** at Andhra Loyola College, Vijayawada held on 30<sup>th</sup> January, 2023.
- iv. Mr.K.Phani Rama Krishna acted as a judge for the event **Electronics Project Expo** which is a part of National level academic competitions in electronics **TECHNOESIS-2023** at Andhra Loyola College, Vijayawada held on 30<sup>th</sup> January, 2023.

**e) MOOCs/COURESERA courses completed by the faculty:**

- i. NPTEL online certification course was conducted by IIT from Jan-April 2023. Exam was conducted in the period March - April 2023. Following are the details of certified faculty.

Sl.No.	Name of the Faculty	Course Name	Final Score	Certificate Type
1	T.Sushma	Outcome Based	60%	Elite
2	K.Aruna Kumari	Pedagogic Principles for Effective Teaching	57%	Successfully completed
3	Dr.B.Samuyelu		56%	Successfully completed
4	D.Praveena Bai		52%	Successfully completed
5	V.S.D Rekha	Introduction to Internet of Things	79%	Elite
6	B.Subbyamma		81%	Elite+ Silver
7	D.Hareesha		84%	Elite+ Silver

- ii. Following faculty received course completion certificates for online courses through Infosys spring board offered by Infosys.

Sl.No.	Faculty Name	Course Name	Course Completion Date
1	Mr. K.Phani Rama	Introduction to Internet of Things	28.02.2023
2	T.Sushma	Time management	28.06.2023
3	B.Swati Lakshmi		
4	L.Madhavi Devi		
5	D.Hareesha	Introduction to Deep Learning	27.03.2023
		Deep Learning with R	08.05.2023
6	B.V.Subbayamma	5 <sup>th</sup> Generation Mobile Networks: 5G	29.03.2023
		Basics of Python	07.04.2023
		Introduction to Machine Learning	28.06.2023

- iii. Following faculty received course completion certificates through Microsoft Certification Programme offered by Microsoft.

S. No	Faculty Name	Course Name	Course
1	V.S.D.Rekha	Azure Security Engineer Associate	28.04.2023
2	P. Venu Madhav	Azure Security Engineer Associate	29.04.2023
3	A.Ashok Babu	Azure Security Engineer Associate	29.04.2023
4	D.Swathi	Azure Security Engineer Associate	28.04.2023



- iv. Dr. Ramanjaneyulu Kongara Participated in the online course on **Applications of Machine learning in Urban Studies** conducted during 5<sup>th</sup> – 9<sup>th</sup> June, 2023 jointly organized by IIRS, Dehradun and ISRO.

## 6. Industrial Visits:

i.)

S. No.	Name of the organization	Place	Dates	No. of students visited	Staff Accompanied
1	Efftronics Pvt. Ltd.	Mangalagiri	24.02.2023	44 (III ECE)	Dr. Md. Habibullah Mr. K.P.R. Krishna
2	Efftronics Pvt. Ltd.	Mangalagiri	17.02.2023	45 (III ECE)	Dr. P. Venu Madhav Mrs. D. Praveen Bai Ms. M. Lahari Ratnanjali
3	Efftronics Pvt. Ltd.	Mangalagiri	10.02.2023	50 (III ECE)	Dr. J.Ravindra Babu Dr. B. Surya Prasada Rao Mr. T. Balaji



ii)

S. No.	Name of the organization	Place	Dates	No. of students visited	Staff Accompanied
1	Dr. Narla Tata Rao Thermal Power Station	Ibrahimapatnam	18.04.2023	67 (II ECE)	Dr. J. Ravindra Babu Dr. A. Geetha Devi
2	Dr. Narla Tata Rao Thermal Power Station	Ibrahimapatnam	19.04.2023	58 (II ECE)	Mr. K. P. Rama Krishna Mrs. B. V. Subbayamma



## 7. Students' achievements:

### a) Co-curricular Activities:

#### Certification Courses:

- 137 students of III B.Tech received course completion certificates for online course on **Programming with Arduino Uno and Raspberry Pi with Radar Sensors for IoT Applications** organized during 6<sup>th</sup> March - 7<sup>th</sup> April, 2023.
- 76 students of II B.Tech received course completion certificates for **Basics of Python** through **Infosys spring board** offered by Infosys.
- 41 students of III B.Tech received course completion certificates for **Python foundation** through **Infosys spring board** offered by Infosys.
- 82 students of III B.Tech completed the Certification Course in **JAVA** through **Spoken Tutorials** offered by IIT Bombay. No. of registered students 88.
- NPTEL online certification course was conducted by IIT from Jan-April 2023. Exam was conducted in the period March - April 2023. Following are the details of certified students.

Sl.No.	Regd. No.	Name of the student	Course Name	Final Score	Certificate Type
1	20501A04B7	Vanga Ganesh Sai Kartheek	Analog Circuits	64	Elite
2	21501A0424	Chathala Gurubabu	Programming, Data Structures And Algorithms Using Python	55	Successfully completed
3	21501A0408	Arigela sivaram		55	Successfully completed
4	21501A0445	Gunti Sairam Surya Pavan Karthik	Python for Data Science	60	Elite
5	22505A0412	Yalakala Jasmine	CMOS Digital VLSI Design	41	Successfully completed
6	21501A0428	Chlikalapudi Harish Sai	Python for Data Science	58	Successfully completed
7	20501A0491	Ramiseti Venkata Naga Sai		56	Successfully completed
8	20501A04C4	Venkata Sai Cherukuru		54	Successfully completed
9	20501A04B7	Vanga Ganesh Sai Kartheek	Evolution of Air Interface Towards 5G	67	Elite

10	20501A0404	Agolu Venkata Sai Kiran		52	Successfully completed
11	20501A04B6	Gogineni Vamsi Sai Krishna		72	Elite
12	20501A0495	Rompelli Santosh Kumar		69	Elite
13	20501A04A8	Thollikonda Esther Rani	Digital System Design	53	Successfully completed
14	20501A04C6	Yadavalli Omkar		67	Elite
15	20501A0454	Lanke Harshitha	Evolution of Air Interface Towards 5G	60	Elite
16	20501A04B5	Valadasu pallavi		55	Successfully completed
17	20501A0478	Pavuluri Sai Goutham		70	Elite
18	20501A0482	Podili Sri Maheswari		64	Elite
19	20501A04A7	Thatithuri Lalitha		62	Elite
20	20501A0492	Ravada Anil Kumar		78	Elite+Silver
21	20501A04B5	Valadasu Pallavi		63	Elite
22	20501A0403	Addepalli Bharat		52	Successfully completed
23	20501A0460	Mandavilli Sai Subhash		54	Successfully completed
24	20501A04C0	Vatturi Prasanna Ganesh		68	Elite
25	20501A0485	Prathipati Raju	Programming In Java	50	Successfully completed
26	20501A04A4	Suravarapu Sai krishna		65	Elite
27	20501A0404	Agolu Venkata Sai Kiran		53	Successfully completed
28	20501A0447	Konda Kundana		55	Successfully completed
29	20501A04B2	Utlapalli Meghana		64	Elite
30	20501A0455	Maddipatla Jayatha		55	Successfully completed
31	20501A0481	Peta Asha		55	Successfully completed
32	20501A0494	Reddy Shanmukha Vardhan		73	Elite
33	20501A04A3	Sweekar Sonti		75	Elite+Silver



34	20501A0420	Chevuri Dhruva Chandra		56	Successfully completed
35	21505A0410	Mohammed Shahid Afridhi		68	Elite
36	20501A0432	Gottapu Chakradhara naidu	Data Analytics with Python	62	Elite

### Paper Presentations in Conferences:

- i. Following students presented their paper in **International Conference on Recent Advances in Mechanical & Industrial Engineering - 2023**, ISBN No: 97893556609090, organized by Dept. of Mechanical Engineering, PVPSIT, Kanuru during 24<sup>th</sup> – 25<sup>th</sup> March 2023.

S.No	Student Name	Title of The Paper
1	Ms. A. Yogitha	Collaborative Learning Robots
2	L. Dora Babu	Land Mine Detection Robotic Vehicle with GPS Positioning
	P. Poojitha	
	M. Niharika	
3	A.Maha Siva Parvathi	Finger print sensor interface with security applications
	A.Durga Sri	
	B.Michael	

### b) Student Internships:

- i. The following are the details of II B.Tech students attending internship at IIT Ropar, Punjab from 12<sup>th</sup> June, 2023.

S.No	Reg. No.	Name
1.	21501A0485	Ms. Muvvala Haritha
2.	21501A04A0	Ms. Pulavarthi Veena Naga Sri Surya Priya
3.	21501A04A3	Ms. Rajulapati Puneetha
4.	21501A04B4	Ms. Talluri Divya Naga Durga

ii. The following are the details of III B.Tech students attended internship at Sri Shasha Prayathi Technologies Pvt. Ltd. Nitk-Step, Srinivasnagar, Surathkal, Mangalore on **Programming with Arduino UNO and Raspberry Pi with Radar Sensors for IoT Applications** during 6<sup>th</sup> March – 7<sup>th</sup> April, 2023.

S.No	Roll. No. of Student	Name of the student	S.No	Roll. No. of Student	Name of the student
1	20501A0401	Abdul Ayesha	24	20501A0424	Dasi Devika
2	20501A0402	Abhinaya Deepa Jerripothula	25	20501A0425	Divi Bhargavi
3	20501A0403	Addepalli Bharat	26	20501A0426	Dokka Indu Priya
4	20501A0404	Agolu Venkata Sai Kiran	27	20501A0427	Dondapati Tanmai
5	20501A0405	Alaparthi Akash	28	20501A0428	Donepudi Jahnvi
6	20501A0406	Alapati Naga Venkata Sai Akshaya	29	20501A0429	Gandikota Tejeswararao
7	20501A0407	Aluri Dinesh	30	20501A0430	Goli Revanth
8	20501A0408	Angalakuditi Hima Surya Teja	31	20501A0431	Golla Kamaraju
9	20501A0409	Avutapalli D S S L Tejaswini	32	20501A0432	Gottapu Chakradhara Naidu
10	20501A0410	Banavathu Kishore	33	20501A0433	Gudavalli Amala Rama Konda
11	20501A0411	Banda Navyasri	34	20501A0434	Gunuru Bhaskar
12	20501A0412	Battina Puja Madhuri	35	20501A0435	Jai Aashish Sammeta
13	20501A0413	Battina Rammohan	36	20501A0436	Jayana Thanmaya Ramya Krishna
14	20501A0414	Bavisetti Siva Naga Sai	37	20501A0437	Kadiyala Navatej
15	20501A0415	Bhimavarapu Sri Veera Harshith Reddy	38	20501A0439	Kaligithi Dharani Supraja
16	20501A0416	Buradagunta Chandu	39	20501A0440	Kancharla Ramya
17	20501A0417	Chaganti Sai Sarath Chandra	40	20501A0441	Kandukuri Gagan Sai Kowshik
18	20501A0418	Challari Teja Sri	41	20501A0442	Karlapalepu Hemasri
19	20501A0419	Chennuru Sai Sobhan	42	20501A0443	Karnati Revanth
20	20501A0420	Chevuri Dhruva Chandra	43	20501A0444	Kolli Anvitha
21	20501A0421	Chopparapu Gagan Nag	44	20501A0445	Kollipara Veda Sri Varshini
22	20501A0422	Darajula Sai Revanth	45	20501A0446	Kolluru Harshitha
23	20501A0423	Dasari Dwijit	46	20501A0447	Konda Kundana

S.No	Roll. No. of Student	Name of the student	S.No	Roll. No. of Student	Name of the student
47	20501A0448	Korivi Divya Naga Durga	71	20501A0465	Mohammad Jabeer Shareef
48	20501A0449	Kosuri Ravali Priya	72	20501A0467	Mudavathu Tejaswini
49	20501A0450	Kotum Abhishek	73	20501A0468	Murari Sai Kiran
50	20501A0451	Kukkamalla Reshmapavani	74	20501A0469	Naga Sreeja Ayyadevara
51	20501A0452	Kukkamalla Sanjana	75	20501A0470	Nagabathula Lakshmi Gayathri
52	20501A0453	Lalitha Vangavolu	76	20501A0471	Nalamala Sai Jyothi
53	20501A0454	Lanke Harshitha	77	20501A0472	Nallajarla Dana Durga Venkata Krishnavamsi
54	20501A0455	Maddipatla Jayatha	78	20501A0473	Pabolu Venkata Dinesh
55	20501A0456	Madu Kesav	79	20501A0474	Palaparthi Anil
56	20501A0457	Majji Gokul Sai	80	20501A0475	Pallagani Dinesh Babu
57	20501A0458	Mallampally Manvitha Naga Siri	81	20501A0476	Pamula Vamsi Sridevi
58	20501A0459	Mamidi Isaac Srihas	82	20501A0477	Panuganti Ravi Kishor Reddy
59	20501A0460	Mandavilli Sai Subhash	83	20501A0478	Pavuluri Sai Goutham
60	20501A0461	Maradani Uma Sri	84	20501A0479	Peddibhotla Satya Kowmudi
61	20501A0462	Matti Gaganasindhu	85	20501A0480	Penumudi Kousalya
62	20501A0463	Meda Tanmayi	86	20501A0481	Peta Asha
63	20501A0464	Mendu Vinay	87	20501A0482	Podili Srimaheswari
64	21505A0401	Ambadipudi Sri Khyathi	88	20501A0483	Potluri Siva Ram
65	21505A0402	Appikonda Prabhu Shankar	89	20501A0484	Pranavi Sri Narapareddy
66	21505A0403	Chintalacheruvu Nandini	90	20501A0485	Prathipati Raju
67	21505A0404	Devireddy Giri	91	20501A0486	Putcha Venkata Naga Siva Gowtham
68	21505A0405	Juttiga Sasidhar	92	20501A0487	Puvvada Swathi Naga Manikanta Manasa
69	21505A0406	Kampasati Maneesha	93	20501A0488	Rabia Kousar
70	21505A0407	Kotta Naga Sai	94	20501A0489	Rajesh Puligeti

S.No	Roll. No. of Student	Name of the student	S.No	Roll. No. of Student	Name of the student
95	20501A0490	Rajulapati Pradeep	118	20501A04B3	Vadlamani Venkata Satya Bharathi
96	20501A0491	Ramiseti Venkata Naga Sai	119	20501A04B4	Vadlamudi Sangeetha
97	20501A0492	Ravada Anil Kumar	120	20501A04B5	Valadasu Pallavi
98	20501A0493	Ravuri Anil Kumar	121	20501A04B6	Vamsi Sai Krishna Gogineni
99	20501A0494	Reddy Shanmukha Vardhan	122	20501A04B7	Vanga Ganesh Sai Kartheek
100	20501A0495	Rompelli Santosh Kumar	123	20501A04B9	Varadapureddi Venkata Rao
101	20501A0496	Rugvedam Padma Sri	124	20501A04C0	Vatturi Prasanna Ganesh
102	20501A0497	Sai Likhith Nuvvala	125	20501A04C1	Velamala V S S Lakshmi Narasimha
103	20501A0498	Saripalli Pujitha Bhavani	126	20501A04C2	Vellanki Swathi Sree
104	20501A0499	Savaram Satish	127	20501A04C3	Vemu S V S S Anandamai
105	20501A04A0	Sayana Mahesh Sai	128	20501A04C4	Venkata Sai Cherukuru
106	20501A04A1	Shaik Arshiya	129	20501A04C5	Vucha Ushaswini
107	20501A04A2	Shaik Firoj	130	20501A04C6	Yadavalli Omkar
108	20501A04A3	Sonti Sweekar	131	20501A04C7	Yarlagadda Sai Pranathi
109	20501A04A4	Suravarapu Sai Krishna	132	21505A0408	Manikonda Trivarnika
110	20501A04A5	Tekimudi Sai Venkat	133	21505A0409	Mohammad Naseer Baig
111	20501A04A6	Tharugu Meghana	134	21505A0410	Mohammad Shahid Afridhi
112	20501A04A7	Thatithuri Lalitha	135	21505A0411	Shaik Hussainbee
113	20501A04A8	Thollikonda Esther Rani	136	21505A0412	Sunkara Naga Devi
114	20501A04A9	Thotapalli Mohana Iswarya	137	21505A0413	Vadaparthi Sravani
115	20501A04B0	Unguturi Niharika			
116	20501A04B1	Uppala Sai Gowtham			
117	20501A04B2	Utlapalli Meghana			



**c) Extra-curricular Activities:**

S.No	Reg. No.	Name	Year of Study	Name of the Institute	Paper/Poster/Project Contest Held on /At)	Title of the Paper/Poster/Project	Prize
5.	20501A0494	R. Shanmukha Vardan	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Zigzag With Electronics	II
6.	20501A0490	R. Pradeep	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Rove In “Technopilia-2k23”	II
7.	20501A0492	R. Anil Kumar	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	II
8.	20501A0475	P.Denesh Babu	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	II
9.	20501A04B1	U. Gowtham	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	II
10.	20501A0495	R. Santhosh Kumar	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	II
11.	20501A04A7	T. Lalitha	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Paper: Cyber Bullying: The Emerging Crime of 21 <sup>st</sup> Century	II
12.	20501A04A7	T. Lalitha	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
13.	20501A04A5	T. Sai Venkat	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
14.	20501A04C0	V. Prasanna Ganesh	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23””	Participation
15.	20501A04A3	Sonti Sweekar	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
16.	20501A0494	R. Shanmukha	III	R.V.R &J.C College of	26.04.2023	Tech Trove In	Participation

		Vardan		Engineering ,Guntur		“Technopilia-2k23”	
17.	20501A04C6	Y. Omkar	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
18.	20501A0478	P. Sai Goutham	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
19.	20501A0483	P. Siva Ram	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
20.	20501A0497	Sai Likhith	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Rove In “Technopilia-2k23”	Participation
21.	20501A04B6	G.Vamsi Sai Krishna	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
22.	20501A04B8	V .Koushik Naren Sai	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
23.	21501A0430	D. Hemanth	II	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
24.	21501A0430	D. Hemanth	II	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Circuit Combat In “Technopilia-2k23”	Participation
25.	21501A04A4	R. Gopi Chand	II	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Circuit Combat In “Technopilia-2k23”	Participation
26.	21501A04A4	R .Gopi Chand	II	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
27.	20501A0449	K.Ravali Priya	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
28.	20501A0449	K.Ravali Priya	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Zigzag With Electronics In “Technopilia-2k23”	Participation
29.	20501A0449	K.Ravali Priya	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Circuit Combat In “Technopilia-2k23”	Participation
30.	21505A0402	A.Prabhu Sankar	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation

31.	21505A0402	A.Prabhu Sankar	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Zigzag With Electronics In “Technopilia-2k23”	Participation
32.	21505A0402	A.Prabhu Sankar	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Circuit Combat In “Technopilia-2k23”	Participation
33.	20501A0456	M.Kesav	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
34.	20501A0456	M.Kesav	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Zigzag With Electronics In “Technopilia-2k23”	Participation
35.	20501A0456	M.Kesav	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Circuit Combat In “Technopilia-2k23”	Participation
36.	21505A0407	K.Naga Sai	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
37.	21505A0407	K.Naga Sai	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Zigzag With Electronics In “Technopilia-2k23”	Participation
38.	21505A0407	K.Naga Sai	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Circuit Combat In “Technopilia-2k23”	Participation
39.	20501A0440	K.Ramya	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Tech Trove In “Technopilia-2k23”	Participation
40.	20501A0440	K.Ramya	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Zigzag With Electronics In “Technopilia-2k23”	Participation
41.	20501A0440	K.Ramya	III	R.V.R &J.C College of Engineering ,Guntur	26.04.2023	Circuit Combat In “Technopilia-2k23”	Participation
42.	21501A04B0	Sk. Saleem	II	P. B. Siddhartha College of Arts &Science ,Vijayawada	06.04.2023	Quiz	1 Prize
43.	215014A4	R. Gopi Chand	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	1 Prize

44.	22501A0410	V Vardhan Babu	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	1 Prize
45.	21501A0434	G. Veerababu	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	I Prize
46.	21501A0439	Ms. Madhuri	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Circuitrix	I Prize
47.	21501A0446	J.Teja	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	II Prize
48.	21501A0463	K.Charan Teja	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	II Prize
49.	21501A0477	M. Praveen Kumar	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	II Prize
50.	21501A0402	A.Rezwana	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
51.	21501A0401	A.Namathumisa	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
52.	21501A04B1	Sk.Shanvaz Bhasha	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
53.	21501A0435	G.Havya	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
54.	21501A0482	Md.Ameen	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
55.	21501A0496	P.Akash Babu	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
56.	21501A0433	E.S.V.Krishna	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
57.	21501A0430	G.Veera Babu	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
58.	21501A0438	Ms. Madhuri	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
59.	21501A0447	Ms. Geetha	II	P. B. Siddhartha College of	06.04.2023	Quiz	



				Arts & Science, Vijayawada			Participation
<b>60.</b>	21501A0430	D.Hemanth	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>61.</b>	21501A0489	N.Jagadesh	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>62.</b>	21501A0460	Manoj Krishna	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>63.</b>	21501A0409	Harshitha	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>64.</b>	21501A0407	A.Sowmya	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>65.</b>	21501A0458	K.Sneha Latha	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>66.</b>	21501A0418	Abinav	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>67.</b>	21501A0444	G.Pradeep	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>68.</b>	22501A0403	K.Pavan Adityya	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>69.</b>	21501A0416	B.Gopi Mallikharjuna	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>70.</b>	21501A04C9	Yasin Ahmed	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>71.</b>	21501A0415	Mr. Girish	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>72.</b>	21501A0466	K.Hemanth	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>73.</b>	21501A0443	G. Ajay Kumar	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
<b>74.</b>	21501A0406	A. Sairam Swaroop	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation

75.	21501A0449	K.Dhavan Sai	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
76.	21501A0420	B.Akash	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
77.	21501A0437	G.Jayanth	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Quiz	Participation
78.	21501A0407	A.Sowmya	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
79.	21501A0409	A.Harshitha	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
80.	21501A0418	B.Abinav	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
81.	21501A0458	K.Sneha Latha	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
82.	21501A0447	J.Geetha	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
83.	21501A0438	G.Madhuri	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
84.	21501A0415	B.Girish	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
85.	21501A0420	B.Akash	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
86.	21501A0437	Jayanth	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
87.	21501A0433	E. Surya	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Treasure hunt	Participation
88.	21501A04B0	Saleem	II	P. B. Siddhartha College of Arts & Science, Vijayawada	06.04.2023	Poster Presentation	Participation
89.	21501A0406	A. Sairam Swaroop	II	V.R. Siddhartha Engineering College	24.02.2023		Participation

90.	21501A0405	A.Sai Kalyan	II	V.R. Siddhartha Engineering College	24.02.2023	Technical Quiz	Participation
91.	21501A0449	K.Dhavan Sai	II	V.R. Siddhartha Engineering College	24.02.2023		Participation
92.	21501A0461	K.Bhagyasri	II	V.R. Siddhartha Engineering College	24.02.2023		Participation



## 8. Higher Education

Sl. No.	Reg. No. of the Student	Name of the Student	Year of Study	Name of the Competitive Exam	Score	Date
1	19501A0411	B. Raghubabu	IV	GRE	310	27.02.2023
2	19501A0443	K. Jaswanth	IV	GATE	451	GATE-23
3	19501A0452	K.Bindu Madhavi	IV	XAT	42	08.01.2023
4	19501A0487	P.Likitha	IV	TOEFL	95	04.01.2023
5	19501A0497	P.Tapasya	IV	Duolingo	135	12.01.2023
				GRE	322	07.01.2023
6	19501A04B2	T.Surya Bhavani	IV	Duolingo	130	07.01.2023
7	19501A04B5	Taruni Madugula	IV	Duolingo	120	20.01.2023
8	19501A04B7	Venkata Prudhvi Raj T	IV	GATE	343	GATE-23
9	20501A0492	Ravada Anil Kumar	III	GATE	426	GATE-23

## 9. MOUs Signed

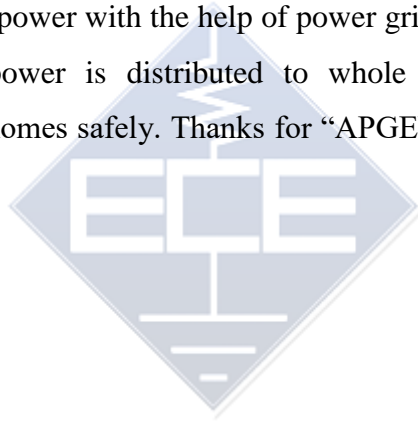
- Memorandum of Understanding with **Sri Shasha Prayathi Technologies Pvt. Ltd.**, Mangalore, Karnataka from 23.01.2023 to 22.01.2028.
- Memorandum of Understanding with **Entuple Technologies Pvt. Ltd.**, Bangalore, Karnataka from 15.03.2023 to 14.03.2025.
- Memorandum of Understanding with **Skilldizire Technologies Pvt. Ltd**, Hyderabad from 15.05.2023 to 14.05.2026.
- Memorandum of Understanding with **Physitech Electronics**, Hyderabad from 22.06.2023 to 21.06.2028.



## 10. Students Contribution

### Fieldtrip Highlights:

We went to Vijayawada Thermal Power Station as part of our Industrial visit which was conducted by our college. At first, we went to “APGENCO” office and then they gave a brief introduction about infrastructure of Thermal Power Station and explained about each and every process till afternoon. After lunch, they gave us helmets to everyone as this helmet used for safety precaution and they divided us into to two groups and each sub group is allocated with some experienced guide. First, they show us coal unloading process. After that the coal is processed like fine powder. This powder is heated at 1400degrees. This burned coal gives fuel gas, this gas heats the water and produces steam and this steam runs the turbine and the turbine produces power. During power generation process they showed us the what instruments they are used to measure and preventive measures to take. After power generation they distribute the power with the help of power grids. In this manner the power is generated. This generated power is distributed to whole Andhra Pradesh state. After completion of visit we went homes safely. Thanks for “APGENCO” for sharing us their vast knowledge and experience



**P. V.N.S.S.Priya**

**21501A04A0**



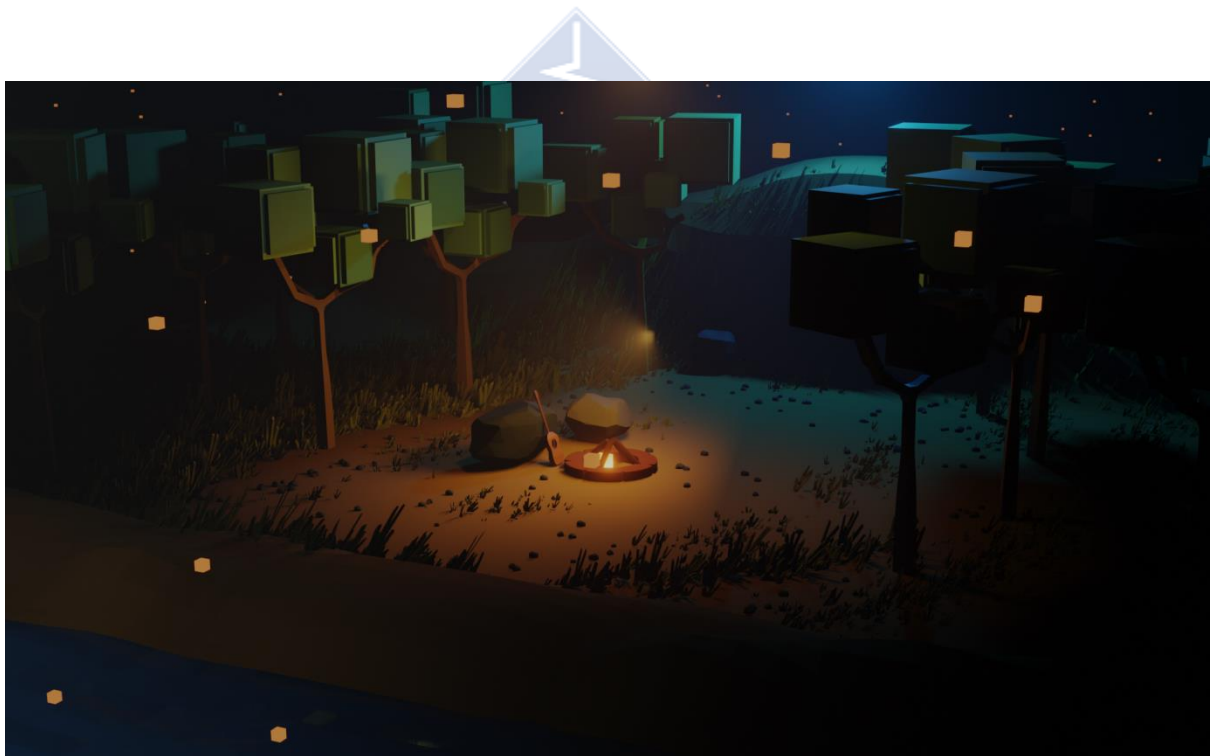
**Sci fi Cubic world**



**Erica moon light**



**Halo**



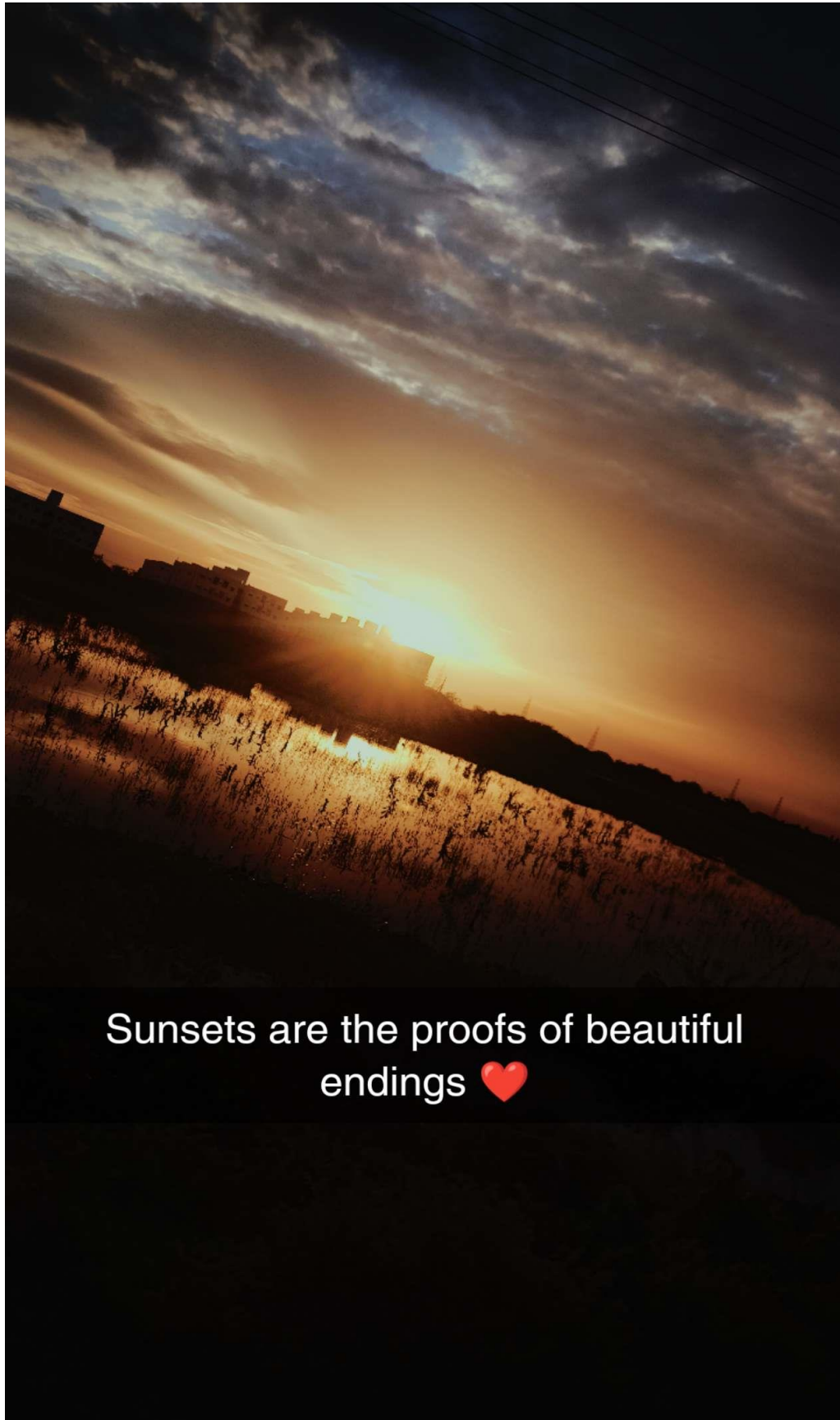
**“The glorius of a moutain Campfire are far greater than may be guessed.”**

**Night at camp fire**

I humbly present this artwork as a testament to the boundless possibilities offered by **Blender 3D Software**. I hope it inspires others to embark on their creative journeys and explore the limitless potential of the digital realm.

**P. Saul Reynodar**

**21501A0498**



Sunsets are the proofs of beautiful  
endings ❤️

**P. Durga anupama**  
**21501A0499**



# OUTCOME BASED EDUCATION FRAMEWORK

~ **STUDY : MAHABHARAT**



## CONTENTS

- 1) WHAT IS OBE
- 2) PRINCIPLES OF OBE - **CLEAR LEARNING OBJECTIVES,  
ASSESSMENT OF LEARNING  
APPLICATION ORIENTED EDUCATION  
PERSONAL & ETHICAL DEVELOPMENT  
DEVINE INTERVENTION WITH PEOPLE**
- 3) CONCLUSION
- 4) ACKNOWLEDGEMENTS
- 5) QUIERES ?



# WHAT IS OBE ?

**OUTCOME BASED EDUCATION IS AN EDUCATIONAL APPROACH ,WHICH SPECIFIES THE CREATIVE SKILLS REGARDING THE PREVIOUS COURSE STUDIED BY THE STUDENT.**



## PRINCIPLES OF OBE

- 1) CLEAR LEARNING OBJECTIVES
- 2) ASSESMENT OF LEARNING
- 3) APPLICATION ORIENTED EDUCATION
- 4) PERSONAL AND ETHICAL DEVELOPMENT
- 5) DEVINE INTERVENTION WITH PEOPLE

**In the Mahabharata, several characters and their journeys can be related to the principles of Outcome-Based Education. Here are some key characters and their relevance to Outcome-Based Education:**

## **1) CLEAR LEARNING OBJECTIVES**

**Arjuna:** Arjuna's training under Dronacharya exemplifies Outcome-Based Education. Dronacharya sets clear learning objectives for Arjuna, focusing on **archery skills** and martial prowess. Throughout his education, Arjuna works towards achieving specific outcomes, culminating in his proficiency as an exceptional archer.





## 2) ASSESMENT OF LEARNING

**Ekalavya:** Ekalavya's character emphasizes the importance of **self-learning and determination** in Outcome-Based Education. Even without a formal teacher, Ekalavya sets his own learning goals and achieves excellence through dedication and practice.



## 3) APPLICATION ORIENTED EDUCATION

**Indraprastha** was a magnificent city built by the **Pandavas**, the protagonists of the Hindu epic, Mahabharata. According to the Mahabharata, after the Pandavas emerged victorious in the Kurukshetra War, they were granted the Khandavprastha region by their eldest cousin, King Yudhishtira. The Pandavas decided to build their capital city on this land and named it Indraprastha.





#### 4) PERSONAL AND ETHICAL DEVELOPMENT

**Yudhishtira:** Yudhishtira demonstrates the significance of ethical and moral development(VIRTUE) in Outcome-Based Education. His character highlights the need for character building and the cultivation of virtuous traits alongside academic knowledge.

#### 5)DEVINE INTERVENTION

During the gambling match(**iyudam**),**Draupadi** prays fervently to Lord **Krishna**, who comes to her rescue. As **Dushasana** continues to pull her saree, miraculously, the cloth never seems to end, preventing Draupadi from being dishonored. This divine intervention saves her from the humiliation, and Krishna's protection preserves her dignity.



## CONCLUSION

- FROM THE CHARACTERS OF MAHABHARAT THE **PRINCIPLES OF OUTCOME BASED EDUCATION** ARE REPHRAMED AS
  - 1) KNOWLEDGE
  - 2) PATIENCE
  - 3) JUSTICE
  - 4) LOVE
  - 5) DEDICATION

**THANK  
YOU**

~ BANDE MANOJ  
21501A0410  
III.B-TECH,ECE-1





