



# ENCYCLOPEDIA

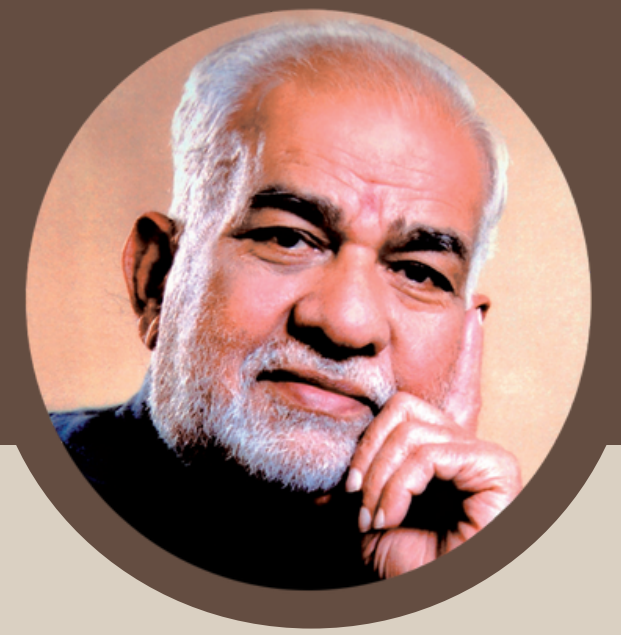
-Let's Excel



6<sup>th</sup> issue  
Sept' 2022

VISHNU INSTITUTE OF TECHNOLOGY(A)

# VISHNU INSTITUTE OF TECHNOLOGY



**Padma Bhushan  
Dr. B. V. Raju**

Vishnu Institute of Technology, the scion of Shri Vishnu Educational Society was established in 2008 and is currently the eleventh educational institution to disseminate education under the aegis of this society. Nascent that it is, it combines in its matrix the lofty idealism of its Founder Chairman the Late Padmabhushan Dr. B. V. Raju, a distinguished industrialist, philanthropist and an eminent educationalist; the experience and vigour provided by the Chairman Sri K.V.Vishnu Raju, a man of holistic vision and his team comprising dexterous administrators, reputed academicians and brilliant line students. They constantly strive to make the institution join the ranks of prestigious technical institutions.

## CAMPUS

The Campus, sprawling over 100 acres, is located in the verdant atmosphere of Vishnupur, Bhimavaram. It is in the vicinity of the town and is well connected by rail and road. VISHNU provides a home away from home to students who opt for a residential mode of education. The hostels are amidst the serene and picturesque green ambience congenial to pursue education.

## HANDS ON EXPERIENCE

To make the instruction in VISHNU more practical-oriented, special focus is on hands on experience. The Assistive Technologies Lab works in collaboration with the University of Massachusetts, USA to help students combine technology with a humane approach.

Gadgets for the physically challenged are designed and developed here by students under the guidance of eminent professors both from the Institute and abroad. VISHNU aims at empowering students with technical skills and a "can-do" entrepreneurial spirit. The IBM Software Centre of Excellence in the campus provides students with World-Class education there by increasing the skill set of each student and faculty for a great career.



# HELM OF AFFAIRS

Academics are a continuing process of exploration, growth and sustenance. Today information explosion has brought about many changes. Every day brings in new demands. One has to constantly upgrade to cope with the fast emerging trends. Hence it has become imperative to all the stakeholders in education to strengthen themselves with the necessary knowledge, skills and attitude to keep themselves abreast of the rapid changes. The stimulus has been given... it is time for your response.



**Sri K. V. Vishnu Raju**  
Chairman, SVES



**Ravichandran Rajagopal**  
Vice Chairman, SVES

The way I want to inspire as a leader is to keep the faculty focused on the objective of the business of education itself and to keep my students engaged in a meaningful way and not only through the regular academic rigor of running a syllabus but also to identify their inner talent. Therefore it is as much an important attribute that we need to bring into our students in our college and create career track paths through interactions with them. My job is to bring that experience by giving them the right alignment tools to accomplish their goals.

I come with deep insights into quality education in the areas of future skills required to be embedded in the courses offered by our autonomous colleges across Sri Vishnu institutions, and industry relevant knowledge to drive disruptions in higher education. I'm in close coordination with the Vishnu Educational Development and Innovation Centre (VEDIC) at Hyderabad, a campus dedicated to innovations in teaching pedagogy, learning styles and continuous assessment methods for active learning of students.



**Sri. K. Aditya Vissam**  
Secretary, SVES





**Dr.D.Suryanarayana**  
**Director & Principal**

Along with reaching the pinnacle of academic excellence, we at Vishnu Institute of Technology aim for our students to fill their lives with positivity, hope, and happiness. We motivate them to acquire values and skills that they can rely upon in leading their lives purposefully as individual and global

citizens. In turn, we promise to provide an enabling environment and careful nurturing and honing of their talents through academic and co-curricular exposure. I applaud the efforts of our faculty for their hardwork and also commitment of our parents for having invested their energy and time in helping our students realize their dreams. I wish the Vishnu Institute of Technology to have great success in all its efforts



Our priority is to provide every one with formal qualification for a rewarding career. In Vishnu, we aim for every student to settle in a suitable career path of choice. Together with the entire supportive community of vishnu's dedicated faculty and staff, we will do our best to provide you with a caring

environment that will enable you to take the right steps towards a brighter future and career success, as well as outstanding student experiences. We pride ourselves in timely completion by students. I therefore wish to urge you to work hard from the very beginning and remain steadfast.



**Prof.K.Srinivas**  
**HOD & Vice Principal**



## VISION OF THE COLLEGE

To empower the students through Academic excellence and Ethics so as to bring about social transformation and prosperity.

## MISSION OF THE COLLEGE

- To expand the frontiers of knowledge through quality education.
- To provide value added Research and development.
- To embody a spirit of excellence in Teaching, Creativity, Entrepreneurship and Outreach.
- To provide a platform for synergy of Academy, Industry and Community.
- To inculcate high standards of Ethical and Professional behaviour.

## VISION OF THE DEPARTMENT

In pursuit of world class excellence in the field of Electronics and Communication Engineering by empowering quality education and research.

## MISSION OF THE DEPARTMENT

- To empower the students with knowledge and competencies in the frontier fields conforming to international standards.
- To enable the students to develop innovative solutions in collaboration with industries and research institutes to meet the local and global needs through project based learning.
- To mould the students professionally with a consciousness of moral values and professional ethical code.



# ABOUT THE INSTITUTE

Vishnu Institute of Technology, was established in 2008 by Sri Vishnu Educational Society (SVES), a leading educational trust to promote quality education, under the aegis of eminent philanthropist Padma Bhushan Dr. B.V.Raju (Late). The institute is approved by AICTE and is permanently affiliated to JNTUK, Kakinada. It has got Autonomous status in the academic year 2019-20 and is accredited by NBA and NAAC 'A+' with 3.51 CGPA. We offer 9 UG Courses, 4 PG Programs and we also offer research degree programs in ECE and Mechanical Engineering

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

To impart value based technical education and train students to turn out full-fledged engineers in the field of Electronics & Communication Engineering with an overall background suitable for making a successful career either in Industry/Research or higher education i.e, from A.Y 2008-09 with an intake of 60 students. Presently, the intake of the ECE Department is 180 students. The department has faculty strength of 44 well qualified, experienced and dedicated Post graduates with seven Doctorates and some of them are pursuing Ph.D in different streams and 6 supporting staff.

The department encourages students into postgraduate studies and prepares them for leadership roles in research and development. ECE Department is recognised as Research Centre by JNTU Kakinada in A.Y 2019-20. Along with UG, one M.Tech course in Digital Electronics and Communication Systems from A.Y 2014-15 with an intake of 18 students is also offered.

The ECE department has good infrastructure with 8 different labs namely Microwave Engineering lab, Microprocessor Lab, Digital ICs Lab, Communications Lab, Computer Lab, EDC Lab, LIC Lab, DSP & VLSI Lab. All the labs are fully equipped to provide the present day advanced technology. ECE department has three Centre of excellences, Assistive Technology Lab (ATL), National Instruments lab (NI) and Drone Centre of Excellence(DCE)..

The Department has student's chapters like IETE Student Forum and ISTE Student

# R & D Faculty works

## I. Acted as Resource Person/Others

1. **Dr. N. Padmavathy** acted as a Reviewer for The International Symposium on Intelligent Informatics (ISI) 2022 – 07.07.2022.
2. **Dr. B.V.V Satyanarayana** acted as a session chair for the 1st International Conference on Recent Developments in Electronics & Communication Systems (RDECS) 2022 organized by ECE Department, Aditya Engineering College (A), Surampalem, A. P., India on 22-23 July, 2022.

## II. Faculty Publications

1. Janapala, D.K., Moses, N. & **Rangarao Orugu**. Compacted conformal antenna at lower-UWB for wireless capsule endoscope system. *Journal of Ambient Intell Human Comput* (2022). <https://doi.org/10.1007/s12652-022-04318-6> (SCI)
2. **Padmavathy, N.**, Chinniah, M.C., Ravi Varma, K. (2022). Estimation of Electromagnetic Pollution Index of Macrocell. In: Gupta, D., Goswami, R.S., Banerjee, S., Tanveer, M., Pachori, R.B. (eds) *Pattern Recognition and Data Analysis with Applications. Lecture Notes in Electrical Engineering*, vol 888. Springer, Singapore. [https://doi.org/10.1007/978-981-19-1520-8\\_4](https://doi.org/10.1007/978-981-19-1520-8_4)
3. **Prabhakara Rao, A., Prasanna Kumar, G.**, Ranjan, R. (2022). Performance Comparison of Classification Models for Identification of Breast Lesions in Ultrasound Images. In: Gupta, D., Goswami, R.S., Banerjee, S., Tanveer, M., Pachori, R.B. (eds) *Pattern Recognition and Data Analysis with Applications. Lecture Notes in Electrical Engineering*, vol 888. Springer, Singapore. [https://doi.org/10.1007/978-981-19-1520-8\\_56](https://doi.org/10.1007/978-981-19-1520-8_56)
4. Singh, L., **Pareek, P.**, Siddiqui, B., Prasad Konakalla, E. (2022). Investigation of Sensing Ability of Double-Slot Hybrid Plasmonic Waveguide for Liquid Analyte. In: Gupta, D., Goswami, R.S., Banerjee, S., Tanveer, M., Pachori, R.B. (eds) *Pattern Recognition and Data Analysis with Applications. Lecture Notes in Electrical Engineering*, vol 888. Springer, Singapore. [https://doi.org/10.1007/978-981-19-1520-8\\_34](https://doi.org/10.1007/978-981-19-1520-8_34)
5. S. Pranavan, S. Bano, K. K. Tiwari, **P. Pareek**, M. S. Narayana and D. Gangodkar, "Non - Linear Analysis with Experiment of Rc Tower with wind Loading Telecommunication," 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022, pp. 1038-1042, doi: 10.1109/ICACITE53722.2022.9823647



6. A. Jain, K. K. Ramachandran, S. Sharma, T. Sharma, **P. Pareek** and B. Pant, "Detailed Investigation of Influence of Machine learning (ML) and Big Data on Digital Transformation in Marketing," 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022, pp. 1061-1065, doi: 10.1109/ICACITE53722.2022.9823810

7. Ch. Murali Krishna, N. Suguna, R. Saravana Kumar, S. Alamelu alias Rajasree, V.L.N. Phani Ponnappalli, **M.K.V. Subbareddy**, Giuseppe peano fractal loaded multiband antenna using parasitic strips for THz applications, Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2022.07.382>

### III. FDP/Workshop/Webinar Attended

1. **Dr. Prakash Pareek** has attended an AICTE FDP on UHV-II, 20-06-2022 to 25-06-2022.

2. **Mrs.G.Srilakshmi, Mr.A.M.V.Pathi, Mr.D.Durga Prasad, Mr. R.Bharath Kumar and Mr.M.K.V.Subbareddy** has attended an FDP on VLSI Exposure and it's Challenges in Engineering organized by Krishna University College of Engineering and Technology from 11th July 2022 to 15th July 2022.

### IV. Patent Publications

1. **Mr. A K Chaitanya Varma, Dr. G Prasanna Kumar, Dr. B V V Satyanarayana**, "Design and implementation of an IoT based Monitoring system for inland vessels using multiple sensor networks", Application Number: 202231038458, DOF: 04/07/2022, DOP: 29/07/2022.

2. **Dr. B V V Satyanarayana, Mr. A K Chaitanya Varma, Dr. G Prasanna Kumar, Mr.Mulagala Dileep, Mr.Prudhvi Raj Budumuru, Mr.Kothapalli Ramesh Chandra, Mr.S V S N Murthy, Mr.A M V Pathi, Mr.B Elisha Raju, Mr.D Durga Prasad** "IOT and AI based Smart Chips for Embedded Operating Systems with High Level of Confidence", Application Number: 202241047158, DOF:19/08/2022, DOP: 26/08/2022.

### V. Faculty Achievements:

Dr G. Prasanna Kumar has been appointed as a member in the Executive Committees of IETE, Kakinada Center for the tenure of 2022-24.



**Dr G. Prasanna Kumar**  
**Professor**



# Teacher's Day

-Sept 5th 2022

Teaching is a profession that teaches all other professions. A day is kept aside to remember all the teachers. This day is celebrated in commemoration of Dr. S.Radhakrishnan, who was a staunch believer of education and was the well-known diplomat, scholar and above all a teacher. To carry forward this tradition, NSS Units of Vishnu Institute of Technology, celebrated Teacher's Day to thank the teaching faculty for the contributions they make to the students and community. The program is started with a prayer song by Ms.D.Lasya.



**Dr.D.Suryanarayana, Director & Principal** was the chief guest of the event and he spoke on the role of a teacher in a student's life considering them the nation builders. He underlined the need to develop self-discipline, commitment and dedication towards their profession. He said that teachers play a significant role in guiding and instilling values, brotherhood and humanity among the students. He concluded with a statement that "Every day is a learning day and the process of learning is never ending for teacher."

All the HODs, faculty and Department level NSS coordinators participated in the celebrations.





# 75th INDEPENDENCE DAY CELEBRATIONS



As a part of 75th Independence day, students and faculty members of Shri Vishnu Educational Society have organised a Rally to promote awareness on Har Ghar Tiranga

The NSS Unit of VIT has been an essential part of this successful event





# ALUMNI MEET



Vishnu Institute of Technology Alumni Association (VAA) organized "ALUMNI MEET 2020" to the 2016-20 batch of E.C.E. students on 30th July 2022. Prof. K. Srinivas, Head of the Department, E.C.E. addressed all the alumni students. The meeting was graced by other department HOD's and faculty.



# AWARENESS PROGRAM ON HIGHER EDUCATION



Mr. Jayasurya (Brown University, USA) is visited our college to organise a workshop on admission tests for study abroad, the best countries to study and also career opportunities after masters.





# INTERACTION

Our Alumni S.Manikanth working In COGNIZANT interacted with III ECE students about 'How to face Interviews'. Session graced by Prof.K.Srinivas HOD/ECE. Interaction went on well and thanks to our alumni for his valuable suggestions to students.  
"Our Alumni - Our Pride"





# INTERACTION with Sri B.V. Naidu garu



Sri B. V. Naidu garu interacted with the students and faculty members regarding entrepreneurship and a few challenges in society and how to face them, how to overcome the fear of working hard and leading a peaceful life... The session was really interactive and all the students actively took part by asking few suggestions.





# ENGINEER'S DAY 2022

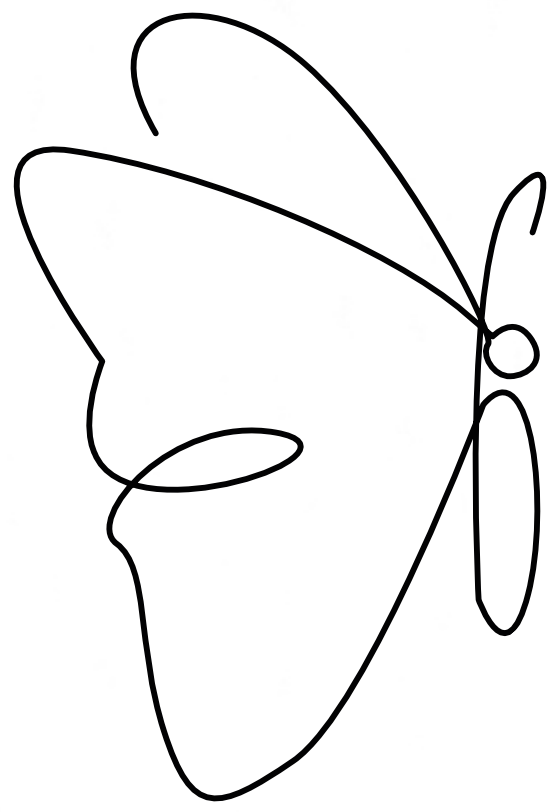


To recognise and honour the achievements of the great engineer Mokshagundam Visvesvaraya, Engineer's day was celebrated at Vishnu Institute of Technology. Events like JUST A MINUTE, CIRCUIT DEBUGGING, QUIZ were conducted as a part of the event. Several students have actively participated and won prizes

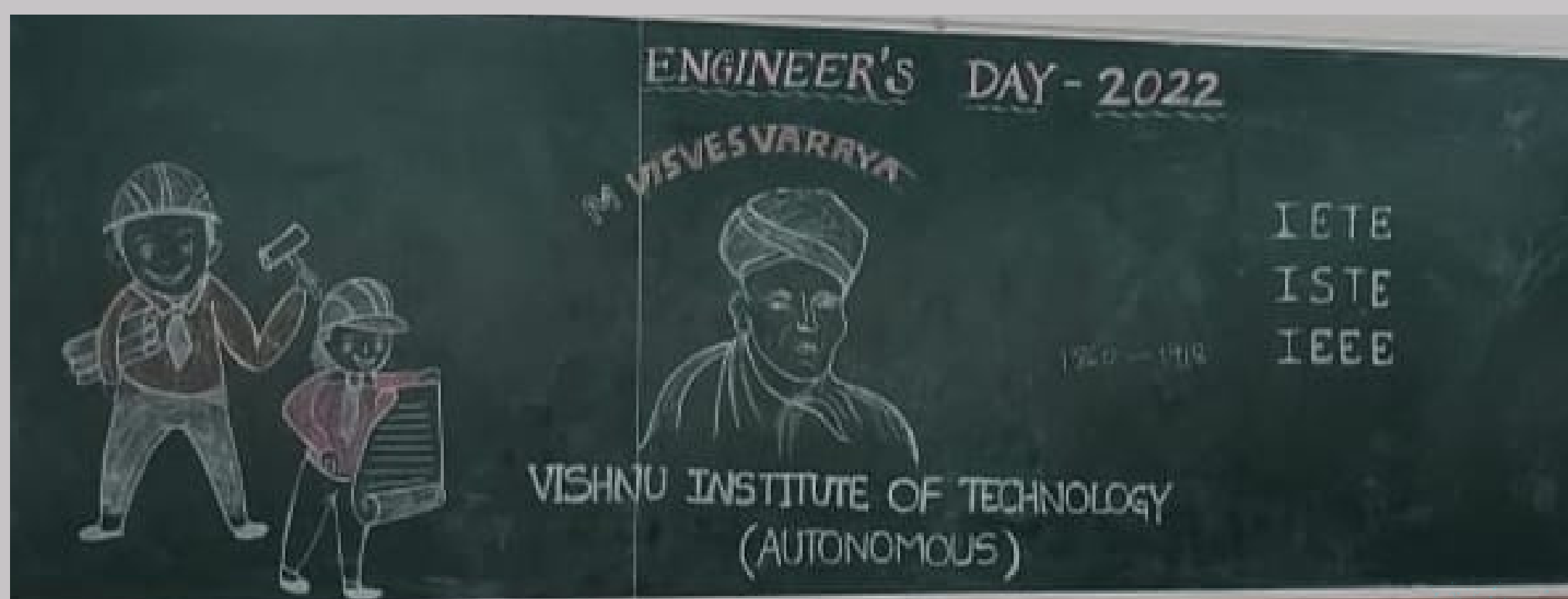




# ART WORKS



Leaf Art by:-  
Sai Vamsi  
Kandulapati  
III ECE-B  
20pa1a0467



Art by:-  
Vamsi - 20pa1a467  
Sowmya - 20pa1a0459  
Hema - 21pa5a0420  
-III ECE



# Student

# Achievements

M. Srihari - 20PA1A0491  
M. Pavan - 20PA1A0489  
V. Sandeep Kumar - 20PA1A4G7  
G. Abhishek - 20PA1A0442  
T. Yuvaraj - 20PA1A4F4

5 students from III ECE have successfully completed their internship at Nokia Solutions Network Pvt. Ltd during 17th August 2022 to 16th September 2022.

4 students from IV ECE are offered internship at IIT Hyderabad Research Centre based of Futute Wireless Communications with a stipend of Rs.30,000/-

19PA1A405 - A. Sai Kumar  
19PA1A0410- A. Ajay  
19PA1A04E9 - S. Ahmed  
19PA1A04H3 - V. Bavya Sri

Shaik Farid - 19PA1A04E8 of IV ECE got an opportunity to work as an intern for the company CORIOLIS TECHNOLOGIES

**Company name : Coriolis Technologies**  
**Duration : 1 Year(September to July)**  
**Stipend : Rs. 20, 900/- till December, after that Rs. 24,500/-**  
**Selection through : Elitmus**



# PLACEMENTS

## 2022-23

\*As of 29-09-2022

**HIGHEST PACKAGE :**

**13.5 LPA**  
(PROVIDENCE)

19PA1A04F2

Sushma Sri Konatala

**AVERAGE PACKAGE :**

**4.95 LPA**



19PA1A04F2

Sushma Sri Konatala

## OFFERS

\*Till Date

**Above 10 LPA : 12**  
**Above 7 LPA : 26**  
**Above 5 LPA : 44**  
**Above 3 LPA : 138**

**Placed students: 128**  
**Total offers: 220**

Name	Roll. No:	Company	Package(LPA)
K. Sushma Sri	19PA1A04F2	Providence	13.5
J. Ramanjaneya Reddy	19PA1A0466	EPAM	12
K. Yasoda	19PA1A0473	EPAM	12
B. Ganesh	20PA5A0403	EPAM	12
A. B. S. Sailesh	19PA1A0412	Brillio	10
Ch. Gopi Saiteja	19PA1A0432	Brillio	10
D. Yuva Teja	19PA1A0439	Brillio	10
K. Sumanjali	19PA1A0478	Brillio	10
V. Mahita	19PA1A0495	Brillio	10
G. Pardhu	19PA1A04C7	Brillio	10
S. Kareem	19PA1A04E7	Brillio	10
B. Ganesh	20PA5A0403	Brillio	10

## 75% PLACED



# Editorial Board



**Dr. N. Padmavathy**  
Professor



**Mr. B. Prudhvi Raj**  
Assistant Professor

## student members



**N. Meghana**  
20PA1A04B3



**K. Mamatha Jyothsna**  
20PA1A0477



**A. Pavan Teja**  
20pa1a0405



**M. Karthikeya**  
20PA1A092



**M. Amrutha**  
20PA1A04A5



**Md. Fatima**  
20PA1A0498



**V. Uma Vyshnavi**  
20PA1A04G5



**S. Anantha**  
20PA1A04D5

**V. Mahita**  
19PA1A0495

**V. Bavya Sri**  
19PA1A04H3

**M. N. Nirupam**  
19PA1A0496

**K. Subbaramireddy**  
19PA1A0484

**M. Sriram**  
19PA1A04B0

**N. Syamkumar**  
19PA1A04B7

**M. Jagadeesh**  
19PA1A04A9

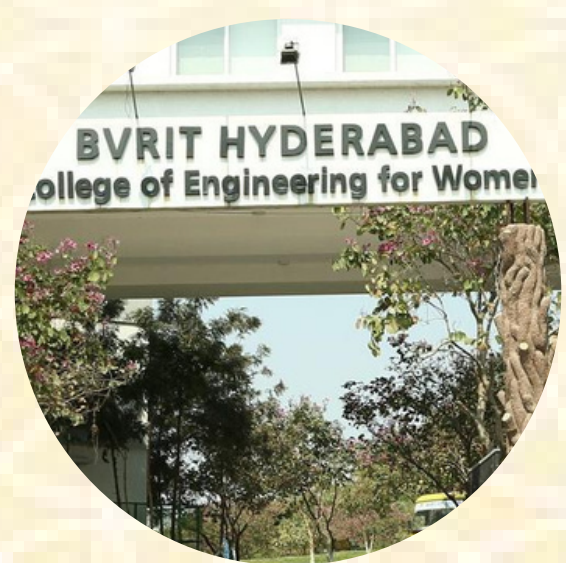
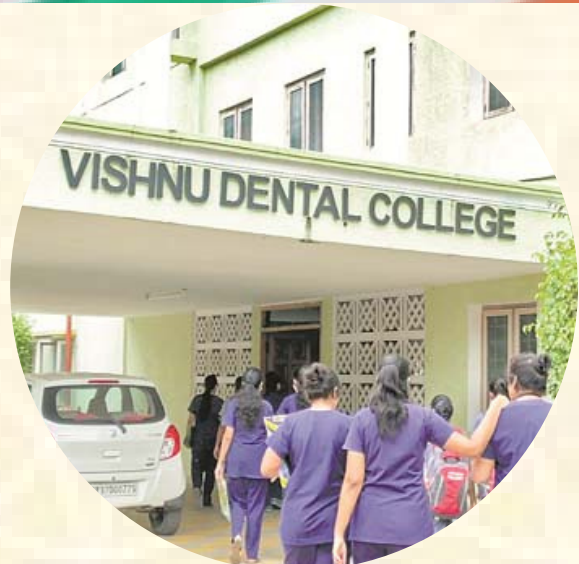
**N. Sandeep**  
19PA1A0B6

**B. Uday**  
19PA1A0420

**A. Ajay**  
19PA1A0410

**Shaik Ahmed**  
19PA1A04E9





**Padma Bhushan Dr.B.V.Raju  
&  
Smt. B. Seetha Devi**

**"Serve humanity in your Capacity"**

