VISHNU UNIVERSAL LEARNING
BVRIT H
Estd. 2012

BVRIT HYDERABAD College of Engineering for Women
(Autonomous)

Department of Electronics and Communication Engineering

Communication
Electronics & Engineering
EleCtro Elitz

About the Department

The Department of ECE was established in the year 2012 with an intake of 60, and could procure extension of intake to 120 from the academic year 2014-15. The department is supported by well experienced Faculty who are diversified in various domains like Communications, Signal Processing, VLSI and Embedded systems. Dr. Nagesh Deevi is heading the department since from 18th June 2024 and he has 8 years of teaching experience and his area of interest is RF-VLSI. Labs are well equipped and established not only to serve the purpose of the prescribed curriculum but also to take up innovative projects by the students to meet the societal needs. Students are greatly encouraged to participate in various Hackathons throughout the country. Department is accredited by NBA in 2018 for three years and reaccredited in 2022 for three more years college was accredited by NAAC with 'A' grade, ranked 201-250 in NIRF-2021 and Band Promising in ARIIA 2021.

ECE

TO EMERGE AS A CENTRE OF ACADEMIC AND RESEARCH EXCELLENCE IN ELECTRONICS AND COMMUNICATION ENGINEERING AND CREATE GLOBALLY COMPETENT WOMEN TECHNOCRATS WITH A HIGH DEGREE OF SOCIAL CONSCIOUSNESS IN A HOLISTIC LEARNING ENVIRONMENT.

To provide quality education to the students with emphasis on training related to latest technologies as per industrial needs.

To impart research culture, professional ethics and moral values to the students by committed and competent faculty striving for excellence

To inculcate a perceptive alacrity in students to identify real life problems, formulate strategies and evolve into contextually effective solutions.

MISSION

Program Specific Outcomes (PSOs)

The graduates of this program will be able to

PSO-1: Provide optimized solutions for digital, signal processing and communication systems.

PSO-2: Develop compact, energy efficient and low cost products to assist the differently abled people.

Program Educational Objectives (PEOs)

After three to six years of graduation, the graduates of this programme will be able to

PEO-1: Excel in contemporary problem solving in Electronics and Communication Engineering and the allied fields through the knowledge-based provided by the program.

PEO-2: Demonstrate their technical, communication and leadership skills in professional environment or as entrepreneurs with social responsibility.

PEO-3: Analyse the latest issues and technology growth in the field of Electronics and Communication Engineering and update their knowledge and skills accordingly through continuous learning.

PEO-4: Demonstrate ethical and human values in multicultural and multidisciplinary environments.

COLLEGE ACHIEVEMENTS

- BVRIT HYDERABAD RECEIVED 3.5 STAR RATING IN IIC 6.0 - 2023-24 ANNOUNCED ON 16TH JAN 2025

- BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN RECEIVED THE FOLLOWING 3 AWARDS FROM PALS ON 20TH JUNE 2025.
  INNOWAH 2024-25 – SOCIAL PROGRESS CATEGORY WINNER
  OUTSTANDING PERFORMANCE & PROUD PARTNER RECOGNITION INSTITUTE

- WOMEN'S DAY CELEBRATIONS WAS CONDUCTED ON 10TH MARCH 2025. MS. MANGALA MANI, 1ST WOMEN SCIENTIST AT ISRO, MS. VAGDEVI, SINGER (TELUGU INDIAN IDOL) WERE THE INVITED GUESTS.

- SIGNED MOU WITH QNX ON 10TH APRIL TOWARDS TRAINING FACULTY AND STUDENTS ON EMBEDDED SOFTWARE DEVELOPMENT.

- TED^{X} – ECHOES OF THE UNSAID WAS CELEBRATED ON 11TH APRIL 2025.9 SPEAKERS DELIVERED THE TALK

- BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN RANKED "AAAA" IN CAREER 360 DEGREE RANKINGS.

- BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN RANKED 63 IN DATAQUEST – T SCHOOL 2025 BVRITH RANKED 165 IN THE WEEK RANKINGS 2025.

>>> FACULTY ACHIEVEMENTS

Dr. Anwar Bhasha Pattan, Professor has become the IEEE R10 ACEI Entrepreneurship Ambassador. He received a certificate of appreciation from IEEE Hyderabad Section for his support and guidance to the student during 20 weeks long Internship as part of The IEEE Hyderabad Section Mentorship Programme 2024. He also performed best in NPTEL courses and for his remarkable achievement he received NPTEL Motivated Learner during Jan - Apr 2025.

Mr. N.M. Sai Krishna, Assistant Professor, received the best faculty award from the honorable Vice Chairman Sri. Ravi Chandran Raja Gopal on the occasion of Annual day celebrations.

Dr. V. Santhosh Kumar, Associate Professor, guided the winning students team of PALS INNOWAH! 2024 - 25 conducted at IIT, Madras, Chennai.

Mr. N. Sreenivasa Rao, Assistant Professor, performed best in the NPTEL courses and have become NPTEL Discipline Star during Jan - Apr 2025.

>>> FACULTY ACHIEVEMENTS

Ms. M. Praveena, Associate Professor, ECE, performed best in NPTEL courses "Microprocessors and Interfacing" and received - Gold certificate, "Real Time Operating Systems" and received Silver certificate and she is the one of toppers of both courses during Jan - April 2025.

Dr. L. Bhargava Kumar, Assistant Professor, performed best in NPTEL course "Enabling Technologies for 6G Communications Networks (Hindi)" and one of the toppers of the course.

Ms. G. Rama Lakshmi, Assistant Professor, performed best in NPTEL course "Educational Technology and ICT" and one of the toppers of the course.

Mr. Sai Kumar Tara, Assistant Professor, was the chief guest for E-jigyasa 2025 conducted at JNTUH in association with IEEE Hyderabad Section SAC and IEEE JNTUH Student Bracnch.

EVENTS CONDUCTED

DRONE TECH WORKSHOP
JAN. 6-8, 2025

A three day hands on workshop was conducted from 6th to 8th January, 2025 on "Drone Technology" by the Drone technology lab in association with Binford Research labs private limited. During the day 1 and 2 of the workshop students learned theoretical Aspects of the Drone, Calculations, Dissemble and Assemble of Drones. Day 3 concluded with the Working with Mission Planner, programming, and Piloting concepts. The students got the exposure toward the applications of drones in various industries such as aerial mapping, surveillance, agriculture, online product delivery and the war fields.

Coordinator:
Dr.V.Hindumathi
Dr. J. Naga Vishnu Vardhan

Resolute Company Visit

JAN. 29, 2025

The faculty of ECE **Dr. T. Thammi Reddy** and **Mr. T. Sai Kumar** visited the Resolute company located at Fab City, Hyderabad, on 29th January, 2025. During the visit the faculty had discussions with the company professionals regarding their technology and innovations. The visit provided valuable insights into real-world applications of software development, project management, and client solutions. Interactions with the company's professionals helped faculty to understand current industry trends, work culture, and the expectations from future engineers. It was an inspiring and informative experience. The faculty got a chance to visit their laboratory and came to know what kind of operations are going on towards the semiconductors and electronics manufacturing.

EVENTS CONDUCTED

IOT WORKSHOP

FEBRUARY. 21 , 2025

The MATLAB Chapter at BVRIT Hyderabad College of Engineering for Women successfully organized an IoT Workshop on February 21, 2025. The event provided a platform for students to gain practical insights into IoT applications using MATLAB, Simulink, and ThingSpeak. The workshop was conducted by esteemed experts Dr. Pradnya Gaonkar and Ajay Kumar Talluri, who guided the participants through theoretical concepts and hands-on activities.
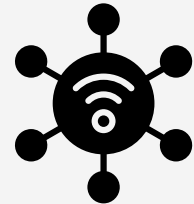
IOT WORKSHOP UNDER MATLAB CHAPTER

Coordinators:

Dr. V. Santosh Kumar

Dr. M. Ranjeeth

Dr. L. Bhargava Kumar

INTERNET OF THINGS
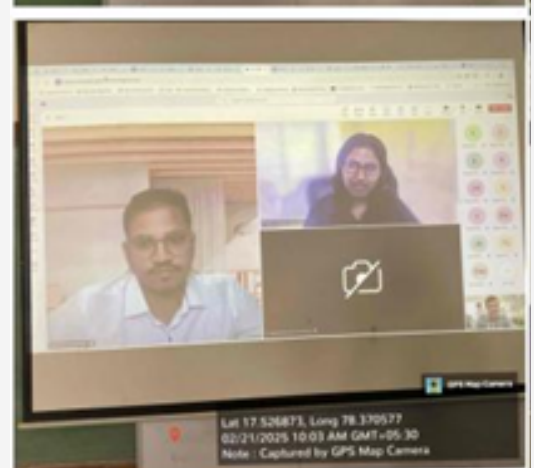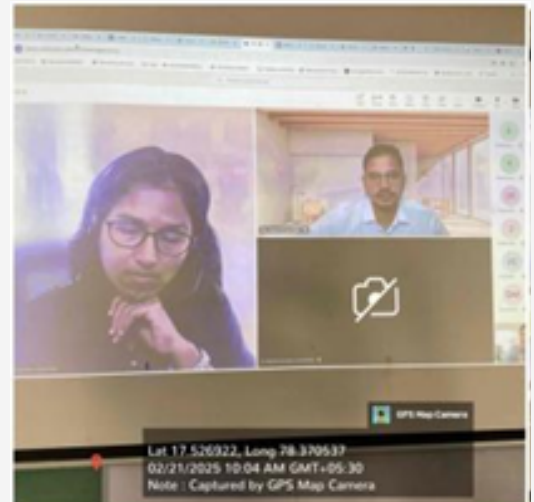
Women's Day Celebrations

MARCH. 08 , 2025

EVENTS CONDUCTED

SYNERGIA

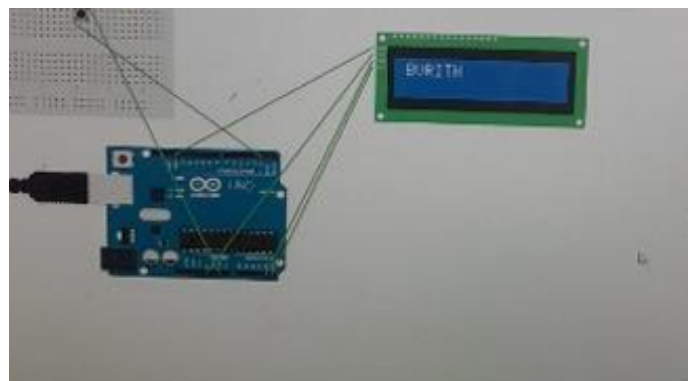APRIL 2 - 4, 2025

INNOVATIVE CIRCUIT LEAGUE

The event is based on circuit building and getting output response for the given problem statement using online simulator tool Tinkercad. Students were registered as teams of 2 to 3 members. It consists of three rounds of evaluation, first round is quiz round, asked the questions based on technical knowledge, second round is ppt round asked for placing the components on the simulator editor. The third round consists of building the circuit for the given problem statement. The event is started on 2'd April, 2025 by 10.30AM. Final evaluation was done by external and internal jury members, and selected three top score teams
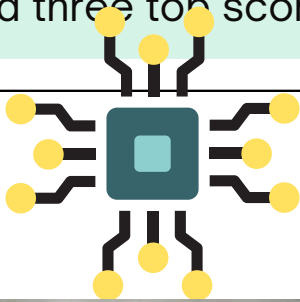
Co-ordinators:
Dr.M.Parvathi
Dr.V.Hindumathi

EVENTS CONDUCTED

SYNERGIA

APRIL 2 - 4, 2025

POTTERY

The Pottery Workshop was a creative, hands-on event held for a single day, designed to introduce participants to the fundamentals of pottery-making. Throughout the session, students explored basic clay molding techniques, such as pinching, coiling, and slab-building, under the guidance of pottery experts. Participants had the opportunity to create their own clay pots, decorative plates, and other artistic pieces, experiencing the therapeutic and meditative nature of working with clay.

Coordinator:
Ms. R Sahithi

EVENTS CONDUCTED

SYNERGIA

APRIL 2 - 4, 2025

THANDAV

This event is a dance competition, conducted for three categories which are classical, western and hip-hop. The participants are given evaluation parameters for both classical and western performances that are theme, performance, aaharyam, stage use, highlights, dressing style.

Coordinator: Dr. M. Parvathi

EVENTS CONDUCTED

SYNERGIA

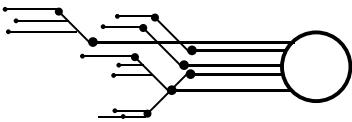APRIL 2 - 4, 2025
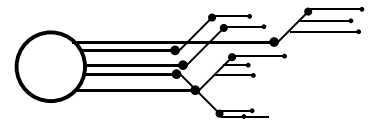
THANDAV

EVENTS CONDUCTED

SYNERGIA

APRIL 2 - 4, 2025

HACK4SDGS

Hack4SDGs 2025, a student-led hackathon under the IEEE Student Chapter at BVRITH, was held on 2nd April 2025 as part of Synergia 2025. The event aimed to inspire young innovators to develop tech-driven solutions aligned with the UN Sustainable Development Goals (SDGs). It provided a platform for collaboration on impactful software and hardware projects addressing global issues like climate action, clean energy, smart cities, healthcare, and education. Emphasizing real-world impact, the hackathon encouraged practical and sustainable innovations.

Coordinators:
Mr. R. Priyakanth
Mr. N. M. Sai Krishna

Hyderabad,Telangana,India
Whisper Valley Street, Bachupally, Hyderabad,
Telangana 500090, India

ECE FACULTY AT SYNERGIA

STUDENTS @ SYNERGIA

STUDENTS @ SYNERGIA

EVENTS CONDUCTED

DRONE EXPO

APRIL 24-26, 2025

The students of ECE department attended "Drone Expo - 2025" conducted at HITEX Exhibition Centre, Hyderabad from 24th to 26th April, 2025. During the visit, the students explored the drone & UAV industry and the latest trends, equipment, tools & accessories and Services. The students understood the market competition, building brand awareness, and new products launched in the domain. The Student got an opportunity to meet the industry professionals and see their great ideas the drone industry. This provides a formal platform for students to gain knowledge, present their concepts, and connect with industry professionals.

Coordinator:
Dr. J. Naga Vishnu Vardhan

EVENTS CONDUCTED

INSIGHTS ON PATENTING FOR ACADEMIC INSTITUTIONS

APRIL. 25, 2025

As part of world IP day the Institution Innovation council and Entrepreneurship Development Cell conducted a session on "Insights on Patents for Academic Institutions" on 25th April, 2025. Ms. Sravanthi Vedula, Associate Manager (Innovation Management), ICRISAT, Hyderabad graced the occasion as chief guest and discussed about the necessity of patenting an idea, the role of IPR in the startups, patents registration process also she discussed about various case studies in IPR.
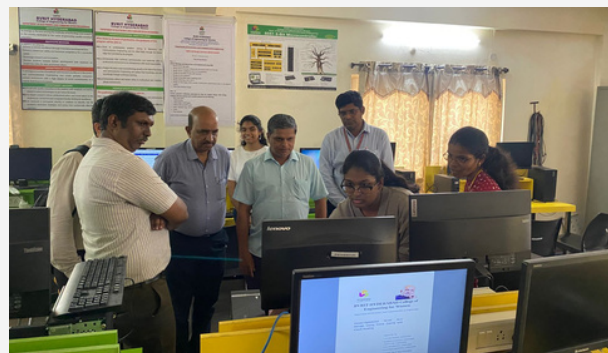
Coordinator:
Dr. Viswanadham R

UNDER IIC & EDC

INTERACTIONS WITH INDUSTRY EXPERTS

As part of an industry-academia collaboration, professionals from Capgemini and QNX visited the department's Assistive Technology Laboratory, as well as the VLSI & Simulation Labs. They interacted with faculty about ongoing projects and various technical training initiatives. These include Domain-Specific Training in VLSI using Synopsys, MATLAB sessions on Image Processing, Communication Systems, Simulink, and App Designing, training programs in collaboration with HCL, and Binford Research Labs Pvt. Ltd. The visit emphasized the department's focus on practical, industry-relevant education and innovation.

CAPGEMINI & QNX VISITS ATL

EVENTS CONDUCTED

SANKRANTHI SAMBARALU   JANUARY. 10, 2025

BVRITH hosted Sankranthi Sambaralu on the occasion of the Sankranthi festival. As part of this, faculty coorinators from all the departments initiated various events such as 3D model making, Kite decoration, Mehindi competition, and Rangoli competition. Students took part of all the events and made the festival remarkable and memorable.

SANKRANTHI SAMBARALU
Convenor: Ms. K. Brunda Devi

EVENTS CONDUCTED

Sankranthi Sambaralu

ACADEMIC TOPPERS

>>> STUDENT ACHIEVEMENTS

Congratulations

**MS. B. HARINI
(21WH1A04B9)**

FOR RECEIVING

**YOUNG PROMISING
ENGINEERING AWARD
2025**

Congratulations

GATE–2025
QUALIFIED STUDENTS

**NAME: M LAKSHMI JYOTHIRMAI
ROLL NUMBER: 22WH1A0468
GATE SCORE: 370
ALL INDIA RANK: 8825**

**NAME: J SAI PREETHI
ROLL NUMBER: 21WH1A04C3
GATE SCORE: 350
ALL INDIA RANK: 10284**

**NAME: MD SHAZIYA
ROLL NUMBER: 21WH1A0420
GATE SCORE: 330
ALL INDIA RANK: 12100**

>>> STUDENT ACHIEVEMENTS

Congratulations

GATE–2025 QUALIFIED STUDENTS

NAME: V KAVITHA
ROLL NUMBER: 22WH1A0475
GATE SCORE: 280
ALL INDIA RANK: 19037

NAME: R AMRUTHA LASYA
ROLL NUMBER: 21WH1A04B5
GATE SCORE: 276
ALL INDIA RANK: 19762

NAME: K ANUSHA
ROLL NUMBER: 21WH1A0411
GATE SCORE: 264
ALL INDIA RANK: 22210

NAME: G MADHURI
ROLL NUMBER: 21WH1A0432
GATE SCORE: 252
ALL INDIA RANK: 24899

A team from III ECE-B, G. Poojitha (22WH1A0474), S. Anjani Suta (22WH1A04A6), and Ch. Jyothirmayee (22WH1A04A0), participated in designed a wearable safety device — compact, discreet, and efficient — in the form of a locket or accessory to avoid drawing the attention of potential attackers during the event DevAstra - 2K25 conducted on 12th March 2025, at BVRITH, and stood runners up with a cash prize of Rs. 10,000.

>>> STUDENT ACHIEVEMENTS

A team from III ECE-B, K. Geethika Chowdary (22WH1A0497), L. Harshitha (22WH1A0494), D.S.S. Lahari (22WH1A04A3), V. Shivathmika (22WH1A0486), and P. Shivani (22WH1A0491), participated in developing a smart Yoga mat called "YOGIC" under the Social Progress category at IIT, Madras, on 22nd March, 2025 and were the winners with a cash prize of Rs. 15,000.

A team from III ECE-B, G. Poojitha (22WH1A0474), S. Anjani Suta (22WH1A04A6), and K. Aashritha (22WH1A0483), participated in developing a low-power automotive cabin monitoring system using the Infineon TC334 microcontroller on 2nd March 2025, at CIT, Chennai, and stood runners up with a cash prize of Rs. 10,000.

Ms. Rishitha M (22WH1A0460) from III ECE A, founder of RAKSHA HYGIENE PRIVATE LIMITED, was selected for the finale of Innopreneurs Global Contest Season 11 in the Idea Track, ranked among the top 500, and won 3rd place with a certificate, $10,000 in AWS credits, and ₹1 lakh in Zoho credits.

A team from III ECE-B, P. Jhansi (22WH1A0498), and A. Sarayu (22WH1A04B4), participated in "Design Thinking Day 'CAUSE 2025' A Global Open Innovation Challenge", organized by Department of Common Core Curriculum held during 16th & 17th April, 2025 and won "Spirit of Innovation" Award for show casing project on Seizure detection and monitoring.

A team from II ECE-A, S. Cynthana (23WH1A0419), B. Thanmayee (23WH1A0424), K. Vishalakshi (23WH1A0415), and C. Kavya (23WH1A0403), participated in an Arduino Days 2025 A 2-Day workshop and Hackathon at BVRIT, Narsapur and won 1st prize. They worked on a project and they built it successfully and won cash prize of cash Rs. 1000.

>>> STUDENT ACHIEVEMENTS

A team from II ECE-A, P. Hasini (23WH1A0462), P. Sahasra (23WH1A0412) and S. Sri Harshini (23WH1A0455), participated in 2nd Hackathon in conjunction with the 21" International Conference on Distributed Computing and Intelligent Technology, held from January 8th-11th, 2025 organized by the School of Computer Engineering, Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar, India, and stood 1st runner up with a cash prize of Rs. 10,000.

>>> STUDENT INTERNSHIPS

56 students of ECE has got onboarding and online internship opportunity for the academic year 2024-25. The internships were provided by the prestigious academic organizations/companies that include IIIT - Hyderabad, ISRO - Bangalore, HAL, Open text, Synopsys, Cognizant, Oracle, Acquisition, Agnirva, PALS, Innominds Software Pvt. Ltd., and Viswam.AI
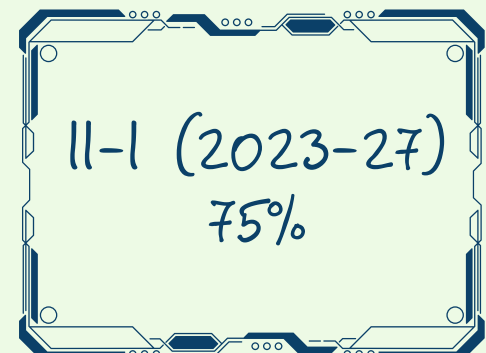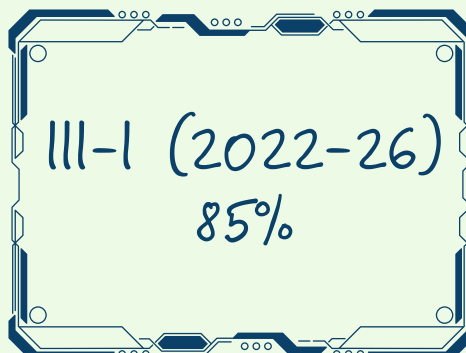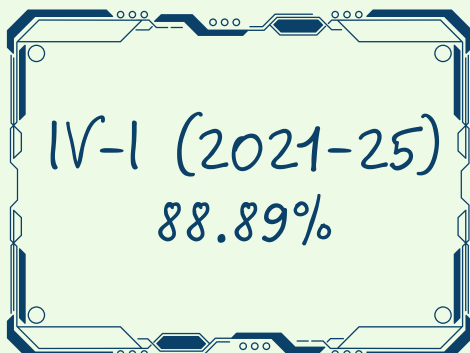

R. HARINI PRIYA (21WH1A0453)

P. JAHNAVI (21WH1A0499)

SYNOPSYS
PACKAGE: 40 K/M

>>> RESULT ANALYSIS (A.Y.2024-25) <<<

IV-I (2021-25)
88.89%

III-I (2022-26)
85%

II-I (2023-27)
75%

PLACEMENT

Achievements

Congratulations

M. JAGRUTHI
(21WH1A0401)

STATE STREET
PACKAGE: 11 LPA

G. MADHURI
(21WH1A0432)

OPTUM
PACKAGE: 21.22 LPA

M. LAASYA
(21WH1A0464)

OPEN TEXT
PACKAGE: 11 LPA
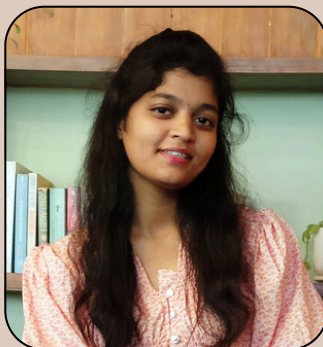
A. VARSHINI
(21WH1A0484)

SYNOPSYS
PACKAGE: 20 LPA

M.G. SARITHA
(21WH1A0491)

SYNOPSYS
PACKAGE: 20 LPA

PLACEMENT

Achievements

Congratulations

P. UMAMAHESWARI
(21WH1A04A2)

**OPTUM
PACKAGE: 21.22 LPA**

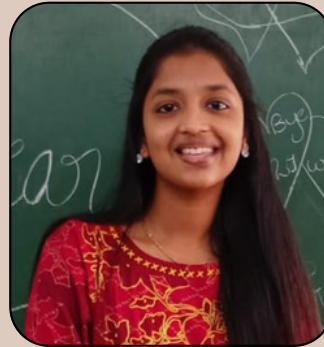D. HARINI
(21WH1A04B9)

**OPTUM
PACKAGE: 21.22 LPA**

V. LALITHA
(21WH1A04C0)

**SYNOPSYS
PACKAGE: 20 LPA**

K. SRINITHYA
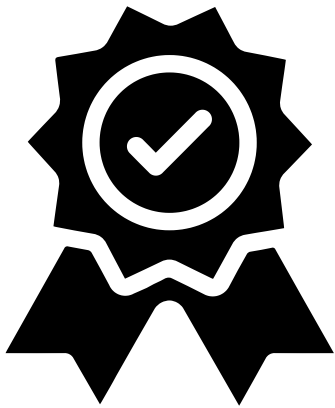(21WH1A04C4)

**OPTUM
PACKAGE: 21.22 LPA**

G. VENNELA
(21WH1A04C5)

**SWISS RE
PACKAGE: 14.6 LPA**

and many more...

YEAR WISE TOPPERS

IV YEAR — I SEM (2021-25)

Roll Number	Name	CGPA	Rank
21WH1A0441	B Madhavi	9	1
21WH1A04B9	D Harini	8.81	2
21WH1A04C0	Lalitha Vatsavai	8.81	2
21WH1A04C5	G Vennela	8.71	3

III YEAR — I SEM (2022-26)

Roll Number	Name	CGPA	Rank
22WH1A0472	B Indhu Priya	9.15	1
22WH1A0477	M Sravani	9.15	1
22WH1A04B6	T Manyasri	9.15	1
22WH1A0413	Ch Nandhini	9	2
22WH1A0439	K Lakshmi Durga	9	2

II YEAR — I SEM (2023-27)

Roll Number	Name	CGPA	Rank
24WH5A0404	Y Jyothi	9.7	1
23WH1A0419	S Cynthana	9.55	2
23WH1A0462	P Hasini	9.4	3
23WH1A0463	P.Nikhila	9.35	4
24WH5A0402	B Supriya	9.35	4

EDITORIAL TEAM

Dr.L.Bhargava Kumar,
Asst. Professor,
Dept. of ECE,
BVRITH.

I. Mounika
(23WH1A0492)

K. Sphoorti
(23WH1A0494)