NEWS LETTER śruti

Department of Electronics and Communication Engineering

BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN,
RAJIV GANDHI NAGAR ROAD, BACHUPALLY-500090

REPORT	JANUARY-2023

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 i.e., 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. Anwar Bhasha Pattan is heading the department since from 15th June 2020 and he has 16+ years of teaching experience and his area of interest is VLSI and Embedded Systems. 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-2022 and Band Promising in ARIIA 2021

Vision

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.

Mission

➢ 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.

Programme Educational Objectives (PEOs)

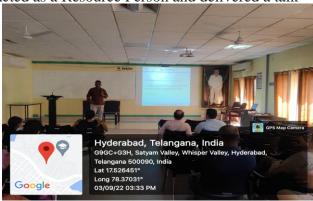After three to six years of graduation, the graduates of this programme will be able to

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

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

➢ **PEO-3:** Analyze 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

1. BVRIT HYDERABAD ranked in the band 201-250 in NIRF-2022
2. BVRITH ranked 151 under Engineering Colleges – All India by The Week
3. BVRITH ranked 60 by Data Quest T School 2022
4. BVRIT HYDERABAD rated as 4 Star (Gold Band) in India for delivering commitment to the stake holders in Stakeholders Sentiment Survey 2022 by R World Institutional Ranking on 6th Oct 2022

College Events

1. A Session on Funding Opportunities for Extramural R&D by Dr Prasada Raju, Former Scientist, Dept. of DST was conducted on 26th August 2022

2. Session on Blooms Taxonomy for faculty was conducted on 3rd Sep2022. Dr Anwar Bhasha Pattan acted as a Resource Person and delivered a talk

3. Decennial Celebrations were conducted from 20th to 22nd Oct 2022. Mr K Narendra, Site-Leader & Director, Customer Success, Synopsis was the chief guest and Ms. Trishna Shah, Principal PM Lead, Microsoft was the guest of Honor

4. WISE Decennial was celebrated on 22nd Oct 2022. Team from Talent Sprint was invited.

5. 7th Graduation Day was celebrated on 23rd Oct 2022. Dr B S Murthy, Director, IIT Hyderabad was invited as Chief Guest.

6. Session on Medical Devices was conducted on 25th November 2022. Dr Gayathri, Gynaecologist and Mr. Krishna Sai, Industrial Engineer visited BVRITH and delivered a talk on the topic mentioned.

7. Workshop on Women in Sensors (Security and Health) under IEEE Sensors Council Hyderabad Chapter was organized on 16th & 17th Nov 2022

Faculty Achievements / Honors

4. Dr J Naga Vishnu Vardhan was invited as a speaker to present on the topic –Knowledge Sharing Session and Sustaining I&E Ecosystems in HEIs in IIC Regional Meet – Telangana on 12th August 2022

5. Mr. T Sai Kumar delivered a talk on Emotional Intelligence in Leadership at IEEE KITS SB under National Level Technical Symposium; Sumshodhini 2022 at KITSW

6. Mr Thammi Reddy, Assoc. Prof, ECE was awarded with Ph.D on 27th Dec 2022

Patents Published

Performance of multicarrier modulation techniques with and without proposed MELS channel estimation method.
Ms. Shaik Nilofer, ECE & Ms. Manju P, ECE
Application no: 202211040825
Published date: 22.07.22

System and Method for monitoring Intravenous fluid level in an intravenous bottle
Mr R Priyakanth, Mr N M Sai Krishna, Dr J Naga Vishnu Vardhan, Mr. G Srinivasa Rao, Mr Prasad and Students team
Application No: 202241054645
Date: 23-09-2022

IoT based device and method for detecting baby's cry and reason behind the baby's cry
Mr R Priyakanth, Mr N M Sai Krishna, Mr. G Srinivasa Rao, Mr Prasad and Students team
Application No: 202241055809
Date:28-09-2022

System and Method for Preparing Compost from Food Waste
Mr R Priyakanth and Mr N M Sai Krishna
Application No: 202241062017 (Idea Patent)
Date: 31-10-2022

A Magneto Sensitive Assembly For Interactive Electronic Devices
Dr. V. Santhosh Kumar,Dr. V. Hindumathi
Application Number – 202241059111
Date: 28/10/2022

Efficient Deep Image Compression System with Auto-Encoders for Different Sub- Band Frequencies
Application Number – 202241065491
Published – 25/11/2022
Applicants- Mr.Saikumar Tara

Events conducted

1. Developments in Integrated Photonics and Optical Sensors by Prof Ghanshyam Singh, Professor, MNIT, Jaipur under IEEE SB Udbhava on 27th August 2022

8. On the occasion of Engineer's Day Celebrations, Department of ECE organized two events – Prashnothari-X and The Circuiter

9. On the occasion of Innovation day, Department of ECE organized an event – Innolouge

10. Qualcomm mentorship program was conducted for IV B.Tech

11. Department of ECE, BVRIT HYDERABAD conducted FDP on AI/ML for Computer Vision and Medical Image Analysis Applications from 3rd to 13th Dec 2022 in association with E & ICT Academy, NIT Warangal. Dr V Santhosh Kumar and Dr V Hindumathi organized this event.

12. Guest lecture on "Chip Design Flow" by Mr. K Narendra & Mr. Balakrishna G from Synopsys India was conducted for III year & IV year ECE students on 16th Dec 2022.

7. Department of ECE conducted quiz and Posters Presentation on the topic "Evolution of Transistor" under IEEE SB on the eve of **75 Years of Evolution of Transistor**

Students Achievements

1. Ms. Ch. Sowmya of 18WH1A0419 received "2" University Gold Medals – Best Outgoing Student of B.Tech Electronics & Communication Engineering out of all affiliated Colleges and Pisupaati Supriya Desai Gold Medal for B.Tech Electronics & Communication Engineering in JNTUH affiliated Colleges

2. Alumni of ECE Ms. Sowmya of 2016-20 batch has **registered for Start up** by name "Avinya Neurotech Private Limited" on 31st Dec 2022.

3. Ms. Y. Grahya (19WH1A0439), Ms. B.Pravalli (19WH1A0460), Ms. D. Vignya Reddy (19WH1A0416), Ms. K. Lakshmi Deepika (19WH1A0419) have been shortlisted for the second round of Youth for Social Impact organized by TSIC

4. Pravali Bura (19WH1A0460) of III ECE has been rewarded with Rs.5000/- for Best Pitch Deck prepared as a part of a 3-week Pre-incubation program conducted by AIC ALEAP WE-Hub supported by AIM, NITI AAYOG, GoI. She has successfully completed this Pre-incubation program.

5. Y.Grahya(19WH1A0439), K.Lakshmi Deepika (19WH1A0419), D.Vignya Reddy (19WH1A0416) and B.Pravali (19WH1A0460) of IV ECE have been shortlisted as top 10 teams among 862 total ideas submitted in Youth For Social Impact and have attended the first session on 14th October 2022 of their 4-week journey in this contest. Mr. R. Priyakanth, Associate Professor, ECE also attended the event

6. BVRITH Stood as the winners in TALScous – Transformers 2022 in Social Advocacy Track Project: "We Pay –Let's grow Together"
   Team:
   Ms. Y Grahya – 19WH1A0439,
   Ms. Amulya Kasu – 19WH1A0446
   Ms. M Sravani – 19WH1A0407,
   Ms. D Harshitha – 19WH1A0408
   Mentors:
   Mr R Priyakanth and Mr N M Sai Krishna

7. III B.Tech ECE Students Ms. J Hema Sree (20WH1A0405) and Ms. Sehaba Banu Shaik (20WH1A0437) received First Prize (Rs. 7000) in SMART SRM Hackathon 2022 organized as a part of International Conference on Electronic and Photonic Integrated Circuits at SRM University. **Mentors**: Mr R Priyakanth and Mr N M Sai Krishna

RESULT ANALYSIS   (A.Y 2021-22)

83.20% - IV-II **(2018-22)**
78% - III-II **(2019-23)**
96.04% - II-II **(2020-24)**

Year Wise Toppers

IV Year –II Sem (2018-22)

	Roll. No	Name	CGPA	Position
Section A				
1	18WH1A0419	Chinthamaneni Sowmya	8.88	1
2	18WH1A0440	Bachu Manasa	8.88	1
3	18WH1A0416	Gogisetti Divya	8.69	3
Section B				
1	18WH1A0470	Vemula Sravya	9.06	1
2	18WH1A0461	M Jhahnavi	8.69	2
3	18WH1A0467	K Lakshmi Prasuna	8.69	2
4	18WH1A0479	Roshini Talluru	8.69	2
5	18WH1A0485	Imadabathuni Tanmayee	8.69	2
6	18WH1A04B0	Patnala Shanmukha Sripriya	8.69	2

III Year –II Sem (2019-23)

S.No	Roll. No	Name	CGPA	Position
Section A				
1	19WH1A0404	Racharla Akshitha	8.05	1
2	19WH1A0453	Karkuri Akhila	7.91	2
3	19WH1A0416	Vignya Reddy Dabbeta	7.86	3
Section B				
1	19WH1A0470	Kacham Akanksha	8.32	1
2	19WH1A0479	Avidapu Srilekha	8.05	2
3	19WH1A0482	Manchiryala Samanvitha	8.00	3

II Year –II Sem (2020-24)

S.No	Roll. No	Name	CGPA	Position
Section A				
1	20WH1A0440	Chimata Abitha	9.19	1
2	20WH1A0405	Jonnalagadda Hemasree	8.86	2
3	20WH1A0444	Gnanaveni Preethika	8.76	3
Section B				
1	20WH1A0461	Kankuri Varshitha	9.48	1
2	20WH1A0474	Balijapally Sneha	9.19	2
3	20WH5A0409	Chilakamarti Sai Geethika	8.89	3