



REPORT

JAN-2020

## 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, VLSI and Embedded systems. Dr. J. Naga Vishnu Vardhan is heading the department since its inception and he has 15+ years of teaching experience and his area of interest is signal processing and communications. Labs are 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

### 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.

## Faculty Achievements

Ms. Radha Abburi, Assoc. Prof, ECE received a grant of Rs.3 Lakhs under TEQIP – III from JNTUH for her Project Pre-Clinical Investigation and design of real time fetal monitoring device using non-invasive method

Mr. K. Mahesh Babu, Assoc. Prof, ECE, BVRITH received Best Faculty Award on 2<sup>nd</sup> October 2019 by Indian Servers organized at VR Siddhartha Engg. College, Vijayawada

Mr. R. Priyakanth and Mr. M Sai Krishna attended Young Scientist Conference at Kolkata from 5<sup>th</sup> to 7<sup>th</sup> Nov 2019 and presented the projects

- Electro Mechanical Scribe for Visually Challenged or Impaired
- Solar Based Traditional farm tools machine for easy farming

## Events conducted

- Department of ECE conducted boot camp Fun with Electronics for 3 Days from 28<sup>th</sup> to 30<sup>th</sup> May 2019.



- Department of ECE Organized Prashanathari – VII – Quiz Competition on 18<sup>th</sup> Sep 2019 on behalf of Engineers Day Celebrations. Ms. Madhavi and Ms. Prashanti, faculty of ECE organized the event



- Chandrayana – 2 Launch Live Session is conducted for the faculty and students of BVRITH on 22<sup>nd</sup> July 2019.



- Organized the Events – Poster Making – Success Stories of ISRO and 3D Making of Space Concepts by Dept. of ECE, BVRITH on 1<sup>st</sup> October 2019 due to Space Week Celebrations. Mr. Siva SankarVarma and Mr. Venkatesh, Faculty of ECE organized this event under IEEE SB



- Poster presentation on Role of Machine Learning and Artificial Learning in the development of Society was conducted on 29<sup>th</sup> Oct 2019 on behalf of 66<sup>th</sup> IETE Foundation Day celebrations. Ms.S. Madhavi, Asst. Prof organized the Event. Winners and Runners received awards from IETE Hyderabad Section on 2<sup>nd</sup> Nov 2019.



- Two Day Workshop on Internet of Things (IoT) using TIVA C Launch pad and CC3100 Bxl by A JeevaPrasanth, Embedded System Engineer, EdGate Technologies was held on 27<sup>th</sup>& 28<sup>th</sup> December 2019. Ms. R. Sridevi and Mr.Y.Anil Kumar, faculty of ECE organized the event



- Department of ECE, BVRITH organized Non-Technical Event Green Flare- Decorative event using plastic and Cardboard Modeling under Department Technical Association Electro Elitz on 26<sup>th</sup> Sep 2019. Ms. Praveena, Ms. G. Rama Lakshmi Coordinated the event



- Organized Three Day FDP on “Machine Learning and Its Applications” by Distinguished AICTE Professor of BVRITH – Prof. GanapathyPande, Head, Electrical Engineering, IIT Bhubaneswar from 28<sup>th</sup> to 30<sup>th</sup> Sep



## Students Achievements

Ms.K.SaiManasa, Ms. N. SaiSnusha and Ms. T.Roshini as a team from II ECE have participated in 36Hr National Hackathon during 27<sup>th</sup> to 28<sup>th</sup> December 2019 organized by CVR College of Engineering as a part of JHUB Hackathon league 2020 and achieved “Consolation Prize” for their project “Agricitease”. This team grabbing consolation prize in this competition got a direct entry into Excite 2020, a summer product engineering workshop organized by JHUB, JNTUH, Hyderabad. In this event a total of 14 students from ECE have participated.



Ms.M.Srija and Ms.D.SaiSowmya as a team from IV ECE have showcased their product “iNethra” and is one of the Finalists all over India in Dr.Pradeep P Thevannoor Innovation Awards during 16<sup>th</sup> to 17<sup>th</sup> November 2019 displayed at SCMS School of Engineering and Technology, Kerala.

Ms. K.Bhavya Sri, Ms.D.Neelima and Ms. M.SatyasaiHarshitha of III ECE as a team has presented their project “Soil Nutrient Survey and Google Map Cartography” and won “Esteemed Speaker” award in GHCI 2019(Grace Hopper Celebration India) organized in Bangalore during 6<sup>th</sup> to 8<sup>th</sup> November 2019 by AnithaB.org in partnership with the Association for Computing Machinery.

Ms.C.JahnaviSaiSirisha, Ms.M.Sarica, Ms.N.SaiChandana and Ms.M.SaiPreethi of III ECE as a team presented their project “Anegoo” and is one of the Finalist all over India in “Buoyanci Innovation Challenge – 2019” with the theme Artificial Intelligence for Health Care organized by Buoyanci. Finale was held on 14<sup>th</sup> October 2019. A total of 23 students from ECE have participated in this challenge.

A total of 10 students in the form of 3 teams from ECE have participated in Hexathon – 24 Hour Hackathon on 19<sup>th</sup> October 2019 organized by Hexagon at Hexagon Capability Center India, Hitec City, Hyderabad.

Ms.M.Srija, from IV ECE and Ms. K.Bhavya Sri, Ms.D.Neelima from III ECE as a team presented their product “iNethra” and is one of the National Finalist in BUILD 2019 (Boeing University Innovation Leadership Development) Program held on 6<sup>th</sup> September 2019 organized by Boeing India.

Ms. M.SaiVilitha, Ms. M.SaiDivya and Ms. K.Divya Reddy of II ECE have participated as a team in ENLITE 2019 during 1<sup>st</sup> to 6<sup>th</sup> June 2019 organized by JHUB, JNTUH, Hyderabad and won III prize for their idea “Posture Detection”.

Ms.M.Srija and Ms.D.SaiSowmya from III ECE and Ms. K.Bhavya Sri and Ms.D.Neelima from II ECE as a team presented their product “iNethra” developed during 22nd May to 29<sup>th</sup> June 2019 under EXCITE 2019 –A Summer Product Engineering Workshop organized by JHUB, JNTUH, Hyderabad. This product stood as one of the “Most Promising Product”. A total of 10 Students from ECE have participated in this program.

Organized 6<sup>th</sup> Series of Medhanvesh –A National Level Students Tech Fest



## Highlights/Seminar/Guest Lectures Conducted

### Industrial Visits

- Dr. J. Naga Vishnu Vardhan, Ms. M. Madhavi, Mr. R. Priyakanth, Ms. G. Rama Lakshmi, Dr. Swathi Reddy, Mr. G. SrinivasaRao went to Industrial Visit on 8<sup>th</sup> July 2019 to VEM Technologies.
- 97 Students of III ECE Visited BSNL-RTTC at Gachibowli on 26<sup>th</sup> Sep 2019. Faculty Ms. V. Hindumathi, Mr.Y. Anil Kumar, Mr. D. Venkata Siva Prasad accompanied the students.

### Guest Lectures

- Guest Lecture by Dr. V. Bhanu Murthy, Outstanding Scientist / Associate Director, NRSC, Hyderabad under IEEE SB on 24<sup>th</sup> July 2019 for II and III B.Tech Students on “ The role of GIS in Disaster Management in the present day scenario”
- Guest Lecture by Sri. Siva Subrahmanyam from Cognizant on Machine Learning Concepts for II ECE students was held on 17<sup>th</sup> Aug 2019
- Dr. Anil Kumar Vuppala, IIIT Hyderabad delivered a lecture on AI and Speech Applications for III ECE Students on 17<sup>th</sup> Aug 2019
- Webinar on VLSI Design using Verilog HDL by Siva Kumar PR, Founder and CEO, Maven Silicon on 25<sup>th</sup> Sep 2019. Around 70 Students and few faculty took part in it. Faculty Ms. P. Prashanti coordinated the event.

### Cells / Clubs Inaugurated

- BVRITH IIC – Institution Innovation Cell was inaugurated in the month of September 2019 and actively conducting various activities under various quarters
- BVRITH Facebook Developers Club was inaugurated at BVRIT Hyderabad on 2<sup>nd</sup> Nov 2019
- Code chef Club was initiated at BVRIT Hyderabad and sessions are conducted on 12<sup>th</sup>& 13<sup>th</sup> Nov 2019. 12 students from ECE took part in it.

### Other Events

- Master of Orator Championship – Season 4 was conducted on 3<sup>rd</sup> Aug 2019
- 4<sup>th</sup> Graduation Ceremony was held on 4<sup>th</sup> Aug 2019. Prof. T. Papi Reddy, Chairman, Telangana State council of higher education was invited as the chief guest. Chairman, Vice-Chairman of SVES graced the occasion.
- 8<sup>th</sup> Induction Program of I B.Tech was held on 5<sup>th</sup> Aug 2019. Chairman, Vice-Chairman of SVES graced the occasion.
- Fresher’s Day was conducted on 31<sup>st</sup> Aug 2019
- Teachers Day was celebrated on 5<sup>th</sup> Sep 2019.
- Placement Success celebrations 2019 was held on 7<sup>th</sup> Sep 2019
- DaanUtsav was organized on 2<sup>nd</sup> Nov 2019.
- 4<sup>th</sup> Alumni Meet was held on 7<sup>th</sup> December 2019.

## RESULT ANALYSIS

(A.Y 2019-20)

83.33%- IV-I (2016-20)

80.43%- III-I (2017-21)

70.00%- II-I (2018-22)

### Year Wise Toppers

#### IV Year –I Sem (2016-20)

| S.No      | Roll. No   | Name           | CGPA | Position |
|-----------|------------|----------------|------|----------|
| Section A |            |                |      |          |
| 1         | 16WH1A0402 | Charishma. A   | 8.46 | 1        |
| 2         | 16WH1A0417 | G Roshini      | 8.42 | 2        |
| 3         | 16WH1A0404 | A Akhila       | 8.33 | 3        |
| Section B |            |                |      |          |
| 1         | 16WH1A04B6 | S Madhuri      | 8.33 | 1        |
| 2         | 16WH1A0477 | D Sridevi      | 8.29 | 2        |
| 3         | 16WH1A04B4 | S Sushma       | 8.29 | 2        |
| 4         | 16WH1A0467 | Ch Manaswini   | 8.17 | 4        |
| 5         | 16WH1A04A8 | V Gowri Manasa | 8.17 | 4        |

#### III Year –I Sem (2017-21)

| S.No      | Roll. No   | Name                   | CGPA | Position |
|-----------|------------|------------------------|------|----------|
| Section A |            |                        |      |          |
| 1         | 18WH5A0412 | Y. Theerthasree        | 7.92 | 1        |
| 2         | 17WH1A0437 | M. Satya Sai Harshitha | 7.79 | 2        |
| 3         | 17WH1A0407 | P. Akhila              | 7.67 | 3        |
| Section B |            |                        |      |          |
| 1         | 17WH1A04C0 | V. Yashaswini          | 8.54 | 1        |
| 2         | 17WH1A0473 | P. Sahithi             | 8.29 | 2        |
| 3         | 17WH1A0467 | V V Sai Pranathi       | 8.13 | 3        |

#### II Year –I Sem (2018-22)

| S.No      | Roll. No   | Name                   | CGPA | Position |
|-----------|------------|------------------------|------|----------|
| Section A |            |                        |      |          |
| 1         | 18WH1A0419 | Ch. Sowmya             | 8.57 | 1        |
| 2         | 18WH1A0422 | K Hari Chandana        | 8.43 | 2        |
| 3         | 18WH1A0450 | K. Aishwarya           | 8.24 | 3        |
| Section B |            |                        |      |          |
| 1         | 18WH1A0464 | K. Madhumitha          | 8.05 | 1        |
| 2         | 18WH1A0461 | M. Jahnvi              | 7.90 | 2        |
| 3         | 18WH1A0479 | T. Roshini             | 7.90 | 2        |
| 4         | 18WH1A04B0 | P. Shanmukha Sri Priya | 7.76 | 4        |

## NEWS LETTER

Department of Electronics  
and Communications

### Editors

Mr. Y. Anil Kumar- Asst. Prof.-ECE.  
Ms. S. Madhavi- Asst. Prof.-ECE.  
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