

ABOUT VVCE, MYSURU

Vidyavardhaka College of Engineering is one of the prestigious engineering colleges in Karnataka. Established in 1997, VVCE has grown in leaps and bounds since inception. VVCE is an autonomous institute affiliated to Visvesvaraya Technological University (VTU), Belagavi, approved by AICTE & UGC, New Delhi and recognized by Govt. of Karnataka. Six UG programs are accredited by National Board of Accreditation, New Delhi. VVCE is also accredited by NAAC with "A" grade. VVCE offers seven UG programs, three PG programs and nine Research Centers for pursuing Ph.D programs, with a total student population of over 4200. The college has excellent infrastructure coupled with qualified and passionate faculty team to provide a perfect learning ambience. In 2022, VVCE secured a position in the 251-300 rank band in the NIRF rankings under the engineering category, earning a gold rating. Additionally, in 2023, the institute was honored with the Happiness Index award by QS-I Gauge.

ABOUT THE DEPARTMENT

The Electronics & Communication Engineering program was initiated in the year 1997. The Department's focus is to produce graduates with a solid foundation in the electronics and communication domain. The course is structured based on an Outcome Based Education paradigm to assist students in achieving their goals. Staffed by highly qualified personnel, the Department of Electronics and Communication Engineering is well-equipped laboratories featuring the latest configurations and software tools.

CHIEF PATRONS

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ATAL SPONSORED SIX DAY FACULTY DEVELOPMENT PROGRAMME

ON

Enabling Clear Communication: Innovations in Speech Enhancement and Hearing Aids for Indian Users

15th Jan. 2024 – 20th Jan. 2024

Sponsored By
AICTE Training And
Learning (ATAL) Academy



Organized by

Dept. of Electronics and Communication
Engineering



VIDYAVARDHAKA COLLEGE OF ENGINEERING

(A unit of Vidyavardhaka Sangha®, Mysuru)

Gokulam III Stage, Mysuru – 570 002

Website: <https://www.vvce.ac.in>



Accredited by NBA
(All UG Branches)



Accredited by
NAAC with "A"
Grade



ARIIA

ABOUT FDP

Speech Processing is both a scientific discipline and a technological frontier with vast applications. Signal processing deals with the representation, manipulation, and transformation of signals and the information they convey. It offers techniques for processing acquired time-series data to enable efficient analysis and synthesis.

Research in signal coding, denoising, and digital media processing has led to advancements in communication and human-machine interaction, including speech/audio coding, automatic speech recognition, synthesis, and enhancement.

This program will offer an opportunity to showcase recent trends and developments, identifying emerging and future areas of growth in these exciting fields. Furthermore, it will inspire researchers to develop newer and more efficient techniques.

OBJECTIVES OF FDP

- Enhance participants' understanding of the specific auditory needs and challenges faced by Indian users with hearing impairment.
- Introduce participants to state-of-the-art speech enhancement techniques, including adaptive filtering, noise reduction algorithms, and beamforming.
- Examine innovative hearing aid technologies incorporating improved connectivity, multilingual support, and user-centric designs.
- Familiarize participants with the integration of artificial intelligence and machine learning in speech enhancement and hearing aid development to optimize speech perception and improve the auditory experience for Indian hearing aid users.

RESOURCE PERSONS

Dr. Ashok Rao

Former Head, CEDT, IISc Bengaluru

Dr. Ajish K. Abraham

Professor, AIISH, Mysore

Dr. Varun Saxena

Assistant Professor, JNU Delhi

Dr. Vijay Bhaskar Semwal

Assistant Professor, NIT Bhopal

Dr. Srikanth

L&T Technology Services, Mysuru

Dr. Priyatam Kumar

KLE Technological University, Hubli

Dr. Thimmaraja Yadava G

Associate Professor NMIT, Bengaluru

Mr. B. P. Praveen

Samsung Private Ltd., Bengaluru

Dr. C. M. Patil

Professor, VVCE Mysuru

Dr. Nagaraja B. G.

Associate Professor, VVCE Mysuru

WHO CAN APPLY?

- Engineering and Diploma Faculty from AICTE approved Institutions.
- Ph.D. scholars and PG students.

TRAVELLING ALLOWANCE

Travelling allowance will be given as per ATAL guidelines.

REGISTRATION (FREE)

1. Visit the below link and register as participant.
<https://atalacademy.aicte-india.org/signup>



Scan to register.

2. Steps to register for FDP.

- a) Select the FDP option from left pane.
- b) Select Type → FDP.
Select Month → January.
Thrush Area → All FDP Type → All
- c) Select the FDP titled "**Enabling Clear Communication: Innovations in Speech Enhancement and Hearing Aids for Indian Users**" with **Application Number: 1691044658** from **15th to 20th Jan 2024** organized by **Vidyavardhaka College of Engineering, Mysuru**.
- d) Apply for FDP by clicking the symbol of "+" on the "**Enabling Clear Communication: Innovations in Speech Enhancement and Hearing Aids for Indian Users**" FDP. Now a message will pop up that you have successfully applied for the FDP. You can see the same in the "Applied Workshops" in the left Pane.



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