

A REPORT
ON
“4TH NATIONAL CONFERENCE ON APPLICATIONS OF SOFT COMPUTING
TECHNIQUES IN ENGINEERING”

Title of the Event: 4th NCASCTE

Held on: 5th and 6th June 20254

Coordinators: Mr. D. Ramesh, Asst. Prof, Mr. T. Bhaskar, Asst. Prof., Mr. B. Harikranth, Asst. Prof.,
Mr. M. Bhaskararao, Asst. Prof., Mr. Goutam Barma, Asst. Prof

Convener: Dr. Miska Prasad, Assoc. Professor, HOD-EEE

The 4th National Conference on “Applications of Soft Computing Techniques in Engineering” on 5th - 6th June-2025 (NCASCTE-2025) was organized by ACE Engineering College in the Department of Electrical & Electronics Engineering, Hyderabad, India. National conference on “Applications of Soft Computing Techniques in Engineering” is a two days conference which provides a platform to promote an interdisciplinary knowledge research and development activities that can foster the growth of Engineering Technology providing solutions to societal needs. The vision of this conference is to promote excellence in scientific knowledge and innovation in the field of Engineering to motivate young students. This conference will provide a forum to students, researchers around the nation to explore and discuss on various aspects of Engineering and Technology.

The conference preparations started with the call for abstracts; 30 abstracts were received out of which 24 were accepted. The next step was the call for papers, and out of 20 papers submitted by authors, 17 were accepted for oral presentations and publication in both Conference Proceedings and international journals. Selected research papers have been compiled and edited in the form of Conference Proceedings and published by JETIR - Journal of Emerging Technologies and Innovative Research. The conference maintained a high-quality peer-review process for all the manuscripts submitted, starting with a primary evaluation that included a plagiarism check for the original contents. Those that met the minimum criteria were passed on to experts in the domain for review. Single-blind review process was employed, where the reviewer remained anonymous to the authors throughout the process. Reviewers were requested to decide on accepting/rejecting the submitted paper, along with suggestions to improve the quality of the paper. After getting the review report, authors were informed of acceptance/rejection.

DAY-1 (05-06-2025)

Inaugural Session

The first day of the conference started with an inaugural session with dignitaries welcomed on to dais by Ms. G.V. Swathi, Assistant Professor, ACE Engineering College. The dignitaries on the dais were then requested to light the lamp and it was followed by Prayer song. Dr. Miska Prasad, HoD-EEE, ACE Engineering College & Convener of NCASCTE 2025 briefed the gathering about the conference and called it a platform to learn and exchange information.

Dr. K.S.Rao, Principal, ACE Engineering College, Conference Chairman gave the inaugural address in which he mentioned that this conference is to provide opportunity for students to present research findings to gain experience in their respective streams, receive valuable inputs from other participants about how to strengthen their work, and disseminate exciting and cutting-edge findings from their field of study.

The keynote speaker Prof. E. Vidya Sagar, Director-OTBI, Osmania University, Hyderabad, addressed the gathering and enlightened the participants on the Evolution of soft computing techniques and its importance in research and career opportunities in Electrical and Electronics engineering.

The other Keynote speaker Mr. Thukaram Gadasanthala, Assistant Engineer – TGTRANSCO, Given brief information about Transco.

The release of the conference proceedings was carried out by Dr. K.S.Rao, Principal, ACE Engineering College, and Prof. E. Vidya Sagar, Director-OTBI, Osmania University, Hyderabad. After keynote speech both the speakers were felicitated by the Principal, Vice-Principal and HOD-EEE by Memento and shawl.

DAY-1 (05-06-2025)

Technical Session

During this session, six papers were presented by student participants. Each author was given 10 minutes for the paper presentation, which was followed by question-and-answer session for 5 minutes. Session chairs were Dr. M. Kondala Rao, HOD-MS, Dr.Ravi Kumar, HoS-CSE-B, Mr. A. Ramesh, HoS-CSE-D, Mr. G. Suresh, Asst.Prof-Mech, ACE Engineering College & Session was concluded at 4.20 PM.

DAY-2 Forenoon (06-05-2025)

Technical Session

The second day began at 10 am with paper presentations. During this session, eleven papers were presented. Each author was given 10 minutes for the paper presentation, which was followed by question-and-answer session for 5 minutes. Jury Members where Session chairs were Dr. M. Kondala Rao, HOD-MS, Dr.Ravi Kumar, HoS-CSE-B, Mr. A. Ramesh, HoS-CSE-D, Mr. G. Suresh, Asst.Prof-Mech, ACE Engineering College. After paper presentations Keynote speaker Mr. A. Purna Chander, Assistant Engineer- TGTRANSCO gave his presentation on “overview of substations and the trending technologies used by Transco.

Keynote speaker by Ms. G.V Swathi Assistant Professor, ACE Engineering College. The key note speaker of the session was Mr. A. Purna Chander, Assistant Engineer-TGTRANSCO. He enlightened the participants about the technologies, concepts, and trends in the realm of the TGTRANSCO.

DAY-2 Afternoon (06-05-2025)

Valedictory Session

This session started with welcoming of Keynote speakers Dr. Balakrishna Pamulaparthi, Senior Engineer – GE Vernova and Dr. A. Srikar, ATO India Leader at GE Hyderabad Technology center by Mr.D.Ramesh, Coordinator of NCASCTE 2025 & Assistant Professor, ACE Engineering College.

Dr. A. Srikar enlightened the participants about the technologies, concepts, and trends in the realm of the GE. Dr. Balakrishna Pamulaparthi Gave his presentation about role of AI&ML and its impact on society and job creation.

The two-day Conference ended with a valedictory session. This event was chaired by Dr. Miska Prasad, HoD-EEE, ACE Engineering College & Convener of NCASCTE 2025, Dr. M. Kondala Rao, HOD-MS, Dr. Balakrishna Pamulaparthi, Senior Engineer – GE Vernova and Dr. A. Srikar, ATO India Leader at GE Hyderabad Technology center, Mr. A. Purna Chander, Assistant Engineer-TGTRANSCO

The Key note speakers Dr. Balakrishna Pamulaparthi, Dr. A. Srikar, Mr. A. Purna Chander were felicitated by Dr. Miska Prasad, HOD-EEE with Shawl and Memento. Certificates were awarded to Participants by dignitaries on the dais. Tree best papers were selected and awarded best paper certificates.

Vote of thanks was proposed by Mr.D.Ramesh, Coordinator of NCASCTE 2025 & Assistant Professor, ACE Engineering College. Feedback links were shared to all participants. Event was concluded with photo session of participants with Conference Convener, Coordinators, session chairs and keynote speakers.