

International Conference on

# Intelligent Engineering Systems

April 3<sup>rd</sup> and 4<sup>th</sup> - 2014

**Organized by**



**Department of Electronics and Communication Engineering**  
**EASA College of Engineering and Technology**

(Approved by AICTE, New Delhi and Affiliated to Anna University)  
Coimbatore - 641105

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## **International Conference on Intelligent Engineering Systems**

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**ISBN 978-93-83459-33-9**

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## **About the Institution**

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EASA College of Engineering and Technology was established in the year 2008 under the auspices of EASA Foundations, an Educational Charitable Trust in Coimbatore. Its Founder Chairman Sri T.D. Eswaramoorthy M.Sc., has a perspective vision of providing high level education for young budding engineers. He has more than two decades of Consultancy experience offered to establish Engineering Colleges in India. The Secretary and Correspondent of ECET, Smt. Sujatha Eswaramoorthy, M.Sc., who has very rich educational background, aims and strives to provide quality education for the students selecting this college with rural background. She started this Institution with utmost aim "To make the institution a pioneer in the field of Engineering, Technology and Management Education with a commitment for development of the individual and the society as a whole".

## **About the Conference**

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The Conference is designed to provide a platform for the budding researchers, practicing engineers, faculty, students and Expert members in each topic of interest to share their innovative idea and feasible solutions to the present and future challenges in various fields. This conference would also provide a large forum for participants to experience a research oriented environment and platform for learning.

## **About the Department**

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The Department of Electronics & Communication Engineering is playing a vital role to produce scientists and technologists of highest caliber. The infrastructure and lab facilities are upgraded from time to time and adequate opportunities are provided for students and researchers to learn and innovate. The Department has distinguished faculty, headed by Dr. G. Muruganath M.E., Ph.D., MIE.,. Few faculty members are pursuing Ph.D., from Anna University. Some of the faculty members in the department are IEEE members. The faculty members guides and motivates students to take up research projects. Every year students are asked to compete in the design contest organized by Texas Instruments, National Instruments, IBM etc.. The department also organizes many events to improve the technical and inter personal skills of the students.

## Chairman's Message

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**Dear Faculty Members of the ECE Department,**

First I must congratulate the HOD and the faculty members of ECE for bringing out this excellent, informative proceeding on the occasion of the First International Conference on Intelligent Engineering Systems – 2IES, being organized by the Electronics and Communication Engineering Department of our College. The faculty members of ECE have fulfilled my expectation by arranging this event in an excellent way. My best wishes to you all.

**Shri.T.D. Eswaramoorthy.,M.Sc.,  
Founder - Chairman  
EASA Foundations**

## Secretary's Message

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### **My Dear Faculty Members,**

I am very much happy to write this message in this valuable proceeding to mark the occasion of the First International Conference on Intelligent Engineering Systems – 2IES, being organized by the ECE Department. In the last six years of the existence of this College, my mission for excellence in education is taking shape in these forms of this admirable events and this worthy magazine. My best wishes to all of you to keep this good work going in the years to come to make this College a front runner in the field of Engineering education.

**Smt.T.E. Sujatha Eswaramoorthy,**  
**Secretary,**  
**EASA Foundations**

## Principal's Message

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I am delighted to mention on the occasion of release of a proceedings of the First International Conference on Intelligent Engineering Systems – 2IES, by the department of Electronics and Communication Engineering of our college, during the inauguration on 3<sup>rd</sup> April 2014. At this juncture, I am equally happy and proud for the effort that the faculty members and students of Electronics and Communication Engineering Department to release this magazine. I hope the department will continue to release this proceeding in the years to come. I take this opportunity to congratulate HOD of ECE Prof. Dr. G. Murugananth and his team mates consisting faculty members and students for this wonderful job.

**Dr.B.G. Vishnuram, M.E, Ph.D, FIE.**  
**Principal,**  
**ECET.**

## Convener's Message

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The wide-spectrum of abstracts gives us a sense of pride that students and teachers of various colleges possess creative technical potential and original thinking in ample measures. I applaud the contributors for their stimulated thoughts and varied hues in proceedings contributed by them. My Congratulations to the team who took the responsibility for the arduous task most effectively.

I express my deep sense of gratitude to Shri.T.D. ESWARAMOORTHY M.Sc, Founder Chairman, EASA Foundations, Smt.T.E. Sujatha Easwaramoorthy, Secretary, EASA Foundations, and DR.B.G. VISHNURAM M.E. Ph.D., MISTE, MIE, Principal, ECET, under whose guidance this literary work has been undertaken and completed within the stipulated time. At the outset, I'm proud to inform you that this is First International Conference on Intelligent Engineering Systems – 2IES, is continuing and it would also continue in the future in the history of ECET. I congratulate and thank all the authors who have contributed their valuable research work to be presented in this conference. Finally, I thank all the faculty members and people who were behind the success of this conference. Wishing you all the very best.

**Prof. Dr.G. Muruganath. M.E. Ph.D, MIE.,**  
**Prof. & Head – ECE Dept.,**  
**Convener – 2IES – 14**  
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