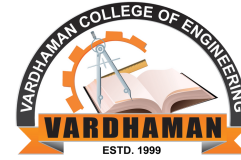




ALMIKA



Monthly Newsletter | Dedicated to Hardworking Women Engineers

Women have contributed to the diverse fields of engineering in modern and historical times. Women are often under-represented in the fields of engineering, both in academia and in the profession of engineering.

A number of organizations and programs have been created to understand and overcome this tradition of gender disparity. **Women in Engineering by IEEE** is one of those organizations striving for the development of women especially those in the field of engineering by creating new opportunities.

This newsletter by the girl force at **Vardhaman College of Engineering** is a medium for more women to understand the contributions of other women in the field of engineering.

Principal's Message

It is my great pleasure and honor to be part of IEEE-Women in Engineering Committee. We made a reasonable progress by promoting various activities for supporting female researchers and engineers. We are trying our level best and with our persistence efforts in nurturing female engineers and researchers, improving the status, and their International contribution. Our basic aim is to further develop our convert activities to improve the career development of women. I sincerely hope all of you involve with commitment and improve.



- Dr. S. Sai Satyanarayana Reddy
Principal

Factoid

Women engineers have worked on everything from the Mars Rover to developing new drug delivery techniques that could transform the treatment of major diseases such as cancer.

About WIE

IEEE Women in Engineering (WIE) is one of the largest international professional organizations dedicated to promoting women engineers and scientists and inspiring girls around the world to follow their academic interests to a career in engineering.

Kalpana Chawla - Women on a Mission



The tragic loss of the space shuttle Columbia killed seven astronauts. One of those, Kalpana Chawla, was the first Indian-born woman in space.

Born in Karnal, India, on July 1, 1961, Chawla was the youngest of four children. Chawla obtained a degree in aeronautical engineering from Punjab Engineering College before immigrating to the United States and becoming a naturalized citizen in the 1980s. She began working at NASA's Ames Research Center the same year, working on power-lift computational fluid dynamics. In 1994, Chawla was selected as an astronaut candidate.

After a year of training, she became a crew representative for the Astronaut Office EVA/Robotics and Computer Branches, where she worked with Robotic Situational Awareness Displays and tested software for the space shuttles.

Chawla's first opportunity to fly in space came in November 1997, aboard the space shuttle Columbia on flight STS-87. The shuttle made 252 orbits of the Earth in just over two weeks. The shuttle carried a number of experiments and observing tools on its trip, including a Spartan satellite, which Chawla deployed from the shuttle. The satellite, which studied the outer layer of the sun, malfunctioned due to software errors, and two other astronauts from the shuttle had to perform a spacewalk to recapture it.

My note to all bold women

My heartfelt congratulations to Members of WIE AG, Student Chapter, Vardhaman College of Engineering.

Never mind in which stage you are in life, embolden and empower women around you, they can do the best things that had never ensued earlier. Empowering women literally means empowering the nation.



- Dr. C Hari Prasad
Head of the Department
Civil Engineering

Committee

Dr S Saisatyanarayana Reddy - Patron

Dr M.A.Jabbar - IEEE Student Chapter Advisor

Sangeetha singh - Faculty advisor, Editor in chief for the Newsletter

R.Navya Sri - Chair, IEEE WIE AG Student Chapter

S.K. Afrien - Vice Chair

G Anusha - Treasurer

C.Preethi - Secretary

Arfiya Anjum - Associate Editor, Newsletter

Videsha - Associate Editor, Newsletter

Tessy Thomas - Missile Woman of India



Dr. Tessy Thomas started her career as Scientist 'B' from IAT, Pune in 1986. In the year 1988, she moved to Defence Research and Development Laboratory (DRDL), Hyderabad, and was associated with guidance design and HILS of Agni Missile Systems. In 1992, she moved to RCI, Hyderabad, where she designed an explicit guidance design for solid propelled missile Agni 2. Later, she moved to ASL and since then has been contributing in the field of mission design and explicit guidance design for all Agni Systems (Agni 1 to Agni 5). She has designed and developed 6 DoF trajectory simulation for all Agni systems. In her career spanning 31 years, she has contributed in various fields such as guidance, control, inertial navigation, trajectory simulation and mission design.

Our honour

It is a great honor and pride to be a part of IEEE WIE committee. IEEE WIE is one of the largest international professional organizations dedicated to promoting women engineers and scientists and inspiring girls around the world to follow their academic interests to a career in engineering. Women Engineers tell of the trials and triumphs of lives dedicated to advancing technology for humanity.

Women empowerment can help in reducing poverty, development of the country and it can provide a better chance for next generation.

I congratulate students and faculty members for starting IEEE WIE AG of IEEE Students chapter at Vardhaman College of Engineering. I hope this affinity group will strive for the empowerment of women engineers.

All the best.



- Dr. M.A. Jabbar

Professor
Secretary, IEEE CS Chapter
HYD Section

It is a great honour to be part of **IEEE WIE AG** committee.

It is one of the precious steps that we are taking to facilitate the recruitment and retention of women in this technical world. WIE is an international professional organisations that purely concentrate on women empowerment.

They strive for the women development in their academic field.

From now, we will more focus on the outstanding achievements of women in electrical and electronic engineering. I hope this will lead to a great development in the status of women.



- Dr. J.V.R. Ravindra
HOD
ECE

Malala - Inspiration to women across all fields



Malala Yousafzai is a Pakistani education advocate who, at the age of 17, became the youngest person to win the Nobel Peace Prize after surviving an assassination attempt by the Taliban.

Born on July 12, 1997, Yousafzai became an advocate for girls' education when she herself was still a child, which resulted in the Taliban issuing a death threat against her. On October 9, 2012, a gunman shot Malala when she was traveling home from school. She survived and has continued to speak out on the importance of education.

Congratulations

It gives me immense pleasure to acknowledge the initiation of **WIE AG** at Vardhaman. This helps many of the women students and faculty in organizing the events, utilizing the opportunities and to show case their talents. I wish all success for the entire team.

- Dr. M. Gopi Chand
HOD
IT



My heartfelt congratulations to students and faculty for initiating **WIE AG Affinity** at Vardhaman.

I hope this affinity group will help students and women engineers in their empowerment.



Prof. Md. Asif
Professor, EEE

My congratulations to the entire team of WIE, AG, Vardhaman.

I hope this group will promote and inspire women engineers.



- Dr. B. Subbaratnam
HOD
Mech

Congratulations to members of **WIE, AG** for initiating the Affinity group at Vardhaman.

All the best.



- Dr. N. Sambashiva Rao
HOD
CSE