



News Letter

Department of Mechanical Engineering

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Har Gobind Khorana (9 January 1922 – 9 November 2011) was an Indian American biochemist. While on the faculty of the University of Wisconsin–Madison, he shared the 1968 Nobel Prize for Physiology or Medicine with Marshall W. Nirenberg and Robert W. Holley for research that showed the order of nucleotides in nucleic acids, which carry the genetic code of the cell and control the cell's synthesis of proteins. Khorana and Nirenberg were also awarded the Louisa Gross Horwitz Prize from Columbia University in the same year.

Born in British India, Khorana served on the faculties of three universities in North America. He became a naturalised citizen of the United States in 1966, and received the National Medal of Science in 1987

In addition to sharing the Nobel prize, Khorana was elected a member of the United States National Academy of Sciences in 1966, a member of the American Academy of Arts and Sciences in 1967, a member of the American Philosophical Society in 1973, and a Foreign Member of the Royal Society (ForMemRS) in 1978.[34] In 2007, the University of Wisconsin–Madison, the Government of India (DBT Department of Biotechnology), and the Indo-US Science and Technology Forum jointly created the Khorana Program. The mission of the Khorana Program is to build a seamless community of scientists, industrialists, and social entrepreneurs in the United States and India.

The program is focused on three objectives: Providing graduate and undergraduate students with a transformative research experience, engaging partners in rural development and food security, and facilitating public-private partnerships between the U.S. and India. The Wisconsin–India Science and Technology Exchange Program (WINStep Forward, WSF) adopted administration responsibilities for the Khorana program in 2007. WINStep Forward was jointly created by Drs. Aseem Ansari and Ken Shapiro at the University of Wisconsin–Madison. WINStep Forward also administers the nationally competitive S.N. Bose Programs for Indian and American students, respectively, to promote both fundamental and applied research not only in biotechnology but broadly across all STEM (science, technology, engineering, and mathematics) fields, including medicine, pharmacy, agriculture, wildlife and climate change.

In 2009, Khorana was hosted by the Khorana Program and honoured at the 33rd Steenbock Symposium in Madison, Wisconsin.

Other honours included the Louisa Gross Horwitz Prize from Columbia University and the Lasker Foundation Award for Basic Medical Research, both in 1969, the Golden Plate Award of the American Academy of Achievement in 1971, the Willard Gibbs Medal of the Chicago section of the American Chemical Society, in 1974, the Gairdner Foundation Annual Award, in 1980 and the Paul Kayser International Award of Merit in Retina Research, in 1987.

On 9 January 2018, a Google Doodle celebrated the achievements of Har Gobind Khorana on what would have been his 96th birthday

FINANCIAL ASSISTANCE FROM THE MANAGEMENT

Under the esteemed guidance of Mr. Venkataratnam Akumarthy, Asst. Prof., three students - G Vigneshwari (160717736335), P Veeru Priyadarshan (160717736092), Uzma Simeen (160717736097), were provided a financial assistance in July 2021 from the management of methodist college of engineering & technology, for developing working model of "Leaf Plate Making Machine". The machine is useful in producing plates & duna's from biodegradable leaves & carry high commercial value in the current scenario for sustainable development.

JOURNAL PUBLICATIONS

Dr. Matam Prasad & Dr. A Rajasekhar from Department of Mechanical Engineering got their paper titled "Modelling and analysis of differential gearbox in vehicles" published in the journal "International journal of Future generation communication and networking". The paper carrying ISSN number 2233-7857 can be found at https://www.scrsc.org/journals/index.php/IJFGCN/article/view/36582

Dr. M Udaya Kumar from Department of Mechanical Engineering got their paper titled "Increasing Performance of Thermal Processes in Healthcare units under HVAC system: A Critical Review" published in the journal "International Journal of Advanced Research in Science, Commerce, QUARTERLY NEWSLETTER

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Management and Technology". The paper carrying ISSN (ONLINE 2582-9327 PP 12-15 IF-5.731 can be found at https://www.lambert.co.in/paper231.pdf

QUARTERLY NEWSLETTER

TRAINING & CERTIFICATION EXAM

A 2 week training & certification program for Solidworks software was conducted under the guidance of Mr. Srikanth Rangdal, Assistant Professor, Dept. of Mech. Engg. from between 6/9/2021 and 18/9/2021. CSWA (Certified SolidWorks Associate) Program is designed to help students demonstrate their expertise with SolidWorks, 3D solid modelling techniques, and design concepts, as well as their commitment to professional development. It is a streamlined course to take you from knowing about SOLIDWORKS to give you all the knowledge and skills needed to become a certified SOLIDWORKS associate. This course should enable students & professionals to use SOLIDWORKS to design their next innovation.



The program targeted Students / Professionals intending to take SOLIDWORKS Associate Certificate - CSWA. Anyone intending to learn the basics of SOLIDWORKS, to get started with 3D modelling, to get a better job via SOLIDWORKS skills, to list SOLIDWORKS skills in their resume was allowed to register. Sixty two students from Methodist College of Engineering and Technology, three students from other colleges in hyderabad and two professionals with design background participated & successfully completed the exam.

List of students who cleared the CSWA Certification Exam

- Mohd Waheedulla Bilal
- Hussain Shujauddin
- Mohd Zabeeullah Khan
- Chandra Sekar
- Abdul Raheem
- Mohammed Shahkhan
- John Nireekshan Kodamala
- Mohd Abdul Mohsin
- A. Sai Krishna
- G. Rajendra
- Sved Ravan
- Mohammed Nehal Anwar
- Ahmed Zeeshan Shareev
- Mohammed Fardeen Ali
- Mohammed Abdul Mannan •
- Sved Talib Arbaz •
- Nabeel Hussain •
- Akula Akhila •
- T. Vaishnavi •
- Rithika Boga •
- Varun
- Syed Raza Ahmed Quadri •
- Abdul Rehman

- Sved Moinuddin • Musunuru Shashank
- Sved Azharuddin
- Safa Khader
- Mohammed Owais Khan
- Balaji Singh •
- Sved Asif •
- Mohammed Abdul Aziz •
- Harish Kumar Y •
- Sved Ravan •
- Maaz Ahmed Khan •
- Safwan Ali •
- Mohammed Azan •
- Mohd Shoaib Khan •
- Abdul Aziz Khan •
- V.S. Srithika •
- M.Vinay Kumar •
- T Sai Teia •
- Kotha Manusai •
- Md Amer Sohail •
- J Mahesh •
- Habeeb Talha Shahan •
- Syed Usaid Ismail

- Mohd Ibrahim Uddin
 - Saikrishna
- M Naveen Raj
- P Pranay
- T Govardhan
- Fazle Hug Moinuddin Khan
- B Sai Vamshi
- K. Rishitha
- Mohd Aslam Akef
- Mohit Chopra
- Ghulam Murtuza
- Aleemuddin Shaker •
- Shaik Mohammad Hanif
- K.Bhargav
- J Sudharshan Kumar
- Mahima Steven
- H Tarun Kumar
- Varun
- Mohammed Abdul Aziz •
- Bharat Babu •
- Mohammed Nehal Anwar •
- Akula Akhila .

The department congratulates all the participants and wishes them a great career ahead.

Department of Mechanical Engineering

Dept. of Mech. Engg. Tech.

VISION

To be a reputed centre of excellence in the field of Mechanical Engineering by synergizing innovative technologies & research for the progress of society.

MISSION

M1: To impart quality education by means of state-of-the-art infrastructure.
M2: To be involved in training & activities on leadership qualities & social responsibilities.
M3: To inculcate the habit of lifelong learning, practise professional ethics & serve the society.
M4: To establish industry- institute interaction for stakeholder development