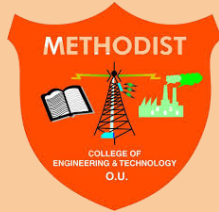


MIND'SPARK

News Letter

Academic Year 2018-19
Volume 3 Issue 1 (Aug 2018)



Methodist College of Engineering & Technology

Department of Mechanical Engineering

VISION

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

MISSION

M1: To impart quality education by means of state-of-the-art infrastructure.

M2: To involve in training and activities on leadership qualities and social responsibilities.

M3: To inculcate the habit of lifelong learning, practice professional ethics and serve the society.

M4: To establish industry- institute interaction for stakeholder development

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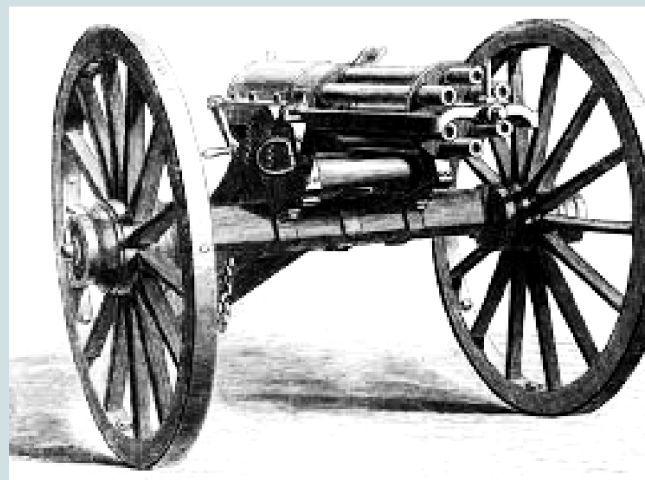
InFocus: Scientist: RICHARD GATLING:



In 1861, Doctor Richard Gatling patented the Gatling Gun, a six-barreled weapon capable of firing a (then) phenomenal 200 rounds per minute. The Gatling gun was a hand-driven, crank-operated, multi-barrel, machine gun. The first machine gun with reliable loading, the Gatling gun had the ability to fire sustained multiple bursts.

INVENTING THE GATLING GUN:

Richard Gatling created his gun during the American Civil War, he sincerely believed that his invention would bring an end to war by making it unthinkable to use due to the horrific carnage possible by his weapons. At the least, the Gatling Gun's power would reduce the number of soldiers required to remain on the battlefield. The 1862 version of the Gatling gun had reloadable steel chambers and used percussion caps. It was prone to occasional jamming. In 1867, Gatling redesigned the Gatling gun again to use metallic cartridges - this version was bought and used by the United States Army.



GUEST LECTURES

Guest lectures by prominent Industrialists from various core industries enlightened the students about updated Technology followed in Industries and the present day requirements of these Industries.

1. A guest lecture arranged on "CAD/CAM/CAE technologies" on 13/07/2018.
Resource person: Mr. Bharath Team leader of Tech-Mahindra (SatVen)
2. A guest lecture is arranged on "Entrepreneurship" on 20/07/2018.
Resource person: Dr. C V Reddy (Academician & Entrepreneur).
3. A guest lecture is arranged on "Startups" on 05/02/2019. Resource person is Mr. Srinivasa Rao, CEO of Vajra Automation Pvt. Ltd.

EVENTS ORGANIZED

Seminar conducted by TIMES on Opportunities through GATE on 29-08-18.

ENGINEER'S DAY

Organizing Engineer's day every year in commemoration with the Birthday celebrations of Bharat Ratna, Sir Mokshagundam Viswesharaya on 15th September.

MOUs SIGNED

1. MOU is signed between 'RAMTECH INDIA' and 'Methodist college of Engg. & Tech.' to offer certificate courses and train the students in CAD / CAM technologies.
2. MOU is signed between 'SRI VENKATESHWARA INDUSTRIES' and 'Methodist college of Engg. & Tech.' to provide the facilities to carry out U.G. projects, P.G. projects and research work.
3. MOU is signed between 'IMPERIAL SOCIETY OF INNOVATIVE ENGINEERS' and 'Methodist college of Engg. & Tech.' to offer TECHNICAL TRAINING/ GUEST LECTURES/INTERNSHIPS to undergraduate students.

EVENTS ORGANISED

S. No.	Academic Year	Name of the Workshop/ Seminar	Date
1.	2018-19	A One Day Workshop on Industry Institution Interaction Meet	05-02-2019
2.	2018-19	A One - Day Seminar on Role of Science in Technology Development	28-02-2019
3.	2018-19	A Seminar on Electric Vehicle Engineering	27-08-2018
4.	2018-19	A Two Day Workshop on Applications of Mathematical Modelling in Manufacturing	26-10-2018 to 27-10-2018
5.	2018-19	A Seminar on CAD/CAM & CAE	13-07-2018
6.	2018-19	Entrepreneurship	20-07-2018
7.	2018-19	A One Day Workshop cum Industrial visit on Automobile Engineering	02-03-2019

RESEARCH & INNOVATIVE PROJECTS UNDERTAKEN

S. No	NAME OF THE PROJECT
1	Design and development of abrasive jet machine
2	Design, Analysis and Fabrication of composite Drivetrain for Bi-cycle.
3	Fabrication and implementation of HHO gas kit on two wheeler
4	Design and fabrication of electric wheel chair for physically challenged and Elder people
5	Design fabrication and testing of pneumatic sheet metal cutting machine
6	Design study of Fabrication and working of Warm Bar Shearing Machine for industries
7	Design and Fabrication of 360 Degrees flexible drilling machine
8	Design and fabrication AC helmet
9	Design and fabrication of 3 wheel bike
10	Fabrication of solar grass cutter
11	Battery equipped green e-bike
12	Design and fabrication of Muffle Furnace
13	Design and fabrication of dual operating machine
14	Hot Machining

PAPER PUBLICATIONS

S. No	NAME OF THE FACULTY	NO. OF PAPERS PUBLISHED
1	Dr. A. Rajasekhar	5
2	Dr. P. Shailesh	2
3	Dr. P. Ravi Chander	5
4	Mr. Md. Fakhruddin H.N	2
5	Mr. Y Madhu Maheswara Reddy	8
6	Mr. M. Prasad	7
7	Mrs. G. Swetha	1
8	Mr. K. Srinivasa Raghavan	3
9	Mr. K. Prabhakar	1
10	Mr. Md. Asadullah	1
11	Mr. A. Shobab	1

INDUSTRIAL VISITS

Industrial visit is organized for IV B.E Mechanical students on 2nd March 2019 to "Paramount Autobay Services", Sainikpuri, Secunderabad.

STUDENT ACHIEVEMENTS

1. V Sem student Salman Ullah Khan (160714736001) secured University I Rank and won the Gold Medal.
2. IV year student M Sai Krishna Laxman (160715736062) scored 86% in IV year, I SEM for the academic year 2018-19.
3. V SEM student Ravirala Lokesh Kumar (160716736004) scored 8.09 CGPA in V SEM for the academic year 2018-19.
4. III SEM student Shaik Aslam Pasha (160717736071) scored 8.83 CGPA in III SEM for the academic year 2018-19.

SPORTS

1. IV SEM student S Ajay Kanth (160717736010) participated in "37th National Rowing Championship-2018" conducted by 'Army Rowing Node' at Pune on Dec-2018 and stood 7th place in the event 'Open Men's Double Scull(Civilian 2000mts)' and qualified for National Games.
2. IV SEM student S Ajay Kanth (160717736010) participated in "77th ARAE-FEARA ROWING CHAMPIONSHIP-2019" conducted by 'Army Rowing Node' at Pune on Jan-2019 and stood 4th place in the event 'Open Men's Four Scull(1000mts)' .
3. IV SEM student S Ajay Kanth (160717736010) participated in "ALL INDIA UNIVERSITY ROWING CHAMPIONSHIP-2018-19" conducted by 'Panjab University' at Chandigarh from 24th Feb 2019 to 01st Mar 2019.
4. IV SEM student Rahul Shivansh B (160717736032) participated in "ALL INDIA 250K PRIZE MONEY MEN'S TOURNAMENT" conducted by 'ALL INDIA TENNIS ASSOCIATION' at Hyderabad on Nov 2018.
5. IV SEM student Rahul Shivansh B (160717736032) participated in "ALL INDIA UNDER-18 TENNIS TOURNAMENT (pre quarters)" conducted by 'ALL INDIA TENNIS ASSOCIATION' at Hyderabad on Aug 2018.
6. IV SEM student Rahul Shivansh B (160717736032) participated in "ALL INDIA UNDER-18 TENNIS TOURNAMENT (quarters)" conducted by 'ALL INDIA TENNIS ASSOCIATION' at Hyderabad in July 2018.

CREATIVE CORNER



The key to happiness is
Just don't compare yourself with others!
The more we compare, the more we loss
ourselves.
- Abdul Raheem

