



## Methodist College of Engineering & Technology

### Dept. of Mech. Engg.

#### 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

#### Editor in Chief

Dr. A Rajasekhar, Professor & Head

#### Editorial Board Members (Faculty)

Mrs. Swetha Gandra, Asst Prof.

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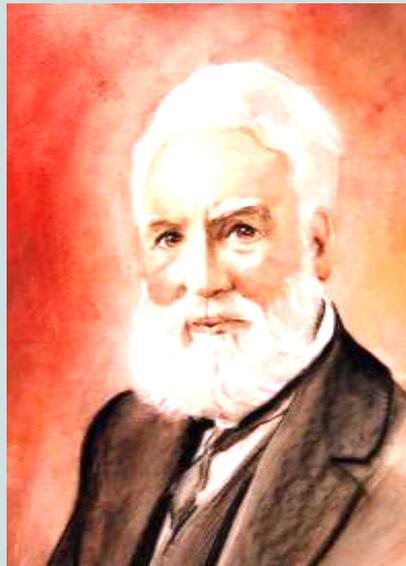
#### Editorial Board Members (Students)

Choragudi Arun, 160716736013

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Mujtaba Majid, 160714736090

## InFocus: Scientist ALEXANDER GRAHAM BELL



Alexander Graham Bell (1847-1922), the Scottish - born American scientist best known as the inventor of the telephone, worked at a school for the deaf while attempting to invent the machine that would transmit sound by electricity. Bell was granted the first official patent for his telephone in March 1876, though he would later face years of legal challenges to his

claim that he was its sole inventor, resulting in one of history's longest patent battles. Bell continued his scientific work for the rest of his life and used his success and wealth to establish various research centres nationwide. Bell owes his immortality to his having been the first to design and patent a practical device for transmitting the human voice by means of an electric current. But Bell always described himself simply as a "teacher of the deaf," and his contributions in that field were of the first order.

He died in 1922 at his summer home on Cape Breton Island, Nova Scotia. People throughout North America were urged to refrain from making phone calls during his burial so that telephones would remain silent as a tribute.



## Events & Activities ORGANISED

S. No	Type & Activity	Date & Duration	Topic	Coordinator	Participants	Resource Person
01	National Workshop	9 <sup>th</sup> to 10 <sup>th</sup> February 2017	NDT	Md. Fakhruddin H.N.	140	M S Institute of Engineering
02	Seminar	24 <sup>th</sup> March 2017	Training and job opportunities for Mechanical students	Dr. U S V Prasad	4 <sup>th</sup> Year Mech (90)	IQRA quality services private limited, Hyd.
03	Mock Interviews	10 <sup>th</sup> March 2017	Mech.Engg	Dr. P Shailesh	30	Dr. Buchaiah (Judge)
04	Technical Paper Presentation	10/03/17	Mech.Engg	Mr. Y M M Reddy	10	Dr. Buchaiah (Judge)
05	Technical Quiz	10/03/17	Mech.Engg	Mr. K S Raghavan	75	Dr. Buchaiah (Judge)
06	Project Expo	10/03/17	All Branches	Mr Fakhruddin. H.N	12	-
07	CAD contest	10/03/17	Mech.Engg	Mrs. R Prerna	30	-

## Student Achievements

1. MECH student Mohd. Basheer Mohiuddin (160713736043) secured University I Rank and won the Gold Medal.
2. MECH IV year student Salman Ullah Khan (160714736001) scored 85% in III year II SEM for the academic year 2016-17.
3. MECH III year student M Sai Krishna Laxman (160715736062) scored 84% in II year for the academic year 2016-17.
4. Ramrheerth Ganesh (160716736322) presented a seminar on "FUEL CELLS AND HYBRID VEHICLE TECHNOLOGY" at an event organised by The institution of engineers (India), Telangana state centre in the August of 2017

## Extra-Curricular Activities

1. III year student M Chandrajith won a Gold medal in "Power lifting" conducted by Osmania University at LB Stadium on Jan-2017.
2. III year student M Chandrajith won a Silver medal in "Weight lifting" conducted by Osmania University at LB Stadium on Jan-2017.
3. III year student M Chandrajith won a Silver medal in "Power lifting State Junior" conducted at Sanath Nagar Stadium on Jan-2017.
4. III year student M Chandrajith won a Gold medal in "Power lifting" conducted by BITS pilani at campus on Jan-2017.
5. III year student M Chandrajith got 10th Rank in "Power lifting" at All India Inter University Power Lifting on Feb-2017.

**Conferences**

1. MECH IV student G Sai Krishna Pranay & Mujtaba Ahsanullah presented a paper titled "Design and Fabrication of Tesla Turbine Model" in "International Conference on Emerging Technological Innovations in Mechanical Engineering (ICETIME-2017)"

**Workshop organized on "Non-Destructive Testing"**



Pictures of Workshop organized on "Non-Destructive Testing" during 9-10 Feb 2017

**GO-CART**

A team of final & third-year students participated in "GOCART-2017" competition held in the month February 2017 at BHOPAL, Madhya Pradesh and stood 7<sup>th</sup> position in the competition.



Pictures of MCET students' team participating in "GO KART-2017" competition held in the month February 2017 at BHOPAL, Madhya Pradesh.

**Workshops / Seminars Conducted**

S. No.	Academic Year	Name of the Workshop/ Seminar	Date From - To	Department
1	2017-18	A Two Day National Workshop on Computer-Aided Manufacturing	20-03-2018 to 21-03-2018	Mech.

## FACULTY ACHIEVEMENTS

### Dr. A. Rajasekhar Prof. & HOD

**AWARDS:** Prof. V. M. Radhakrishnan Endowment Best Paper Award in International Symposium for Research Scholars-2008, organized by Dept. of Metallurgical & Materials Engineering IIT Madras, Chennai - 600 036

#### Book Publications:

1. Text book titled "Engineering Materials" for Diploma in Mechanical Engineering
2. Co-authored a chapter titled "Microstructure and Mechanical Properties of 16Cr-2Ni Stainless Steel Fusion and Solid State Welds- Influence of Post Weld Treatments", published in "Advanced Materials Research, Vol 794 (2013) as a special book titled "A Century of stainless steels" by Trans Tech publications, Switzerland pp. 289-304

### Dr. P Shailesh

**Books Published:** Metallurgy and Materials Science for B.E. Students

**Contributory Book chapters:** Objective questions & answers on Mechanical and Chemical Engineering for B.E. students. Metallurgy and Materials Science for B.E. Students

## INTERNATIONAL JOURNALS

Faculty	Paper Title	Journal	Date of Publication
M. Prasad	"Design And Analysis Of Gas Turbine Blade"	IJRAET, Vol. No.6, Issue No.2-4	July 2017
	"Flow Analysis Of Positive Displacement Pump Lobe Rotor Using Ansys Workbench"	Ijpres, Vol. No.8, Issue No.5-46	August 2017
	"Two Phase Flow Simulation In Y Joint Duct Used In Pipe Line Applications"	Ijpres, Vol. No.8, Issue No.5-46,	August 2017
Dr. A Rajasekar	"Fracture Analysis to determine strength of Metal –Composite Joints"	ISSN No: 2348-4845, Vol.4 (2017), Issue 6 (June), pp 427 – 433,	June 2017
Dr. P. Shailesh	"Investigation of Tribological Properties of Aluminium-Titanium Diboride (Al/TiB <sub>2</sub> ) MMC under Dry Sliding Condition"	International Conference	August 2017

