# METHODIST
## COLLEGE OF ENGINEERING & TECHNOLOGY

Accredited by NAAC with A+ and NBA

Estd : 2008 Affliated to Osmania University & Approved by AICTE

### DEPARTMENT OF CIVIL ENGINEERING

**VISION**

To evolve into a centre of excellence for imparting holistic civil engineering education contributing towards sustainable development of the society.

**MISSION**

**M1.** To impart quality civil engineering education blended with contemporary and interdisciplinary skills.
**M2.** To provide enhanced learning facilities and professional collaborations to impart a culture of continuous learning.
**M3.** To involve in trainings and activities on communication skills, teamwork, professional ethics, environmental protection and sustainable development.

**PROGRAM EDUCATIONAL OBJECTIVES**

**Within three to five years of graduation, the Civil Engineering B.E. graduates are expected to:**
**PEO 1:** Engage in planning, analysis, design, construction, operation and maintenance of built environment.
**PEO 2:** Apply the knowledge of civil engineering to pursue research or to engage in professional practice.
**PEO 3:** Work effectively as individuals and as team members in multidisciplinary projects with organizational and communication skills.
**PEO 4:** Demonstrate the spirit of lifelong learning and career enhancement aligned to professional and societal needs.

**PROGRAM OUTCOMES**

| | |
|---|---|
| **PO1** | **Engineering knowledge** |
| **PO2** | **Problem Analysis** |
| **PO3** | **Design/development of solutions** |
| **PO4** | **Conduct investigations of complex problems** |
| **PO5** | **Modern Tool Usage** |
| **PO6** | **The engineer and society** |
| **PO7** | **Environment & sustainability** |
| **PO8** | **Ethics** |
| **PO9** | **Individual and Team work** |
| **PO10** | **Communication** |
| **PO11** | **Project Management and Finance** |
| **PO12** | **Life-long Learning** |

**PROGRAM SPECIFIC OUTCOMES**

**PSO 1:** Investigate properties of traditional and latest construction materials using standard testing methods.
**PSO 2:** Use AutoCAD, STAAD Pro, ETABS, Revit Architecture and ANSYS software for computer aided structural analysis and design.
**PSO 3:** Describe the principles of sustainable development and green buildings for environmental preservation.

# CIVIL TIMES

## DEPARTMENT OF CIVIL ENGINEERING

Department Newsletter
September 2021



## In Focus


### What and Why a PATENT?

A patent is a form of intellectual property. It is an exclusive right granted for an invention of a product or a process that either delivers a new manner of doing something or that offers a new technique to solve a problem. A Patent grants protection to the patent owner for a limited period, generally 20 years, from the date of filing of the application. It excludes others from utilizing the invention without authorization from the owner. Patent rights are territorial and only protected in the country where the patent is registered.

The patent is a form of asset and benefits may be reaped out of such intangible assets.Patent registration provides an edge over the competitors to the owner in the market

Proud Moment!

Methodist College of Engineering and Technology is now an Autonomous Institution.

Congratulations to all the stakeholders on achieving UGC Autonomous status for 10 years (2021-22 to 2030-31)


- "VIDYUTHA TRAYA CHAKRA VAHANA – A hybrid electrical tricycle" Application No.: 202121034017A, Journal Name: OFFICIAL JOURNAL OF THE PATENT OFFICE, INDIA, Published on: 20-Aug-2021, Journal No.: 34/2021. Srikanth Renikunta
- "VIDYUTHA DVICAKRAVAHANA – An hybrid bicycle" Application No.: 202141035210A, Journal Name: OFFICIAL JOURNAL OF THE PATENT OFFICE, INDIA, Published on: 13-Aug-2021, Journal No.: 33/2021. Srikanth Renikunta

**Chapters in Books / Textbooks:**

Atul Katiyar, **Srikanth Renikunta**, Anurag Shrivastava, Moti Lal Rinawa, "Renewable Energy a Renewable Step Towards Sustainability" INSC International Publisher (IIP), 11-Sept-2021

**International/National Journal Papers:**

- Dr. B. L. P. Swami, M. Bhaskar (2020-21), "Properties of High Strength Concrete With ballast fiber and Fly ash-An experimental study, High technological letters, Issue 10, (Peer Reviewed - Scopus Indexed Journal) ISSN NO: 1006-6748
- Shashi Rekha, Lingala Thirupathi, **Srikanth Renikunta**, Rekha Gangula, 'Study of security issues and solutions in Internet of Things (IoT)' Elsevier group – Materials Today: Proceedings, Publication date 2021/7/31

**Faculty Contribution:**

- Faculty participated in Webinars**: 68**
- Faculty participated in STTP's**: 15**
- Faculty participated in Faculty Development Program and Professional Courses**: 50**
- Faculty participated in NPTEL/SWAYAM Courses: **5**

**Student Performance for the AY 2020-2021:**

| AY | Semester | Section | No. of passed | Total strength | Pass percentage |
|---|---|---|---|---|---|
| 2020-21 | VIII | A & B | 117 | 123 | 96.12% |