



# Matrusri Engineering College

(Sponsored by Matrusri Education Society, Estd.1980)

(Approved by AICTE & Affiliated to Osmania University)

# 16-1-486, Saidabad, Hyderabad-500059

ISO 9001:2015 Certified Institution, [www.matrusri.edu](http://www.matrusri.edu).



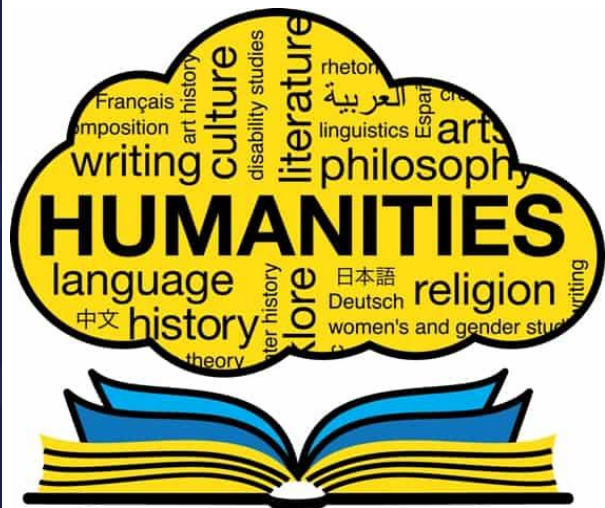
## Departmental Brochure

### Sciences & Humanities

*Nature's answers*



*Collection of men's thoughts*



*Education is not preparation for life, Education is life itself*

### Vision

To become a reputed centre of learning in department of Sciences and Humanities and transform the students into accomplished professionals.

### Mission

**M1:** To provide a learning ambience to nurture the young minds with theoretical and practical knowledge to produce employable and competent engineers.

**M2:** To provide a strong foundation in fundamentals of Electronics and Communication Engineering to make students explore advances in research for higher learning.

**M3:** To inculcate awareness of societal needs, continuous learning and professional practices.

**M4:** To imbibe team spirit and leadership qualities among students.

### About the department:

The Sciences and Humanities department imparts education integrating the application of Basic Sciences and Humanities for engineering courses in the streams of Mathematics, Physics, Chemistry and Communicative English. Since its inception, it has been the foremost center for learning and training to solve real world problems and making it a better place.

### List of the faculty of the department

S.No.	Name of the Teacher	Designation	Highest Qualification
1	Dr.T.Shekharam	Prof & HOD	Ph.D
2	Dr. Y Aparna	Assoc.Prof.	Ph.D
3	Dr. M Yuvaraju	Assoc.Prof.	Ph.D
4	Dr. M.Ramesh	Asst.Prof	Ph.D
5	D.Purnachandra Rao	Asst.Prof	M.Sc., TS-SET
6	Dr.K.Sharath Babu	Asst.Prof	Ph.D.
7	R.Madhavi	Asst.Prof	M.Sc.

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8	Dr. M Sreelatha	Asst.Prof	Ph.D.
9	M. Chandra Sekhar	Asst.Prof	M.Sc., TS-SET
10	Dr. N Pavan Kumar	Asst.Prof	Ph.D
11	K Sandhya	Asst.Prof	M.Sc.
12	T. Vishnu	Asst.Prof	M.Sc., NET
13	K.Aruna Kumari	Asst.Prof	M.Sc., TS-SET
14	Prashanth Kuberkar	Asst.Prof	M.A, PGCTE, PGDTE, TS-SET
15	Ch.Rajaniprashanth	Asst.Prof	M.A., M.C.J., TS-SET
16	Dr.B.Chandana	Asst.Prof	Ph.D.
17	K Sunitha	Asst.Prof	M.A.
18	K Mrunalini	Asst.Prof	M.A.
19	I Upender	Asst.Prof	M.A., M.Phil., M.Ed.

There are eight faculty with PH D degree and eight more faculty are pursuing their research in different areas.

### **Chairman's Desk**

I strongly believe that “The purpose of education is to turn mirrors into windows”. Education is the seedbed of growth, progress and development in any part of the world. Its contribution has been immense to hoist the society technically and in shaping the moral fiber of the student community and contributing to the nation's well-being by producing the bright minds of tomorrow. Pursing this belief, our institution provides the students every opportunity and facility to explore their talent.



**Dr. K.P. Srinivas Rao**  
**Chairman**  
**Matrusri Education Society**

### **Principal's Desk**

Our institution believes that the purpose of education is for complete development of the student into a holistic person. It focuses on providing opportunity to each student to explore his or her own capabilities in their areas of interest - stressing both on knowledge and values which is evidenced by the students securing university ranks consistently.



**Dr. D. Hanumantha Rao**  
**Principal**

### **HOD's Desk:**

An ideal learning environment is provided to first year students through interactive class-room teaching and lab practicals helping them to survive in the fast developing field of technology. Lectures and seminars are organized regularly by industry experts for the industrial exposure of the students. Thus, striving for the overall growth of the students from first year itself.



**Dr. T. Shekaram**  
**HOD, S&H**



## LABORATORIES

### Physics Laboratory

The physics lab accommodates 60 students. Well equipped with apparatus helps the students in fostering the spirit of research and motivate the students to learn beyond the syllabus.



The faculty showing experiment to the students.

### Chemistry Laboratory

Chemistry Laboratory trains the students in the basics of Chemistry required in engineering and social applications and further assists them to understand the symbiotic relationship between science and technology.



Students performing different experiments in Chemistry.

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## English Laboratory

Proficiency in English language which is vital for working in global arena is imparted through an effective language laboratory. The lab is well furnished with 60 systems facilitating the future engineers develop their communication and soft skills pivotal for professional growth.



Students participating in GD.



Browsing Phonetics in English Laboratory

## Faculty Achievements

The faculty of Sciences and Humanities always expertise and upgrade their knowledge, skills and technology by attending conferences, training programmes, getting involved in research projects, earning online certification through MOOC and Swayam portals to meet the current expectations of the global scenario.

Faculty Participation in	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17	2015-16
FDPs/STTPs	31	166	58	24	28	41	19
Publication in Journals Conferences	6	19	14	7	7	9	6
	4	9	4	2	4	1	-
Events conducted by Department	11	7	13	7	4	1	1
Professional bodies	-	-	-	1	-	-	-
NPTEL/COURSERA	6	8	26	2	-	-	-

Besides active participation in various programmes, the faculty published around eight books and acquired four patent ships.

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## Student Activities

The department strongly believes that students' comprehensive development is through the academic learning programs blended with various extracurricular activities. It further opines that these activities are a great way to demonstrate the interests and talents of the students. Indoor and outdoor sports competitions are encouraged. Various seminars and workshops are conducted to foster and upskill the students. The ethnic activities like Traditional Day, Dandiya, Bathkamma, Freshers' Day, Rangoli, Ganesh festival are conducted to develop their commitment towards the society and multicultural competence.



Students enjoying during Janmashtami celebrations and Ganesh Nimmarjan on the campus



Students participated in Traffic Awareness campaign organized by Hyderabad Traffic Police at Satya Sai Nigamagamam, Srinagar colony



Students playing indoor and outdoor games.

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Involving students by the speakers in seminar and workshop conducted by the department.



Miss Fresher and Mr Fresher winners with the Principal and the HOD in Freshers 'Day Celebration

## ICT TOOLS USED BY FACULTY

ICT tools contribute to high quality lessons since they have potential to increase students' motivation, connect them to many information sources and let instructors to allocate more time for facilitation. The following are the tools used by the faculty: Google classroom, Google meet, Google forms, Power point slides, YouTube lectures, Faculty blogs, Slide share, Mentimeter, Reference globe,



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## ***Best Practices***

- *Practice tests are conducted regularly to improve weak students performance.*
- *Bright students are encouraged to enroll for MOOCS /NPTEL/ COURSERA certification courses.*
- *Quiz tests are conducted to strengthen the learning ability of students.*
- *All the students are regularly monitored and counseled by class counselors.*



## ***Distintinctiveness of department***

- *M.Sc Physics students from Osmania University are using the facilities of R&D cell for their projects.*
- *Secured Ph.D admissions with the help of project works done in our Laboratory(Jan 2020-Dec 2021):*

NIT Warangal - 3  
University of Hyderabad - 1  
SRM University, Chennai - 5

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