



GOLDEN VALLEY EDUCATIONAL TRUST  
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**Dr. T. THIMMAIAH  
INSTITUTE OF TECHNOLOGY**

Oorgaum, KGF - 563 120 | [www.drstit.edu.in](http://www.drstit.edu.in)

## DEPARTMENT OF **ELECTRICAL AND ELECTRONICS ENGINEERING**

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**DR.T.THIMMAIAH INSTITUTE  
OF TECHNOLOGY**  
OORGAUM, KOLAR GOLD FIELD

### *From the Editor's Desk*

I am pleased to introduce this brochure showcasing our Electrical & Electronics Engineering Department at DrTTIT. This publication aims to provide a comprehensive overview of our department's academic programs, research initiatives, and faculty expertise.

As you navigate through these pages, you will discover the department's commitment to excellence in education, innovation, and community engagement. Our students & faculty have achieved remarkable success, and we are proud to share their achievements with you.

This brochure would not have been possible without the contributions of our faculty, staff, and students. I extend my sincere gratitude to everyone involved in this brochure.

I hope that this brochure will serve as a valuable resource for prospective students, parents, and industry partners.

**Prof. B. Somashekar**  
Dept. of EEE, DrTTIT

### *President's Message*

Welcome to the Department of Electrical and Electronics Engineering at Dr. T. Thimmaiah Institute of Technology, KGF. We admit and graduate students who not only strive to excel but also love challenges. They leave the campus as highly skilled and sought-after Engineers and Leaders. There are many opportunities for our students to get involved with hands-on projects, experiential learning, and technical competitions.

Best Regards,  
**Dr. T. Venkat Vardhan**  
President, TTIT

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### *Principal's Message*

We at Dr. T. Thimmaiah Institute of Technology, KGF greatly value diversity within the department and society and strive to promote, enhance, and create an inclusive and caring environment for all of our constituents. I am proud of the accomplishments of our students, faculty, staff, and alumni who are each exemplary in their own respect.

Best Regards,  
**Dr. Syed Arrif**  
Principal Dr. TTIT

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### *HOD Message*

It gives me immense pleasure to present the brochure of the Department of Electrical & Electronics Engineering, showcasing the significant achievements and contributions of the department. This brochure reflects the unwavering dedication, hard work, and innovative mindset of our faculty and students. It highlights the department's dynamic academic environment, cutting-edge research initiatives, and outstanding accomplishments. With a curriculum designed to meet industry demands and a focus on holistic development, we aim to empower our students with the skills and knowledge required to excel in their careers. I am confident that this brochure will inspire and motivate the young minds of our department to set ambitious goals, embrace challenges, and strive for excellence. Wishing the department and members continued success in all their endeavors.

Best Regards,  
**Dr. Syed Arrif**  
Principal Dr. TTIT

## VISION OF THE INSTITUTION

To produce technically competent engineers having innovative skills, positive attitude, leadership and professional ethics, with a focus on developing sustainable and new technology.

## MISSION OF THE INSTITUTION

- M1** : Create a conducive environment for teaching, learning and innovation by providing state of the art infrastructure.
- M2** : Learn Sustainable and new technologies through industry institute collaborations.
- M3** : Produce technically competent engineers with ethics, discipline and social consciousness through holistic education.

## VISION OF THE DEPARTMENT

To produce competent engineers having technical skills oriented towards sustainable development, human values and professional ethics through comprehensive education in electrical engineering

## MISSION OF THE DEPARTMENT

- M1** : To provide a conducive environment in which students can think, learn, and apply.
- M2** : To provide technical expertise through hands-on experience on real world projects with a focus on sustainable development and professional ethics.
- M3** : To inculcate a positive attitude and leadership qualities in students through co-curricular activities.

## PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- PEO-1** : Graduates will be successful in Electrical Engineering and trans-disciplinary areas by pursuing a career in industry and higher education
- PEO-2** : Graduates will have the ability to solve societal and industrial problems with cutting-edge technologies in Electrical Engineering to achieve sustainable development in their professional careers
- PEO-3** : Graduates will have the ability to apply technical, analytical, communication and ethical skills to ensure technological progress in their careers

## PROGRAM SPECIFIC OBJECTIVES (PSO)

Graduates will have the,

- PSO-1** : Ability to model, simulate and analyze electrical and electronic components and systems using logical, technical and programming skills
- PSO-2** : Ability to identify optimal solutions for industrial and domestic energy requirements using specific design and control strategies

## ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering was established in 1986 and has since grown into a hub of academic and research excellence. With a team of nine dedicated and highly qualified faculty members, they have completed their undergraduate and postgraduate degrees from prestigious Universities, many Faculty are perusing their research from prestigious Universities, also the department is committed to provide students with a solid foundation in Electrical and Electronics Engineering.

Over the years, the department has expanded its expertise to address the evolving needs of society, offering cutting-edge teaching and research in areas such as power systems, renewable energy, embedded systems, and wireless power transmission.

### ***Notable Achievements***

- Consistent record of producing university rank holders and achieving high placement rates in core and interdisciplinary fields.
- Faculty members have published numerous research papers in high-impact journals and presented their work at national and international conferences.
- Successful execution of funded research projects from government and industry, enhancing the department's reputation for innovation.

### **Collaborations and Industry Partnerships**

- Active partnerships with reputed organizations and industries to promote internships, projects, and skill development for students.
- Collaborative research initiatives with leading academic institutions and participation in government-sponsored programs.

### **Facilities**

The department have state-of-the-art laboratories equipped with modern tools and technology to provide hands-on learning experiences in areas like

- Power Electronics
- Control Systems
- Microcontrollers
- Electrical Machines
- High Voltage Engineering
- CAED and Power Simulation
- Project and Research

With a focus on academic rigor and practical exposure, the Department of Electrical & Electronics Engineering continues to prepare students to excel in a dynamic and competitive world.





**Dr. Lakshmi pathy N**, Head of the Department and Professor of Electrical & Electronics Engineering, holds a Ph.D. in Illumination Design & its energy conservation. With 26 years of teaching experience with 4 years of research experience, He has significantly contributed to academia, publishing 29 technical papers in national and international journals and attended 32 workshops. He has guided 150 plus students in their academic projects, he has 01N0. granted patent and received Chhatra Vishwakarma Award 2020 from AICTE.

Dr. Lakshmi pathy N's dedication to teaching, research, and community service exemplifies the core values of the department and inspires both students and staff

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**Prof. B. Somashekar**, Assistant Professor in the Department of Electrical & Electronics Engineering at Dr. T. Thimmaiah Institute of Technology, holds an M.Tech and is pursuing a Ph.D in Wireless power transfer at utility frequency 50 Hz. His specialization includes VLSI Design and Embedded Systems. With 25 years of teaching experience and 5 years of research experience, B. Somashekar has published 36 technical papers in national and international journals and has attended more than 38 workshops & FDP, he has applied for 02N0. Patent.

B. Somashekar's commitment to both academic excellence and department development plays a crucial role in the continued success of the Electrical & Electronics Engineering department.

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**Prof. Veena B**, senior assistant Professor in the Department of Electrical & Electronics Engineering at Dr. T. Thimmaiah Institute of Technology, holds an M.E. degree and is pursuing a Ph.D in Bio Medical . Her area of expertise is in Power Electronics. With 18 years of teaching experience and 1 year of industrial experience, Veena B has contributed to the academic community by publishing 10 technical papers in national and international journals and attending 30 workshops.

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**Prof. A. Sridevi**, Assistant Professor in the Department of Electrical & Electronics Engineering at Dr. T. Thimmaiah Institute of Technology, holds an M.E. degree and is pursuing a Ph.D. Her area of specialization is Power Electronics. With 18 years of teaching experience and 1 year of industrial experience, A. Sridevi has published 10 technical papers in national and international journals

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**Prof. Ronald Lawrence J**, Assistant Professor in the Department of Electrical & Electronics Engineering at Dr. T. Thimmaiah Institute of Technology, holds an M.Tech and is pursuing a Ph.D. His specialization is in Power Electronics. With 18 years of teaching experience, he has contributed to the academic community by publishing 5 technical papers in national and international journals.



**Prof. S. Subhashini**, Assistant Professor in the Department of Electrical & Electronics Engineering at Dr. T. Thimmaiah Institute of Technology, holds an M.Tech in Power Electronics. With 17 years of teaching experience and 1 year of industrial experience, S. Subhashini has published 6 technical papers in national and international journals and attended 22 workshops. She has guided 40 plus students in their academic projects.

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**Prof. Dhanalakshmi V**, Assistant Professor in the Department of Electrical & Electronics Engineering at Dr. T. Thimmaiah Institute of Technology, holds an M.E. in Power Electronics. With 19.5 years of teaching experience, Dhanalakshmi V has published 13 technical papers in national and international journals and attended 10 workshops & 20 FDPs.

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**Prof. Jillian Rufus J**, Assistant Professor in the Department of Electrical & Electronics Engineering at Dr. T. Thimmaiah Institute of Technology, holds an M.Tech in Power Electronics. With 10 years of teaching experience and 6 months of industrial experience, Jillian Rufus J has contributed to the academic field by publishing 5 technical papers in national and international journals and attending 10 workshops & 20 FDPs.

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**Prof. Daphny Shallet M**, Assistant Professor in the Department of Electrical & Electronics Engineering at Dr. T. Thimmaiah Institute of Technology, holds an M.Tech in Power Electronics. With 10 years of teaching experience and 4 years of research experience, Daphny Shallet M has published 2 technical papers in national and international journals and attended 10 workshops & 10 FDPs.

## Major Facilities:



ELECTRICAL MACHINES LAB



POWER SYSTEM SIMULATION LAB



HIGH VOLTAGE ENGINEERING  
LABORATORY



BASIC ELECTRICAL LAB



POWER ELECTRONICS LAB



ANALOG ELECTRONICS CIRCUITS LAB



MICRO CONTROLLER LAB



CAED

## PLACEMENTS



## MOU's



## CENTER OF EXCELLENCES & TRAINING PARTNERS



## Student Achievements (Years 1989-2024)

Sl. No.	Academic Year	Name	Reg No	Percentage	Rank
1	1989-90	MANI MEHALAI.C	86RC015	73.73	
2	1990-91	VENKATA CHALAPTHI.R	87RC040	79.81	
3	1992-93	KUMARESAN.N	88RC016	86	
4	1992-93	MADHAVI LATHA.A. K	89RC064	90	5
5	1992-93	SRIDHAR.M	89RC045	91	
6	1993-94	ANUPAMA.D. S	90RC003	87.55	
7	1994-95	SHUBHA PRIYA.T	91RC053	90.63	
8	1995-96	HEMALATHA.K	92RC011	78.58	
9	1995-96	KIRAN.C	92RC018	75.87	
10	1996-97	RAGHUALWAR	93RC026	81.16	
11	1997-98	SUDHAKARAN.M	94RC036	76.13	
12	1998-99	BHARAT KOTHARI	95RC011	82.71	
13	1999-2000	SATISH NAVARAJ.M	96GREE1043	81.74	
14	2000-01	SUMA.R. N	97GREE1036	76.39	
15	2001-02	GEETHA R. N	1GV98EE009	78.90	
16	2002-03	SUSHMA.H. R	1GV99EE055	83.40	5
17	2003-04	VINEET MANAU	1GV00EE044	83.34	9
18	2004-05	RAMESH.R	1GV01EE030	84.11	5
19	2005-06	"PALLAVI G.N/PRADEEP KUMAR.G"	1GV02EE016	77.4	
20	2006-07	DIVYA.B. S	1GV03EE014	77.1	
21	2007-08	SHALINI.M	1GV04EE023	76.4	
22	2008-09	HEMANTH KUMAR	1GV04EE017	75.3	
23	2009-10	BADRINATH	1GV06EE004	71.24	
24	2010-11	ANKITA MUKHERJEE	1GV07EE004	80.6	
25	2011-12	NETHRAVATHI	1GV08EE021	79.26	
26	2012-13	KASTHURI.S	1GV09EE010	85.39	8
27	2013-14	POOJA BHARADWAJ	1GV10EE024	72.49	
28	2014-15	GAYATHRI.K	1GV11EE010	77.34	
29	2015-16	SHILPA.C	1GV12EE024	75	
30	2016-17	BRINDHA.M. D	1GV13EE005	79.27	
31	2017-18	JIGYASA CHAND	1GV14EE008	78.75	
32	2018-19	SWETHA S R	1GV15EE018	7.64 CGPA	
33	2019-20	SANGEETHA R	1GV16EE013	8.96 CGPA	
34	2020-21	BHAVANI S	1GV17EE003	9.39 CGPA	7
35	2021-22	LISHA S	1GV18EE005	8.72 CGPA	
36	2022-23	SHAMSEENA S	1GV19EE010	8.74 CGPA	
37	2023-24	MUSKAN QURESHI	1GV20EE006	7.84 CGPA	