

## FACULTY PROFILE

### Personal Information

Full Name: Dr. V. DILLIBABU

Designation: Associate Professor & HOD-I/C

Official Email ID: hodauto@kcgcollege.com

Date of Joining in KCG: 02/08/2021



### Educational Qualifications

Degree	Specialization	University / Institution	Year of Passing
Ph.D.	Biomass Gasification	Anna University	2020
M.E./M.Tech	Energy Engineering	Anna University -CEG	2011
B.E./B.Tech	Mechanical Engineering	Anna University	2009

### ACADEMIC PERFORMANCE

### Experience

Teaching Experience	Industry Experience	Research Experience
13 Years	Nil	1 Year
<b>Total Experience: 14 Years</b>		

### Previous Organization

Name of the Organization	Designation	Period		Experience	
		From	To	Years	Months
KCG College of Technology	Associate Professor	August 2021	-	4	5
Easwari Engineering College	Assistant Professor	August 2018	June 2021	2	10

<b>RMK College of Engineering and Technology</b>	Assistant Professor	June 2015	April 2018	2	10
<b>TJS Engineering College</b>	Assistant Professor	June 2011	April 2014	2	10

### Courses Taught

Undergraduate Courses: Engineering Thermodynamics, Engineering Graphics, Renewable Sources of Energy, Heat and Mass Transfer, Thermal Engineering, Fuels and Lubricants.

### FDPs / Workshops Organized

1. Building Sustainable Smart Industries: Industry 4.0 in Manufacturing, Mobility & Automation, 7<sup>th</sup> – 11<sup>th</sup> July 2025.

### SCIENTIFIC CONTRIBUTION

#### Online Profiles

Google Scholar:

<https://scholar.google.com/citations?user=1Tis5mMAAAAJ&hl=en&authuser=1>

ORCID: <https://orcid.org/0000-0001-9735-8575>

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=57194390757>

Total Number of Research paper	Citations	h-index	i10-index
<b>18</b>	<b>87</b>	<b>5</b>	<b>4</b>

### Research Publications

International Journals:

- 1. V. Dillibabu, E. Natarajan; Green Energy From Biomass Gasification, Journal of chemical and Pharmaceutical Sciences, special issue 7, 182-185, 2015.**
- 2. Dillibabu.V, Natarajan.E; Effect of temperature and equivalence ratio on gasification of biomass, Journal of chemical and Pharmaceutical Sciences, special issue 4, 92-94, 2014.**
- 3. Venugopal Dillibabu; Thangavelu Lakshmanan; Elumalai Natarajan; Air and oxygen gasification simulation analysis of sawdust, Thermal Science, 23, 2 Part B, 1043-1053, 2019.**
- 4. Venugopal Dillibabu; Thangavelu Lakshmanan; Elumalai Natarajan; Energy, exergy and sustainability analysis of rice husk air gasification process, Thermal Science, 23, 2 Part A, 549-560, 2019.**
- 5. Dhanashekar, M; Prakash, S; Dillibabu, V; Redesign of Passenger Emergency Alarm Signal Device in Indian Rail Coaches, International Journal of Advanced Research Trends in Engineering and Technology, 4 (11), 56-61, 2017.**
- 6. Dillibabu V, Aravindhana N, Krishnakumar M, Bibin C; Agglomeration in Fluidized Bed Combustion System, International Journal for Scientific Research & Development, 5 (3), 103-107, 2017.**
- 7. Selvadurai M, Vignesh ponmurugan S, Vijayakumar R, Dillibabu V; Creating a TRNSYS Model of Spiral Flow Flat Plate Solar Water Heater (SFSWH) and Comparing Unique Results with Parallel Flow Flat Plate Collector, International Journal of Innovative Technology and Exploring Engineering, 8 (12s), 49-56, 2019.**
- 8. Mathavan, S; Mothilal, T; Dillibabu, V; Billy, D; Muthu, G; Emission characteristics study of Gasoline-Diesel and Gasoline-Diesel/pentanol blend, IOP Conference Series: Materials Science and Engineering, 988, 1, 12050, 2020.**
- 9. Rajakumaran, V; Dillibabu, V; Lakshmanan, T; Design and modelling of MSW (RDF) gasifier, IOP Conference Series: Materials Science and Engineering, 1130, 1, 12023, 2021.**
- 10. Natarajan, Anbazhagan; Venugopal, Dillibabu; Thangavelu, Lakshmanan; Investigation of biomass gasification simulation using air, steam and oxygen as gasifying agent, Thermal Science, 26, 6 part B, 5109-5119, 2022.**

- 11. Venugopal, Dillibabu; Thangavelu, Lakshmanan; Natarajan, Anbazhagan; Investigation of gasification reactions and H<sub>2</sub>/CO ratio analysis for rice husk air gasification simulation, Thermal Science, 27, 1 Part B, 881-890, 2023.**
- 12. Rajesh, K; Natarajan, MP; Devan, PK; Ponnuvel, S; Dillibabu, V; Arun Kumar, S; Effect of intake air preheat on diesel engine performance fueled with coconut fatty acid distillate biodiesel, Recent Advances in Energy Technologies: Select Proceedings of ICEMT 2021, 451-462, 2022.**
- 13. Dillibabu, V; Gopinath, S; Dharsan, S; Sasidharan, M; Effect of Operating Condition on Permanent Magnet Heating System, International Conference on Sustainable Technologies and Advances in Automation, Aerospace and Robotics, 25-34, 2022.**
- 14. Soundararajan Gopinath; Chidambaranathan Bibin; Rajendran Ashok Kumar; Venugopal Dillibabu; Devarajan Yuvarajan; Plastic pyrolytic oils as renewable fuel: improving its physical properties and ignition patterns by waste renewable source—an experimental analysis, Environmental Science and Pollution Research, 31, 18, 26497-26509, 2024.**
- 15. Thanuj, R; Surajnarayan, S; Karthikeyen, Y; Dillibabu, V; Anti-Theft Vehicle Tracking and Remote-Control System, International Journal of Vehicle Structures & Systems, 15, 5, 2023.**

## **Books / Book Chapters**

**Selvadhurai, M; Vigneshponmurugan, S; Vijayakumar, R; Dillibabu, V; Creating a TRNSYS Model of a Spiral Flow Flat Plate Solar Water Heater (SFSWH) and comparing it to a Parallel Flow Flat Plate Collector: A Recent Study, Advanced Aspects of Engineering Research Vol. 12, 107-123, Book Publisher International.**

## **Patents / IPR**

Indian patent grant - “MAGNETIC INDUCTION FLUID HEATER AND HEATING VESSEL” – Application number-202241017781.

## **Professional Memberships**

Institute of Science & Technology - **Life member**

## **Administrative / Academic Responsibilities**

Head of the Department (I/C)

Department Academic Coordinator

Department NBA Coordinator

Department Project Coordinator

Faculty Advisor

Course Coordinator

Lab In charge