

CURRICULUM VITAE

Dr. S. DHANALAKSHMI, M.E., Ph.D., MIE., MISTE.,
Principal(FAC) & HOD Mechanical Engineering,
Government Polytechnic College,
Cheyyar – 604 407.
T.V.Malai District.Tamilnadu.



I. QUALIFICATION:

1. B.E - Mechanical Engineering - May 2002
Thanthai Periyar Government Institute of Technology, Vellore-2
Madras University.
2. M.E – Manufacturing Engineering – July 2012
Thanthai Periyar Government Institute of Technology, Vellore-2
Anna University.
3. Ph.D (Mechanical Engineering) - March 2021
College of Engineering ,Guindy, Chennai – 25.
Anna University.

II. MEMBERSHIP IN PROFESSIONAL BODIES:

1. The Institution of Engineers (India), IE(I), Life Member–M1742854.
2. Indian Society for Technical Education (ISTE), Life Member.-LM130040

III. PEER REVIEWING

1. Reviewer of Engineering Research Express Journal
2. Reviewer of Materials Research Express Journal
3. Reviewer for Technical Book in English language for "Advanced Manufacturing Processes" course as per the AICTE syllabus.

IV. PROFESSIONAL EXPERIENCE

TEACHING : 22 Years

EXPERIENCE IN TEACHING :

(1) Name of Employer

Directorate of Technical Education, Chennai.

Designation : HOD/Mechanical
Period of employment : 03.05.2021 to Till date

(2) Name of Employer

Directorate of Technical Education, Chennai.

Designation : Lecturer
Period of employment : 27.07.2006 to 02.05.2021

(3) Name of Employer

Rajagopal Polytechnic College, Gudiyattam.

Designation : Lecturer
Period of employment : 04.12.2002 to 26.07.2006

V. RESPONSIBILITIES HELD :

1. **Principal (FAC)** : June 2024 to Till Date
@Government Polytechnic College, Cheyyar. &
August 2021 to April 2022
2. **Vice Principal** : June 2022 to May 2024
@Government Polytechnic College, Cheyyar.
3. **Flying Squad Head for DTE Examinations**
@Government Polytechnic College, Cheyyar.
4. **TFC Co-ordinator, Tamilnadu Engineering Admissions - 2022**
5. **HOD/Mechanical (i/c)** : 2 Years (2011 to 2013)
@TPEVR Government Polytechnic College, Vellore
6. **Placement Officer** : 2 Years (2010 to 2012)
@TPEVR Government Polytechnic College, Vellore
7. **Process Champion** : 1 Year
CIICP
8. **Continuing Education Manager** : 1 Year
CIICP

VI. PUBLICATIONS IN NATIONAL / INTERNATIONAL JOURNALS :

1. Dhanalakshmi, S, & Ramesh Babu, T 2019, Parametric Optimization of CNC Turning on LM25 Aluminum Alloy Using Taguchi Based Grey Relational Analysis, International Review on Mechanical Engineering, vol.13, no.5, pp.311-317
2. Dhanalakshmi, S. and Rameshbabu, T., 2020. Multi-Aspects optimization of process parameters in CNC turning of LM 25 alloy using the Taguchi-Grey approach. Metals, 10(4), p.453.
3. Dhanalakshmi, S. Sathiyamoorthy, S and Rajaram, R., 2020. Selection of Solar Panel using Multi Criteria Decision Making Techniques. International Journal of Technical Innovation in Modern Engineering & Science, 6(5), pp.14-21.
4. Dhanalakshmi, S. and Rameshbabu, T., 2021. Assessment of Green Sustainability Index of a Machining Process Using Multigrade Fuzzy Approach. In Advances in Industrial Automation and Smart Manufacturing: Select Proceedings of ICAIASM 2019 (pp. 233-246). Lecture Notes in Mechanical Engineering, Springer Singapore.
5. Dhanalakshmi, S. and Rameshbabu, T., 2021. Comparative study of parametric influence on wet and dry machining of LM 25 aluminium alloy. Materials Today: Proceedings, 39, pp.48-53.
6. Dhanalakshmi, S. and Rameshbabu, T., 2021. An integrated approach for cutting fluid selection using multiple attribute decision making methods. Journal of Mechanical Engineering and Sciences, 15(1), pp.7860-7873.

VII. INTERNATIONAL CONFERENCE

1. Dhanalakshmi, S. and Rameshbabu, T., 2019. Assessment of Green Sustainability Index of a Machining Process Using Multi Grade Fuzzy Approach , 2019 International Conference on Advances in Industrial Automation and Smart Manufacturing, (ICAIASM 2019)
2. Dhanalakshmi, S. and Rameshbabu, T., 2020. Comparative Study of Parametric Influence on Wet and Dry Machining of LM 25 Aluminium Alloy, 3rd International Conference on Advanced Materials & Modern Manufacturing (ICAMMM 2020).

VIII. FDP's / Training Attended

1. Two Days Faculty Development Programme on "Mechatronics Using Pneumatics" Conducted by TPGIT,Vellore, from 29.09.2008 to 30.09.2008.
2. CIICP Sponsored Two Days Workshop on "Conflict Management" Conducted by Bakthavatsalam Polytechnic College, Kanchipuram, from 20.02.2009 to 21.02.2009.
3. CIICP Sponsored Two Days Workshop on "Generic Soft Skill Development" Conducted by Rajagopal Polytechnic College, Gudiyatham from 25.02.2010 to 26.02.2010.
4. MHRD Sponsored Two Weeks FDP on "Thermodynamics in Mechanical Engineering" Conducted by IIT Bombay at TPGIT, Vellore, from 14.06.2011 to 24.06.2011.
5. MHRD Sponsored Two Weeks FDP on "Instruction Design and Delivery Systems" Conducted by NITTTR,Chennai, from 09.01.2012 to, 20.01.2012.
6. MHRD Sponsored Two Weeks FDP on "Engineering Thermodynamics" Conducted by IIT Bombay at TPGIT, Vellore, from 11.12.2012, to 21.12.2012.
7. TEQIP Sponsored One Week FDP on "Recent Trends in Nano Technology" Conducted by Government College of Engineering, Bargur from 31.01.2013 to 06.02.2013.
8. TEQIP Sponsored One Week FDP on "Recent Advancements in Mathematics and their Applications to Engineering" Conducted by Government College of Engineering, Bargur, from 07.02.2013 to 13.02.2013.
9. AICTE Sponsored Two Weeks FDP on "Recent Trends and Research Challenges in Wireless Networks" Conducted by Government College of Engineering, Bargur from 20.05.2013 to 02.06.2013.
10. AICTE Sponsored Two Weeks FDP on "Instruction Design and Delivery System" Conducted by Rajagopal Polytechnic College, Gudiyattam from 09.12.2013 to 22.12.2013.
11. One Day Workshop on "Research Methodology" conducted by CFD, Anna University on 23.01.2015.
12. CIICP Sponsored Three Days Workshop on "Solar Energy" Conducted by Central Polytechnic College, Chennai, from 21.09.2015 to 23.09.2015.
13. DST-NIMAT, Govt. of India Sponsored One Week FDP on "Entrepreneurship Innovation and Incubation" Conducted by VIT, Vellore from 22.05.2017 to 03.06.2017.
14. AICTE Approved Two Week Faculty Development Programme on "Foundation Program in ICT for Education(FDP101x) " Conducted by IIT Bombay at TPGIT(Remote Centre), Vellore from 08.03.2018 to 12.04.2018.

15. AICTE Approved Two Week Faculty Development Programme on “Pedagogy for Online and Blended Teaching-Learning Process(FDP201x) “ Conducted by IIT Bombay at TPGIT(Remote Centre), Vellore from 03.05.2018 to 30.05.2018.
16. NPTEL – AICTE 12 Weeks FDP on “Non-Conventional Energy Resources” during Jan-April 2019.
17. NPTEL-AICTE 8 Weeks FDP on “Accreditation and Outcome Based Learning” during Aug-Oct 2019.
18. One Week Short Term Course on “Overview of OBE and NBA Process” Conducted by NITTTR, Chennai at Rajagopal Polytechnic College from 17.06.2019 to 21.06.2019.
19. One Week Short Term Course on “ LabVIEW Programming” Conducted by NITTTR, Chennai at Rajagopal Polytechnic College from 08.07.2019 to 12.07.2019.
20. Three Weeks Industrial Training on “Mechanical Engineering Applications in Telecom Industry” at BSNL, Gudiyattm from 18.05.2020 to 05.06.2020.
21. AICTE Sponsored STTP on “PLC Programming and Industrial Automation” conducted by Rajagopal Polytechnic College, Gudiyattam from 07.12.2020 to 12.12.2020.
22. AICTE Sponsored STTP on “Industrial Robotics” conducted by Rajagopal Polytechnic College, Gudiyattam from 25.01.2021 to 31.01.2021.
23. ISTE Sponsored One Week STTP on “Towards New Normal with Ethics & Values for Outcome Based Teaching” Conducted by Rajagopal Polytechnic College, Gudiyattam from 14.03.2022 to 18.03.2022.
24. One Week FDP on “Student Mentorship” Organised by NITTTR Kolkatta from 19.01.2023 to 25.01.2023.
25. One Week FDP on “Evaluation & Designing Question Paper” Organised by NITTTR Kolkatta from 04.05.2023 to 08.05.2023.

IX. PERSONAL DETAILS :

NAME : S. DHANALAKSHMI

DATE OF BIRTH : 1ST June 1981

MARITAL STATUS : MARRIED

NATIONALITY : INDIAN

ADDRESS FOR CORRESPONDENCE :

No.4, Sungu Seetharaman Street,
Pichanoor, Gudiyattam – 632602.

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