

PROFILE

LAKSHMANAN R. B. E., M.E.,
Lecturer (Selection Grade –II) - METALLURGY
Sakthi Polytechnic College, Sakthinagar-638315
E-Mail ID:rlmet88@gmail.com
Mobile No. 99946 99313



EDUCATIONAL DETAILS

DEGREE	SPECIALIZATION	YEAR OF PASSING	CLASS/GRADE	NAME OF THE COLLEGE/UNIVERSITY
B.E.	METALLURGICAL ENGINEERING	MAY 1988	First Class 73.95 %	P. S. G. COLLEGE OF TECHNOLOGY BHARATHIYAR UNIVERSITY COIMBATORE
M.E.	WELDING TECHNOLOGY	MAY 2011	First Class With Distinction 9.35 CGPA	GOVERNMENT COLLEGE OF ENGINEERING, SALEM. ANNA UNIVERSITY, COIMBATORE

BOOKS AUTHORED

SL. NO.	TITLE OF THE BOOK	YEAR	PUBLISHER(S)
1.	“Material Testing and Quality Control”	2016	SKS publishers, Salem.

Prepared the following books as notes for Diploma in Metallurgy under CDC

- ❖ Elements of Physical Metallurgy
- ❖ Ferrous Extractive Metallurgy (Both Iron Making and Steel Making)
- ❖ Mechanical Metallurgy
- ❖ Allied Engineering
- ❖ Metallography lab manual
- ❖ Fuels Testing and Metallurgical Analysis lab manual
- ❖ Metal Testing lab manual
- ❖ Non Destructive Testing lab manual

THEORY SUBJECTS HANDLED

- ❖ Elements Of Physical Metallurgy
- ❖ Production of Iron
- ❖ Allied Engineering
- ❖ Heat Treatment of Metals & Alloys
- ❖ Metal Joining
- ❖ Production of Steel
- ❖ Mechanical Metallurgy
- ❖ Non-Destructive Testing
- ❖ Powder Metallurgy

PRACTICAL SUBJECTS HANDLED

- ❖ Metallography practical
- ❖ Fuels Testing and Metallurgical Analysis Practical
- ❖ Computer Applications Practical
- ❖ Heat Treatment Practical
- ❖ CAD in Metallurgy Practical
- ❖ Non-Destructive Testing Practical
- ❖ Metal Testing Practical
- ❖ Project Work

PAPERS PRESENTED / PUBLISHED

National / International Conferences

SL. NO.	TITLE OF THE PAPER	NAME OF THE CONFERENCE	ORGANIZED BY	DURATION
01.	Failure Analysis of Welded Components and Assemblies in Sugar Industries	National Conference on Technological Advancement in Mechanical Engineering	Jayam College of Engineering and Technology, Dharmapuri	23.03.2011

MEMBERSHIP IN PROFESSIONAL BODIES

1. Life Member in Indian Society for Technical Education Member No. LM 32786

HONORS AND AWARDS

1. Designed and Fabricated Die Casting Machine for P.S.G. Trust Diamond Jubilee Exhibition on 19.01.1987.
2. Won Best project award for my project titled “Testing of Chromium plated steels for cracking” at my UG level at P.S.G. College of Technology, Coimbatore.
3. Won Best Project Award from DOTE, Chennai for the project titled "Design and Fabrication of Standard Sand Rammer” in the academic year 1990-1991.

ANY OTHER INFORMATION

1. **Physical Director i/c** for 4 academic years between 2011-2015 and 2017-2018.
2. **Member Syllabus committee** by **DOTE** for Metallurgy branch for 1999, J, K .L, M and N schemes.
3. **HOD in-charge** for Metallurgy department from June 2016 to JUNE 2020.

4. Acted as Co-coordinator for TNEA 2019 in online Application registration work and Certificate Verification work.
5. **Class in-charge** since 1990 to May 2016.
6. **Manager** in **III** cell under **CIICP** for the period 2004 to 2012.
7. **Executive committee Member** for **CDTP** from August 2016.
7. **ISO Internal Auditor** – ISO 9000:2000.
8. **Placement coordinator** Metallurgy department from 1993 to 2010.
9. Alumni Coordinator for Metallurgy Department.
10. Assistant warden students Boys Hostel between Dec 1988 and June 1993.
11. Member Discipline committee.
12. Flying squad member.
13. Co-coordinator in Central Valuation work.
14. Student counselor.
15. Library book purchase and prize book purchase committee member.
16. Prepared documents for MODROBS (Sanctioned with Rs. 9Lakhs for 2 schemes).
17. Run Reprographic centre for our Institute for 5 years.
18. Held as organizer and Judge for Drama, Individual Instrumental play competitions conducted for **SAKTHI 2000** events at our Institution.
19. Held responsibilities for Stall installations, Traffic regulation and Parking during the **Silver Jubilee celebrations** of our Institute during 2006. Also coordinated with stage decoration committee.
20. Assisted many P. G. Metallurgy and Mechanical students in Material testing and Characterization for their project work.

Training program attended:

Sl. No	Name of the Course attended	Period		Duration		Conducted By
		From	To			
1.	Planning, Design and Development of Instructional Aids in Diversified Disciplines	14.11.1994	17.11.1994	1 Week	4 Days	TTTI, Chennai. QIP

2.	Professional Skills Development in Video Production for Engineering Teachers	20.11.1995	24.11.1995	1 Week	5 Days	TTTI, Chennai. QIP
3.	Non-Destructive Testing with assistance from Indian Society for Non-Destructive Testing, Madras chapter	05.02.1996	09.02.1996	1 Week	5 Days	TTTI, Chennai. QIP
4.	Preparation of Teaching Packages	22.07.1996	26.07.1996	1 Week	5 Days	TTTI, Chennai. QIP
5.	Auto CAD and 3D Studio Max	24.11.2003	05.12.2003	2 Week	12 Days	TTTI, Chennai. QIP
6.	Linux programming & Administration for Polytechnic teachers	22.11.2004	03.12.2004	2 Week	12 Days	SIT, Sakthinagar in association with AICTE and ISTE Sponsored Training Programme.
7.	Basics of NANO Technology and Applications	20.02.2008	22.02.2008	3 Days	3 Days	NITTTR, Chennai. QIP
8.	Multi-Objective Optimization Techniques For Manufacturing Processes	16.04.2012	28.04.2012	2 Week	13 Days	Muthayammal Engineering College, Rasipuram. AICTE Sponsored SDP
9.	Finite Element Method for Engineering Applications (FEMFEA)	20.02.2013	26.02.2013	1 Week	7 Days	Government College of Engineering, Bargur TEQIP-II
10.	Disaster Management	11.05.2013	24.05.2013	2 Weeks	14 Days	KSR College of Engineering, T.gode AICTE sponsored FDP
11.	Processing and Application of Composite Materials (PACM)	21.06.2013	27.06.2013	1 Week	7 Days	Government College of Engineering, Bargur. TEQIP-II
12.	Testing And Characterization of Materials	21.07.2015	27.07.2015	1 Week	7	Government College of Engineering, Salem. TEQIP-II

Short courses/Workshops attended :

Sl. No	Name of the Course attended	Period		Duration	Conducted By
		From	To		
1.	Modern Welding for Casting Defects	07.03.1986		1 Day	Indian Institute of Metals, Coimbatore chapter
2.	Electroplating and Anodizing	22.08.1986		1 Day	Indian Institute of Metals, Coimbatore chapter
3.	Teaching Learning Process	08.01.1995	10.01.1995	3 Days	Sakthi Institute of Technology, Sakthinagar.
4.	Challenges of Technical Education for Vision 2020 State Level Seminar.	19.09.2003	20.09.2003	2 Days	CSI Polytechnic College, Salem. ISTE
5.	Reaching the Unreached: A Challenge to Technical Education National Seminar.	27.12.2003	30.12.2003	4 Days	Kumaraguru College of Tech, Coimbatore. ISTE
6.	Aluminium Melting, Alloying, Metallurgy and Casting Defects Analysis and Remedies	02.08.2005	03.08.2005	2 Days	ALUCAST, Aluminium Casters' Association's Training Programme. Bangalore.
7.	Excel for Scientists And Engineers	20.01.2006	21.01.2006	2 Days	NIT, Trichy, under TEQIP
8.	Accreditation Awareness Programme AICTE sponsored.	27.01.2007	-	1 Day	Bannari Amman Institute of Technology, Sathyamangalam. AICTE
9.	Industry Institute Interaction	02.03.2009	-	1 Day	Thiagarajar Polytechnic College, Salem. CHICP, DTE.
10.	Global Opportunities and Challenges of Technical Students	03.10.2009	04.10.2009	2 Days	Bannari Amman Institute of Technology, Sathyamangalam. ISTE sponsored

Achievements :

1. Achieved 100 % Result in my career at our department, mostly.
2. Strived for 100 % placement for our Metallurgy students.
3. Involved in MODROBS for Metallurgy Department and obtained grant for two projects worth Rs. 9 Lakhs.
4. Developed Metallography lab, Material Testing lab, NDT lab, Fuels Testing & Metallurgical Analysis labs.

5. Facilitated regular visits on Friday to Our Sakthi Auto Components Foundry Division for Metallurgy students.
6. Have provided consultancy services to Metallurgical industries through our students.
7. Designed and Fabricated Die Casting Machine for P.S.G. Trust Diamond Jubilee Exhibition on 19.01.1987.
8. Won Best project award for my project titled “Testing of Chromium plated steels for cracking” at my UG level at P.S.G. College of Technology, Coimbatore.
9. Won Best Project Award from DOTE, Chennai for the project titled "Design and Fabrication of Standard Sand Rammer” in the academic year 1990-1991.
10. Initiated Kabaddi, Kho-Kho and Hand Ball games at our Institution.
11. Won many prizes for our institution team as PED i/c in **IPAA** (Inter Polytechnic Athletic Association) tournaments both at Divisional level and State level – in Sports and Games.
12. Won many prizes for our institution team as PED i/c in **SIICA** (Sakthi Institutions’ Inter Collegiate Athletic Association) tournaments.
13. Conducted Erode Divisional IPAA tournaments for Boys and Staffs teams at our Institute.

NCC Activities:

1. NCC – School level and College level – as CUO – B certificate holder.
2. NCC – Camp Under - Officer.
3. Extended Guard of Honor to our former Chief Minister (Late) Thiru M.G. Ramachandran during his visit to PSG College of Technology for the function of laying foundation stone to PSG Institute of Medical Sciences in the year 1987.
4. Extended Guard of Honor to our former President (Late) His Excellency Gyani Jail Singh during his visit Coimbatore for a function held at PRS grounds, Coimbatore in the year 1986.
5. Selected as the only Sergeant from Coimbatore NCC-Army Wing for representing and participating in **Republic Day Parade** held at **New Delhi** in the year 1987.

Extra-curricular Activities :

1. Coached student teams for Ball Badminton, Hand Ball and Kho-Kho at SPC.
2. Conducted Treasure Hunt competition and Memory power competition for our institutes’ Fine Arts and Literary club every year at SPC.
3. NSS – Active member at school and college level –attended many camps and social developmental activities.
4. Executive member in Dramatic club at PSG College of Technology, Coimbatore.
5. Acted in 6 Dramas at PSG College of Technology – Appreciated by Veteran Actor Thiru. Sivakumar for my performance in a Drama show.