

- **NAME:** Prof(Dr.)J David
- **Experience:** 30 years



- **QUALIFICATIONS:** -

GRADUATION: BE, Madras University
Post Graduation: M.Tech,IIT Madras
Doctoral Degree: Ph.D, University of Kerala

- **PUBLICATIONS:**

1. NATIONAL CONFERENCE

Name of Conference	Title	Year
9 th National Conference on Technological Trends(NCTT08)	Detection of Diabetic Retinopathy through Image Processing Techniques using Slit Lamp Images”	2021
9 th National Conference on Technological Trends(NCTT08)	An effective Approach to Detect Central Serous Retinopathy from Colour Fundus Images	2021
9 th National Conference on Technological Trends(NCTT08)	“ROI Identification in retinal images for detection of incidence of stroke”	2021
9 th National Conference on Technological Trends(NCTT08)	“Tortuosity Measurement of Cluster Operator Segmented Retinal Image”	2021
8 th National Conference on Technological trends(NCTT-07)	“Fractal image compression for diabetic retinopathy”	2007
8 th National Conference on Technological trends(NCTT-07)	“Neural Network based Retinal Image Analysis”	2007

National Conference on Technological trends	“An automated system for Diagnosis of Hypertensive Retinopathy”	2006
National Conference on emerging Trends in computer Science and engineering	“Diagnosis of Diabetic Retinopathy and Diabetes using Retinal Image Analysis	2006
National Conference on Technological trends	“Retinal Image analysis for Diagnosis of cerebral conditions”	2005
National Conference on Technological trends	“Retinal Blood vessel extraction for Hypertensive Retinopathy”	2005
National Conference on Control and Instrumentation System	“Retinal Blood Vessel Segmentation using Connected Components Analysis	2004
16 th Kerala Science Congress	“Detection of Blood Vessel through Image Processing”	2004
International Conference MS ‘07	“Effect of fractal image compression on screening for diabetic retinopathy”	2007

2. INTERNATIONAL CONFERENCE

Name of Conference	Title	Year
IEEE Conference	“Early Detection of Nerve Fiber Layer Defects of Optic Nerve Head Using Image Processing”	2011
11 th National and 1 st International Conference on Technological Trends	“Early Detection of Cardiovascular Diseases from Retinal Images”	2010
11 th National and 1 st International Conference on Technological Trends	Early Detection of Nerve Fiber Layer Defects of Optic Nerve Head Using	2010

	Image Processing”	
International Federation for Medical and Biological Engineering	“Tracing of Central Serous Retinopathy from Retinal Fundus Images”	2009
International Federation for Medical and Biological Engineering	Diagnosis of Diabetic Retinopathy through Slit Lamp Images”	2009
IEEE Congress on Image and Signal Processing	“Neural Network based Retinal Image Analysis”	2008
International Conference MS ‘07	“Effect of fractal Image Compression on Screening for diabetic retinopathy	2007

3. JOURNALS

1. “Diagnosis of Diseases from Retinal Images through Neutral Network’ – Published in the Lectures on modeling and Simulation vol -9
2. “An effective Approach to Detect Central Serious Retinopathy from Colour Fundus Images”- Lectures on modeling and simulation techniques in enterprises.

Major Assignments

1. HOD, electronics and Communication at GEC, Idulkki(2000-2002)
2. P.G Co-ordinator in E & C dept. College of Engineering from 2002-2004 and from 2009 – 2011
3. Co-Ordinated the preparation of the Scheme and Syllabus of M.Tech courses in E &C (2003 scheme and 2009 scheme) of University of Kerala.
4. Co-ordinator of E & C for the 2003 and 2008 B.Tech Syllabus revision of University of Kerala
5. Chairman of examination for both B.Tech and M.Tech in E & C for University of Kerala.
6. Expert committee member of AICTE from 2004 onwards and visited more than 20 institutions in Tamilnadu and Andrapradesh.
7. Member of the Project Implementation committee of the TEQIP in College of Engineering from the very beginning (2003) and actively

involved in the preparation of Dept. and institutional concise proposal for the project.

8. Nodal officer (procurement) of the college for the TEQIP for the five years (2004-2009), two times represented the college at NPIU, New Delhi.
9. Co-ordinated a course under service to community scheme of TQIP “Hands on training of electronics and computer “ for the 10th and +2 students of GHSS Kulathur and Kazhakuttom.
10. Dept. co-ordinator of the evening degree courses from 2004 to 2009
11. Member of the BOG of CET between 2010 -2014
12. Organisation secretary of National Conference on Technological Trends -2009 in CET.
13. HOD (EC and AE), CET from 2011 – 2013.
14. Dean(Research) at CET from July 2013 to Dec- 2013.
15. Principal, Government Engineering College, Painavu Idukki from Dec 2013 to May2015.
16. Principal, College of Engineering Trivandrum from 18/05/2015 to 31/05/2018.
17. Principal, St Joseph’s College of Engineering and Technology, Palai from 11/06/2018 to 31/03/2022.

Membership

Life time member, Indian Society for Technical Education.

Services

Sl No	Period	Designation	Institute
1	01/06/1988- 18/08/1992	Lecturer	College of Engineering, Trivandrum(CET)
2	19/08/1992 – 02/04/1993	Lecturer	GEC, RIT, Kottayam
3	03/04/1993 – 20/06/1994	Lecturer	CET
4	21/06/1994 – 18/01/1995	Asst. Professor	GEC, Kannur
5	19/01/1995 – 29/03/1996	Asst. Professor	GEC, Thrissur
6	30/03/1996 – 23/11/2000	Professor	CET
7	24/11/2000 – 29/10/2002	Professor	GEC, Painav, Idukki

8	30/10/2002 – 21/12/2013	Professor	CET
9	30/12/2013 – 17/05/2015	Principal	GEC, Painav, Idukki