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HARIKRISHNAN N.

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ACADEMICAL BACKGROUND

- Master of Technology in **Electronics & Communication Engineering** with specialization in Optoelectronics and Optical Communication
- Qualified **GATE** in Electronics & Communication Engineering – **GATE 2007**
- Member of **ISTE** (Indian Society for Technical Education)
- 10 and ½ years **teaching experience** as **Assistant Professor** at Thejus Engineering College, Thrissur
- 1 and half years experience in the field of **Biomedical Engineering**.

EDUCATIONAL QUALIFICATIONS

COURSE	SPECIALISATION	BOARD / UNIVERSITY	YEAR	PERCENTAGE	INSTITUTION
M.Tech (Electronics & Communication Engineering)	Optoelectronics & Optical Communication	University of Kerala	2007-2009	79.77	Department of Optoelectronics University of Kerala, Karyavattom
B.Tech (Electronics & Biomedical Engineering)	Electronics & Biomedical	Cochin University	2002-2006	71.80	Model Engineering College, Thrikkakara
12th Standard	SCIENCE	HSE, Board of Kerala	2000-2002	79.35	Sree Narayana HSS, Thrikkannarvattom
10th Standard	SCIENCE	ICSE	1999-2000	68.16	Don Bosco, Vaduthala

- **TEACHING EXPERIENCE** : 10 YEARS and 7 months as **Assistant Professor**
- **INDUSTRIAL EXPERIENCE** : 2 YEARS
- **QUALIFIED WITH ISO AWARENESS & INTERNAL AUDIT TRAINING**

WORK EXPERIENCE IN VARIOUS FIELDS

ORGANISATION	DESIGNATION	DETAILS OF WORK	DURATION
Max Super speciality hospital Vaishali, Ghaziabad, UP	Senior Biomedical engineer	Servicing of medical instruments	May 2021 - Oct 2021
Thejus Engineering College, Thrissur	ASSISTANT PROFESSOR	Taking classes for B.Tech and M.Tech students	June 2010- February 2021 (10 years and 7 months)
Medical Trust Hospital, Ernakulam, Kerala	Biomedical Engineer	Maintenance of medical instruments	July 2007 - Nov 2007 (4 months)
Sri ChitraTirunal Institute of Medical Science and Technology (SCTIMST), Poojappura, Trivandrum	Graduate Apprentice in Biomedical Engineering	Measurements and analysis of pressure, temperature, blood flow, magnetic flux density	Dec2006 - July 2007 (7 months)
Lourdes Hospital Ernakulam	Biomedical Engineer (trainee)	Maintenance of medical instruments	Sept 2006- Dec 2006 (3 months)
National atmospheric research laboratory (NARL) - ISRO Department of Space, Government of India, Gadanki, Tirupati, Andhra Pradesh	Project Student	Remote sensing of atmosphere using laser, telescopes, optical filters for atmospheric studies.	Jan 2009 - Nov 2009
Sutherland (BPO) (Business process outsourcing)	Technical Support Executive	Customer support	Feb 2010 - May 2010 (3 months)

PROFESSIONAL SKILLS

Operating system	:	Windows 98, XP, Vista, 7, Linux
Software	:	MATLAB, Python, LABview, AutoCAD, ProEngineer, Orcad, Circuit maker, MS-Office. BASIC, C,
Hardware	:	Microprocessor, Microcontroller

ACADEMIC PROJECTS:-

M.TECH PROJECT WORK:

Daytime atmospheric measurements using laser remote sensing technique.

The project mainly concentrates in the development of a receiver for a LIDAR (Light detection and ranging) system which includes optical filters such as Fabry-Perot etalon, interference filters and other background noise reduction techniques to do atmospheric studies during daytime. Nd:YAG laser source, telescopes, data acquisition system and various optics comes under this project. The project was successfully completed at National Atmospheric Research Laboratory, Department of space, Government of India, Gadanki, Tirupati, Andhra Pradesh, India.

B.TECH PROJECT WORK:

Holter ECG recorder – portable patient friendly ECG machine.

The work is concentrated in the development of an ECG recording system by interfacing patient electrodes with microcontroller and further storing the signal in an easily portable small size memory card.

ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES:

- Held the position of Department NAAC co-ordinator during 2020-2021
- Held the position of Students association (ELECSTA) coordinator during 2017-19.
- Held the position of *College Magazine Staff editor* for the year 2013-14.
- Achieved cash prizes for producing *excellent* results in three subjects during years 2012-14
- Achieved prizes in *painting* and *Chess* competitions at School level.

PUBLICATIONS (Seminars/Conferences/Books/Patents etc)

- Brain Tumor Detection Using SVM Classifier , International Conference on Emerging Trends in Engineering & Technology ICETET 2015, Thejus Engineering College, Thrissur, Kerala, April 2015.
- Fake biometric detection, International Conference on Emerging Trends in Engineering & Technology ICETET 2015, Thejus Engineering College, Thrissur, Kerala, April 2015.
- Review On Steganography Using Texture Synthesis” has been published in *International Journal of Engineering Research and General Science Volume 4, Issue 2, March-April, 2016*
- “Arithmetic coded data hiding using reversible texture synthesis” has been presented in *International Conference on Recent Trends in Engineering and Technology (ICRTET-16), Ernakulam, July 2016.*

PERSONAL PROFILE

Name : **HARIKRISHNAN N.**
Age : 36 years
Gender : Male
Nationality : Indian
Mother tongue : Malayalam
Languages known : English, Malayalam, Hindi
Marital status : Married
Permanent address : 'ROHINI' House Number: 66/1686,
Correya Road, Pullamveli lane, Pachalam P.O.
Ernakulam District Kerala, PIN – 682012
Mobile : 9447511449
Industrial Experience : 2Years
Teaching experience : 10 Years&7 months

DECLARATION:

I hereby declare that the above furnished details are true to the best of my knowledge.

HARIKRISHNAN N.