

SWARNALAYA,  
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## ARUN P L

### OBJECTIVE

To work in a challenging environment that utilizes my administrative skills in order to built and manage an efficient system of administration which caters the adaptive technology driven ecosystem.

ACADEMIC QUALIFICATIONS			
Year	Institution	Qualification	Percentage
April 2022	Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu.	PhD	Area: Digital Image Processing - Computer Vision
PhD Title: “ <b>DISPARITY MAPPING BASED STEREOSCOPIC IMAGE QUALITY ANALYSIS FOR EFFICIENT MOBILE OBJECT NAVIGATION</b> ”			
June 2007	Noorul Islam College of Engineering, Kumaracoil, Tamilnadu under ANNA University, Chennai	ME in Communication Systems	72%
May 2005	College of Engineering, Perumon, Kollam under CUSAT	B.Tech Degree in Electronics and Communication Engineering	64.75%
March 1999	SMV Higher Secondary School, Thiruvananthapuram	Plus-two	63%
March 1997	Govt. Model Boys High School, Thiruvananthapuram	SSLC	73%

## TECHNICAL SKILLS

<b>Languages</b>	CPP, C Programming
<b>Electronic Tools</b>	Mat Lab in Windows Platform (Version 7.1), Digital Communication Toolbox, Simulink
<b>Operating Systems</b>	Windows 98/2000/XP, Ubuntu

## AREAS OF STRENGTH

Sincerity, Ability to work hard to achieve set goal, Good logical and analytical skills, Optimistic.

## EXPERIENCE (13 YEARS & 9 MONTHS)

- Worked as Lecturer in Electronics & Communication Engineering at T K M Institute of Technology, Karuvelil, Kollam from 2<sup>nd</sup> January 2007 to 31<sup>st</sup> October 2009.
- Worked as JTO (BSNL) at Srinagar, Jammu & Kashmir June 2010 to May 2011.
- Worked as Assistant Professor in Electronics & Communication Engineering at John Cox Memorial CSI Institute of Technology, Kannammoola, Trivandrum from 4<sup>th</sup> July 2011 to 31<sup>st</sup> December 2013.
- Worked as Assistant Professor in Electronics & Communication Engineering at College of Engineering Trikaripur, Kasaragod under CAPE from 1<sup>st</sup> January 2014 to 1<sup>st</sup> July 2017.
- Worked as Assistant Professor in Electronics & Communication Engineering at College of Engineering Muttathara, Trivandrum under CAPE from 3<sup>rd</sup> July 2017 to till date.

## RESEARCH PAPERS

- Presented a paper on “Peak to Average Power Ratio Reduction of an OFDM Signal by Spectral Masking”, in the National Conference, NC-VCom organized by the Department of Electronics & Communication Engineering, saintgits College of Engineering, Kottayam.

- Presented a paper on “Bit Error Rate Improvement of Coded OFDM in Deep Fading Channels” in the National Level Conference, ETES-2008 organized by the Department of Electrical and Electronics Engineering, Noorul Islam College of Engineering, Kumaracoil, Tamilnadu.
- Presented a paper entitled “A novel algorithm for shadow detection and reconstruction in high-resolution satellite images”, in ICEECE'16 at Vivekanandha College of Engineering for women, Tiruchengode, Tamil Nadu.
- Presented a paper entitled "Belief Propagation Random Field with Disparity Map Analyzer for Image Quality Improvement in Detecting Moving Objects.", in International Conference on Networks, Image and Security ICNIS-2019 at Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu on 10th and 11th April 2019.
- Presented a paper entitled "A comparative study of various filtering techniques for stereoscopic vision application", in I-CONCISE 2020 organized by Department of Electronics and Communication Engineering, Marian Engineering College Trivandrum on 14th August 2020.
- Published a paper on “A novel algorithm for shadow detection and reconstruction in high-resolution satellite images”, in The IIOAB Journal, SPECIAL ISSUE: Emerging Technologies in Networking and Security (ETNS), ISSN: 0976-3104.
- Published a paper on "Prewitt Texture Filter Synthesis for Efficient Image Occlusion Removal to Visualize Hidden Objects" in the Journal of Advanced Research in Dynamical & Control Systems, Vol. 11, 07-Special Issue, 2019.
- Published a paper on "Sorensen-Dice Exemplar Image Inpainting Based Occlusion Removal With Bayes Conditional Probability For Remote Traffic Control" in Multimedia Tools and Applications" ISSN: 1380-7501, E-ISSN: 1573-7721, January 2021.

#### **COURSES/TRAINING PROGRAMMES INCLUDING STAFF DEVELOPMENT PROGRAMMES ATTENDED**

- National work shop on " Applications of Digital Signal Processing " held at Amrita Vishwa Vidyapeetham, Ettimadai, sponsored by TCS during March 28-30,2007

- Short term course on " Advances in Optical Communications" sponsored by TEQIP and organized by College of Engineering Trivandrum from April 23-30,2007
- Training programme TETE-07 on "Teaching Effectiveness in Technical Education" from 27<sup>th</sup> to 29<sup>th</sup> June 2007 organized by TKM Institute of Technology.
- National seminar on " Emerging Trends in VLSI Devices using Embedded Systems " organized by Noorul Islam College of Engineering, Kuaracoil, sponsored by AICTE during 5<sup>th</sup>-7<sup>th</sup> November 2007.
- Short term course on " Trends in Wireless Technologies and Telecommunication " held from 16.06.2008 to 22.06.2008 conducted by NSS College of Engineering, Palakkad and sponsored by AICTE and ISTE.
- Faculty awareness camp on Entrepreneurship held from 23.06.2008 to 25.06.2008 conducted by NSS College of Engineering, Palakkad and sponsored by ISTE and NSTEDB.
- Short term course on " Software Tools in Electronics" approved by DTE and sponsored by TEQIP during 28<sup>th</sup> August to 3<sup>rd</sup> September 2008.
- Faculty Development Programme on " Advances in Wireless Communication and Networking " organized by NIT Calicut from 15<sup>th</sup> June 2009 to 26<sup>th</sup> June 2009.
- Faculty Development Programme JIT FDP-20 conducted by John Cox Memorial CSI Institute of Technology, Kannammoola, Trivandrum from 28<sup>th</sup> November to 3<sup>rd</sup> December 2011.
- DTE sponsored Short term training programme titled " Recent Advances in Photonics Technology " organized by GEC Barton Hill for 6 days from 26<sup>th</sup> November to 1<sup>st</sup> December 2012.
- Two days workshop on " Network Implementation and Security " at John Cox Memorial CSI Institute of Technology, Kannammoola, Trivandrum on 27<sup>th</sup> and 28<sup>th</sup> of September 2013.

- Faculty Development Programme on "Soft Computing "organized by TKM Institute of Technology from 16<sup>th</sup> - 20<sup>th</sup> June 2014.
- Faculty Development Programme on " Outcome Based Learning and Teaching " organized by CET School of Management, College of Engineering Trivandrum during October 31- November 2, 2014.
- TEQIP -II sponsored short term training programme on " Control Engineering: Theory and Applications" organized by CE Trikaripur during 8<sup>th</sup>-12<sup>th</sup> December 2014.
- One day workshop for R&D Coordinators of Engineering colleges on " Academic Excellence through Research " on January 31, 2015.
- TEQIP - II sponsored three days workshop on " LaTeX - A document preparation system " organized by College of Engineering, Trikaripur during 27<sup>th</sup>-29<sup>th</sup> April 2015.
- Faculty Development Programme organized and conducted by Teaching Learning Centre, IIT Madras from 21<sup>st</sup> to 23<sup>rd</sup> September 2015.
- Three day training programme on " Hi-Impact Leadership- Blue Print for Success" by Sri. Shiv Khera organized by the Translational research & Professional Leadership Centre (TPLC), GEC Barton Hill from 8<sup>th</sup> to 10<sup>th</sup> October 2015.
- Ten days Faculty Development Programme on " Advanced Signal and Image Processing Techniques " organized by College of Engineering, Thalassery; sponsored by TEQIP II, conducted on 23<sup>rd</sup> November to 4<sup>th</sup> December 2015.
- Workshop on " Strategic Planning for Engineering Colleges" organized by Continuing education cell, College of Engineering Vadakara during February 18, 2016.
- Faculty Development Programme on " Advances in Non Linear Control " from 31<sup>st</sup> March to 6<sup>th</sup> April 2016 organized by College of Engineering, Kidangoor.

- Faculty Development Programme on " Semiconductor Devices, Circuits & Systems- with a Research Perspective " organized by the Institute of Human Resources Development during the period from 04-07-2016 to 09-07-2016.
- Workshop on "Biomedical Image and Signal Processing: Advanced Tools and Techniques" organized by College of Engineering, Karunagappally from 3<sup>rd</sup> August to 5<sup>th</sup> August 2016.
- Participated in the continuing professional development programme on " Smart Technologies for Digital India " 21-24 March, 2017.
- Workshop on " Towards 5G- Technologies and Challenges" jointly organized by IEEE Antennas & Propagation society and ECE, Mar Baselios College of Engineering and Technology from 18<sup>th</sup> to 22<sup>nd</sup> December 2017.
- 5 day Faculty Development Programme on " Internet of Things" organized at Sree Chitra Thirunal College of Engineering, Trivandrum from 22 July 2019 to 26 July 2019.

## **RESPONSIBILITIES HELD**

- Worked as KTU Co-ordinator at College of Engineering Trikaripur.
- Worked as KTU Exam Co-ordinator at College of Engineering Trikaripur.
- Worked as AICTE Co- Co-ordinator at College of Engineering Trikaripur.
- Worked as department association Co-ordinator
- Worked as CUSAT Exam cell member at College of Engineering Trikaripur.
- Worked as Assistant procurement Co-ordinator TEQIP - II at College of Engineering Trikaripur.
- Worked as Co-ordinator of PMKVY project at College of Engineering Trikaripur.
- Worked as Co-ordinator of KEAM admission(for two years)
- Worked as Co-ordinator of Option Facilitation Centre at College of Engineering Trikaripur.
- Acted as tutor for the students in all semesters at College of Engineering Trikaripur.
- Coordinated RACE'16 National Conference on 8<sup>th</sup> and 9<sup>th</sup> March 2016 at College of Engineering Trikaripur.
- Worked as member in KTU Exam cell at College of Engineering Muttathara.

- Worked as Co-ordinator of KEAM admission at College of Engineering Muttathara.
- Worked as Co-ordinator of Option Facilitation Centre at College of Engineering Muttathara.
- Worked as department association Co-ordinator.
- Worked as member in PSC offline Examination at College of Engineering Muttathara.
- Co-ordinator for ISO at College of Engineering Muttathara.
- Deciplinary committee member at College of Engineering Muttathara.
- Acted as tutor for the students upto sixth semester.

<b>PERSONAL DETAILS</b>	
<b>Date of birth</b>	26/05/1982
<b>Sex</b>	Male
<b>Marital Status</b>	Married
<b>Languages Known</b>	Malayalam, English and Hindi
<b>Name of Father</b>	K Palayyan
<b>Name of Mother</b>	G Lancy Bhai
<b>Nationality</b>	Indian

## **REFERENCES**

Prof: Dr. G L Valsala,  
Principal,  
College of Engineering Muttathara  
**+91 9495993197**

Dr. Vinod Pottakulath,  
Principal,  
College of Engineering Trikaripur  
**+91 8289890377**

## **DECLARATION**

I hereby declare that the statements and information furnished above are true to the best of my knowledge and belief and I assure that I shall discharge my duties to the utmost satisfaction of my superiors.

Place: Thiruvananthapuram  
Date : 26/06/2022

**(ARUN P L)**