

ANJU JOSE TOM

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EDUCATION

- **National Institute of Technology (NIT), Calicut, Kerala, India** CGPA: 8.75
Ph.D in Electronics & Communication Engineering. Dec. 2016 – Dec. 2019 (expected)
- **College of Engineering, Cherthala, Kerala, India** CGPA: 9.4
Master of Technology in Signal Processing. Aug. 2014 – May. 2016
- **Saintgits College of Engineering, Kottayam, Kerala, India** CGPA: 8.6
Bachelor of Technology in Applied Electronics and Instrumentation. Aug. 2010 – May. 2014

RESEARCH

- **Ph.D** NIT, Calicut
Area: Moving Object Detection from surveillance videos Dec 2016 - Present
 - **Objective:** To design and implement algorithms for Moving Object Detection (MOD) from surveillance videos which are capable of addressing the challenges such as dynamic background, incompleteness, and subsampling in video data.
- **Post Graduation** CEC, Cherthala
Project Title: Ripplet Transform based Medical Image Compression Aug.2014 - Aug.2016
 - **Objective:** To design and implement algorithms for Medical Image Compression using Ripplet Transform.
- **Membership in Professional Organizations**
 - 1: Institute of Electrical and Electronics Engineers (IEEE)
 - 2: International Society of Automation (ISA)
- **Research Publications**
 - 1: Anju Jose Tom, Sudhish N. George, "A Three Way Optimization Technique for Noise Robust Moving Object Detection using Tensor Low Rank Approximation, $l_{1/2}$ and TTV Regularizations", *IEEE Transactions on Cybernetics*, (accepted), DOI : 10.1109/TCYB.2019.2921827.
 - 2: Anju Jose Tom, Sudhish N. George, "Video Completion and Simultaneous Moving Object Detection for Extreme Surveillance Environments", *IEEE Signal Processing Letters* 2019, vol 26, pp:577-581.
 - 3: Shijila B, Anju Jose Tom, Sudhish N. George, "Simultaneous denoising and moving object detection using low rank approximation", *Future Generation Computer Systems*, Elsevier 2019, vol 90, pp:198-210.
 - 4: Shijila B, Anju Jose Tom, Sudhish N. George, "Moving object detection by low rank approximation and l_1 -TV regularization on RPCA framework", *Journal of Visual Communication and Image Representation*, Elsevier, 2018, vol 56, pp:188-200.
- **Conferences**
 - 1: Anju Jose Tom, Sudhish N. George, "Tensor Total Variation Regularized Moving Object Detection for Surveillance Videos", in *IEEE Int. Conf. on Signal Processing and Communication (SPCOM 2018)*, pp: 327-331, IISc, Bangalore, India, 2018.
- **Awards and Certifications**
 - 1: Prize for Outstanding Student Performance, Department of Applied Electronics and Instrumentation (AEI), Saintgits College of Engineering
 - 2: Prize for best mini project, Department of AEI, Saintgits College of Engineering
 - 3: Certified LabVIEW Associate Developer (CLAD) (Awarded by National Instruments Corporation.)

• References

- **1:** Dr. Sudhish N. George
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Department of Electronics and Communication Engineering,
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- **2:** Dr. Bindhya T
Assistant Professor
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- **3:** Dr. Jimmy Jose
Assistant Professor
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