SAM VARGHESE

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Career objective

To obtain a position that will enable me to use my strong organizational skills, educational background, and ability to work well with people.

Educational Qualification

- ➢ 2017 – Present   Pursuing PhD in the area of Image Authentication based on Cryptographic Techniques in Cochin University of Science & Technology.

- ➢ 2011 – 2013   M.E in Communication Systems from Sethu Institute of Technology affiliated to Anna University Chennai.
  Secured 86.2 % - First Class with Distinction.

- ➢ 2003 – 2007   B-Tech in Electronics & Communication Engineering from Travancore Engineering College affiliated to Kerala University.
  Secured 69.95% - First Class

- ➢ 2000 – 2002   Plus Two from St. Joseph's Higher Secondary School, Trivandrum
  Secured 71.44 % - First Class

- ➢ March 2000   SSLC from Jyoti Nilayam Higher Secondary School, Trivandrum
  Secured 84.83 % - First Class with Distinction

Additional Qualification

- ➢ January 2019   Qualified the UGC- NET (Electronic Science) for eligibility as Assistant Professor

Teaching Experience

- ➢ 2021 – Present   Assistant Professor in Department of Instrumentation, CUSAT

- ➢ 2015 – 2021   Assistant Professor in Division of ECE in Cochin University College of Engineering Kuttanad, CUSAT

  - Total Experience – 6 years

  - Subjects Handled – Information Theory & Coding, Control Systems, Multimedia Communication Systems, Basic Electronics Engineering

- Responsibilities Handled – Addl. Chief Superintendent of Examinations of CUCEK during the period 2016 – 2017.

  I'st year timetable co-ordinator of CUCEK during the period 2017 – 2018.

  Handled the charge of CUCEK PTA STORE run by CUCEK PTA from 2016 – 2021

➢ 2013 – 2015   Assistant Professor in Department of ECE in College of Engineering Perumon (CAPE), Kollam

- Total Experience – 2 years

- Subjects Handled – Information Theory & Coding, Solid State Devices, Radar & Television Engineering, Analog Communication

- Responsibilities Handled – Department Student Attendance co – ordinator of ECE during the period 2014- 2015

Industrial Experience

➢ 2008 – 2011   Junior Engineer (Network Management) in Asianet Satellite Communications Ltd, Trivandrum.

- Total Experience – 3 years 1 month

- Responsibilities Handled – Customer complaint rectification of digital services, supervision of the team, co-ordination & supervision of revenue generation projects.

Contributions / Additional responsibilities handled

➢ Appointed as NTA Representative by National Testing Agency (MHRD, Department of Higher Education, Govt. of India) for the conduct of NEET (UG) – 2019 held on 05-05-2019

➢ Contributed as an invited panel member of the judging committee of the event NIRMAAN T20 – An Intercollegiate Electronics Project Competition and Exhibition held on 18-02-2020 at St. Aloysius College, Edathua.

Areas of interest

Information Theory and Coding, Multimedia Communication Systems

ME project

Performance comparison of Distributed Source Coding Based Image Authentication In Pixel and Transform Domains.

Achievements

- ➢ Awarded 37th rank among the 824 candidates graduated for M.E Communication Systems by Anna University Chennai.

- ➢ Awarded Top 2% Topper among the candidates attended the NPTEL – AICTE course "Introduction to Coding Theory" held during Jan – March 2019

Conferences and Virtual Tec Conclaves

➢ International Conferences

- • Presented paper titled **"Image Authentication based on Distributed Source Coding in transform domain"** in International Conference on Smart Structures and Systems (ICSSS 2017) held on 28th March 2018 organized by Department of Electronics and Communication Engineering & Saveetha MEMS Design Center at Saveetha Engineering College.

- • Participated in the International e-Conference on "**Advanced Functional Materials and Optoelectronic Devices (ICAFMOD -2020)"** organized by Centre for Renewable Energy, Prof. Rajendra Singh Institute of Physical Sciences for Study and Research, VBS Purvanchal University, Jaunpur from 13-06-2020 to 15-06-2020

➢ National Conferences

- • Presented paper titled **"Performance Analysis of Distributed Source Coding based Image Authentication in pixel domain"** in the Sixth National Conference on Recent Trends in Electronic World RETREW'13, held on 15th March 2013 organized by Department of Electronics & Communication at TKM Institute of Technology, Kollam.

➢ Virtual Tec Conclaves

- • Participated in International Virtual TEC Conclave 2020 organized by IEEE IA/ IE/ PELS Jt. Chapter Kerala on 12th -14th June 2020.

Leadership / Organizing skills

- ➢ Contributed as Faculty coordinator for **"Sasthrayaan – A Technical Event"** conducted at Seminar complex, CUSAT during 27th and 28th February 2018.
- ➢ Contributed by leading the event **"Workshop on Internet of Things"** of the technical fest **INNOVIA 2k18** held at Cochin University College of Engineering Kuttanad, CUSAT during 18th to 20th of January 2018.
- ➢ Contributed as Faculty coordinator of Division of ECE for various competition events and technical exhibition organized as part of technical festival of CUCEK **"INNOVIA 2k18"** held during 18th to 20th of January 2018.

SWAYAM / AICTE (ATAL) / NITTTR recognized Faculty Training Programs

➢ Participated and successfully completed 12 weeks **NPTEL – AICTE** Faculty Development Program on **"Image Processing"** with a consolidated score of **77%** held during Jul – Oct 2018.

➢ Participated and successfully completed 12 weeks **NPTEL – AICTE** Faculty Development Program on "**Cryptography and Network Security"** with a consolidated score of **77 %** held during Jan – April 2019.

➢ Participated and successfully completed 8 weeks **NPTEL – AICTE** Faculty Development Program on "**Introduction to Coding Theory"** with a consolidated score of **75 %** held during Jan – March 2019.

➢ Participated and successfully completed 5 days **AICTE Training and Learning Academy (ATAL)** online Faculty Development Program on "**Internet of Things"** from 30-04-2020 to 04-05-2020 held at **Indian Institute of Information Technology Nagpur**.

➢ Participated and successfully completed 5 days **AICTE Training and Learning Academy (ATAL)** online Faculty Development Program on "**Augmented Reality (AR) / Virtual Reality (VR)"** from 25-05-2020 to 29-05-2020 at **University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra**.

➢ Participated and successfully completed 5 days **AICTE** Recognized online Faculty Development Program on "**Image and Embedded Processing"** from 11-05-2020 to 15-05-2020 organized by Electronics and Communication Engineering Department **NITTTR**, **Chandigarh**.

➢ Participated and successfully completed 5 days **AICTE** Recognized online Faculty Development Program on "**Technological Interventions using Wireless Communication"** from 18-05-2020 to 22-05-2020 organized by Electronics and Communication Engineering Department **NITTTR**, **Chandigarh**.

➢ Participated and successfully completed 5 days **AICTE** Recognized online Faculty Development Program on "**VLSI Physical Design Techniques"** from 15-06-2020 to 19-06-2020 organized by Electronics and Communication Engineering Department **NITTTR**, **Chandigarh**.

➢ Participated and successfully completed 5 days **AICTE** Recognized online Faculty Development Program on "**Advances in Antenna Design Techniques and simulations using CST Studio Suite"** from 22-06-2020 to 26-06-2020 organized by Electronics and Communication Engineering Department **NITTTR**, **Chandigarh**.

➢ Participated and successfully completed 5 days **AICTE** Recognized online Faculty Development Program on "**Nanoelectronics Devices and Circuits Design"** from 06-07-2020 to 10-07-2020 organized by Electronics and Communication Engineering Department **NITTTR**, **Chandigarh**.

Faculty Development Programs

➢ Participated in the TEQIP II sponsored 2-week Staff Development Program on "**Recent Advances and Developments in Communication System"** from 04-04-2016 to 16-04-2016 organized by Electronics and Communication Engineering Department **College of Engineering Perumon.**

➢ Participated in the Short-term course on "**Teaching and Research: Effective, Innovative and Motivational Approaches"** from 17-04-2017 to 28-04-2017 organized by **Cochin University College of Engineering Kuttanad, CUSAT.**

➢ Participated in the Short-term Training Program on "**Outcome Based Education (OBE) and Effective Teaching Methodologies"** from 16-04-2018 to 26-04-2018 organized by **Cochin University College of Engineering Kuttanad, CUSAT.**

➢ Participated in 5 days Online Short-Term Training Program on **"MATLAB based Teaching – Learning in Mathematics, Science & Engineering"** from 18-05-2020 to 22-05-2020 organized by **Ramrao Adik Institute of Technology, Navi Mumbai.**

- Participated in Short term training program on "**Learning Management system - Moodle"** from 10-08-2020 to 14-08-2020 organized by Department of Mechanical Engineering, **National Institute of Technology Warangal.**

- Participated in IIIC –TEQIP II sponsored 5 days Staff Development Program on "**Robotics and Embedded Systems"** from 03-09-2013 to 07-09-2013 organized by Electronics and Communication Engineering Department **College of Engineering Perumon.**

Seminars / Workshops

- Participated in Hands on workshop on "**Effective and Efficient Online Teaching in the Age of Corona"** on 16th May 2020 organized by Teaching Learning Centre (ICT) **IIT Bombay**.

- Participated in Hands on workshop on "**The Bodhitree and SAFE Tools for Effective Online Teaching"** on 20th June 2020 organized by Teaching Learning Centre (ICT) **IIT Bombay**.

- Participated in Online workshop on "**IEEE Reference Management Tool for Research Articles and Thesis Writing"** on 20th May 2020 organized by **IEEE Bangalore Section Researchers Forum.**

- Participated in DRDO sponsored National Level Seminar on '**RECENT ADVANCES IN WIRELESS SENSOR NETWORKS**' held on 10th and 11th February 2012 organized by **Sethu Institute of Technology.**

- Participated in DIT sponsored National Level Seminar on '**SECURITY ISSUES IN MOBILE AD-HOC NETWORKS**' held during 2nd and 3rd August 2012 conducted in **Sethu Institute of Technology.**

- Participated in DST sponsored National Level Seminar on '**CHALLENGES IN REMOTE SENSING AND GIS** held during 25th and 26th March 2013 conducted in **Sethu Institute of Technology.**

Personal profile

Name	:	Sam Varghese
Gender	:	Male
Religion	:	Christian
Caste	:	Latin Catholic other than Anglo Indian
Nationality	:	Indian
Father's name	:	Thomas Varghese
Date of birth	:	02.11.1984
Mobile No	:	9995209568

Declaration

I hereby declare that the particulars of information and facts stated above are true and correct and complete to the best of my knowledge and belief.

Thiruvananthapuram   SAM VARGHESE

22-01-2022