

**Faculty Name: R.KALPANASONIKA**

**Educational Qualification:**

Degree	Branch	Institution	Year
B.E.,	CSE	Maharaja engineering college for women	2008-2012
M.Tech,	CSE	Karunya university	2012-2014

**Experience:**

Period	No. of. Years	Designation/ Nature of job	Institution/Organization
Feb 2015- sept 2016	1 year 8 months	Assistant Professor	Avinashilingam University
May 2017- till date	1 year 5 months	Assistant Professor	Sri Krishna college of technology

**Area of Specialization:**

- ★ Computer networks, Image processing (Steganography)

**FDP/ Workshops Attended:**

**FDP:**

- ★ Attended FDP on “**Mobile App Development**” Organized by the department of IT at Sri Krishna College of technology on 24.5.17 and 25.5.17.
- ★ Attended FDP on “**Quick**” at SKCET.
- ★ Attended FDP on “**Machine learning**” Organized by the department of CSE at Sri Krishna College of technology on 07.12.17 and 08.12.17.
- ★ Attended FDP on “**Block chaining**” at **Amrita University** from 15<sup>th</sup> to 17<sup>th</sup> march 2018.
- ★ Attending Faculty Induction program at **IIT Kanchipuram** (7.5.18 to 31.5.18)

## **WORKSHOPS:**

- ★ Participated in the National level Workshop on Advanced technologies for responsive web development” at Karunya University.
- ★ Participated in the National Workshop on medical image diagnostics at Karunya University.
- ★ Participated in the National Workshop on Image processing, computer vision and machine learning at Karunya University.
- ★ Participated in 2 day hands-on workshop in BOSS.

## **Events Organized:**

- ★ Organized a guest lecture on the topic “Overview on undergraduate project” at Avinashilingam University.  
**Speaker:** Dr. Ramesh, research scholar, Wyoming University USA.
- ★ Organized a Guest lecture for Engineers day at Avinashilingam University.  
**Speaker:** Mr.Immran Mohamad SAP Technical trainer ppp group, trichy.
- ★ Organized a guest lecture on “PHP Basic” at Avinashilingam University.  
**Speaker:** Mr A.Syed Haroon Technical Head (Senior Grade) Accent Techno Soft.
- ★ Organized a guest lecture on “Cloud computing” at Avinashilingam University.  
**Speaker:** Mr Sabil, software developer VEEE Technologies, Coimbatore.
- ★ Co-ordinated Non-Technical activity in “ADVAITA-2016 Symposium” at Avinashilingam University.

## **International Journal:**

- ★ Enhanced security credentials for image steganography using QR code” Paper got accepted to publish in springer through ICACNI 2018.
- ★ Published a chapter named “A Resilient Digital Watermarking Exploiting Spatial and Frequency Domain against Image Hackers” in Springer e Book- Informatics and Communication Technologies for

Societal Development 2015, pp. 167-172. ISBN: 978-81-322-1915-6 (Print)  
978-81-322-1916-3 (Online).

- ★ Published a paper “A scrutiny on digital watermarking technique” in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 12, December 2013 pp 175-179  
ISSN: 2277 128X

### **International / National Conferences:**

#### **International conference:**

- ★ Presented a paper “Enhanced security credentials for image steganography using QR code” **NIT SILCHAR.**
- ★ Presented a paper “A Resilient Digital Watermarking Exploiting Spatial and Frequency Domain against Image Hackers” in Informatics and Communication technologies for societal development -2014 at karunya university.
- ★ Presented a paper “An Efficient Ranking Approach for Sketch Based Image Retrieval” in ICCTET 2016 at Akshaya College of Engineering and technology.
- ★ Presented a paper “A novel approach for video instance retrieval using window technique” in ICATRPD-2016 at Kathir College of engineering.

#### **National Conferences :**

- ★ Presented a paper “Malicious Image Hacking Avoidance Exploiting Digital Watermarking Techniques” in NCRTIC 2014 at maharaja engineering college for women.
- ★ Presented a paper “Android Application on Location finding and forecasting” in NCICIC 2012 at Sasurie college of Engineering.

#### **Certifications:**

- ★ Certified in “**AUTODESK MAYA – 3D Animation**”

### **Online courses completed:**

- ★ **NPTEL Course** on Introduction to Operating systems.

### **Other relevant Details:**

- ★ **First Rank holder** during the period **2012-14** at **Karunya University**.
- ★ Received **Studios student Award** of period **2012-2014** from Karunya University.
- ★ **Best project award 2014** received from Association of Computer Science Engineers (ACE) at Karunya University.
- ★ Secured **1st place in web designing competition** conducted by conevo (Sweden Company) at Karunya University.

### **Major Strengths:**

- ★ I am a workaholic person.
- ★ Steadfast person.