ICT / Computer Science Teacher

SHAMALA DEVI MUTHURAJAH

Contact

Address:
No: 6, Jalan Villa Perdana 2 , Taman Villa Perdana, 43000 Kajang, Selangor Darul Ehsan , Malaysia.

Phone:
+60 (0)17 474 9681

Email:
shamdevrajah2020@gmail.com

Languages

English
Malay
Tamil

Hobbies

- Community Services
- Outdoor activities
- Photography
- Performing arts
- Track & Field
- Netball

Personal Summary

A committed coordinator cum computing teacher with over 15 years of experience in **primary** & **secondary** IB, IGCSE and Malaysian Curriculum at leading international schools and teaching students from various social and cultural backgrounds, possessing excellent administrative skills, verbal communication and written skills along with constructive and effective teaching methods that promote a stimulating learning environment. Able to work in a managerial role and as part of team andhaving the proven ability to successfully work to tight schedules and deadlines.

Key Competencies and Skills

- Technological skills
- Curriculum development
- Classroom management
- Teamwork
- Lesson planning / assessment
- Leadership

Experiences

ICT / CS Teacher - 08/2021 – current
Reigate Grammar School Kuala Lumpur., Selangor (Malaysia)
ICT & Computer Science: KS1 - KS4 (British Curriculum)

- **Implemented Project-Based Learning** – Designed and facilitated hands-on, project-based learning experiences that encouraged students to develop real-world problem-solving skills. Guided students in creating interactive websites, and digital presentations to enhance their understanding of ICT and Computer Science concepts.

Lead ICT / CS Teacher - 08/2021 to 10/2021 (Maternity Cover – HYBRID)
Nilai International School, Negeri Sembilan (Malaysia)
ICT & Computer Science: KS3 - KS4 (British Curriculum)

- **Integrated AI-Powered Tools in Teaching** – Incorporated AI-powered educational tools and platforms to enhance student engagement and personalize learning experiences. Introduced students to emerging technologies such as machine learning, data science, and automation through interactive activities and discussions.

Head of Malay & History - 12/2018 to 12/2020
Rafflesia Private Secondary School, Selangor (Malaysia)
ICT / Malay Language/Malaysian History (Malaysian Curriculum)

- **Developed Cybersecurity and Digital Literacy Curriculum** – Designed and implemented lessons on cybersecurity, online safety, and ethical digital practices to equip students with essential knowledge for responsible internet use.

ICT Teacher - 02/2014 to 12/2018
Edu House Homeschool, Sabah (Malaysia)
ICT & Malay Language – (IB / British Curriculum)

- **Initiated Programming and Coding Programs** – Introduced various programming languages such as Python, and Scratch, enabling students to build innovative tech projects.

Education

Master of Education in Curriculum & Pedagogy (2020)
National University Malaysia (UKM)Selangor , Malaysia.

Bachelor of Computer Science (2003)
Foundation of Science (2000)
De Montfort University (DMU) Leicester, United Kingdom(UK)

Malaysian Certificate of Education (1998)
Sijil Pelajaran Malaysia (SPM)
Ampang Road Girls' School (ARGS)Kuala Lumpur, Malaysia.

Certifications

IB Educator Certificate
International Baccalaureate, UK

Hodder Education Primary Computing Certificate, UK

Teaching Strategies

- Educational technology
  - Google Classroom
  - Moodle
  - Kahoot / Quizzes
- Interdisciplinary
  - Humanity with Malay Language
  - ICT with Malay Language
- Pedagogy
  - Project Based Learning
  - Inquiry Based Learning
  - Gamification
  - Community Based Learning
  - Theme Based Learning

Future Studies

- **PhD in Education**
- **PGCE**

IT / Finance Executive - 09/2012 to 01/2014
DBS Offshore Bank, Labuan Island (Malaysia)

- **IT Infrastructure Management** – Oversee and maintain secure IT systems, networks, and data management solutions to ensure seamless banking operations.
- **Cybersecurity & Compliance** – Implement and monitor cybersecurity protocols to protect sensitive financial data, ensuring compliance with offshore banking regulations.
- **Financial Systems Optimization** – Manage and enhance banking software, transaction processing systems, and digital banking platforms for improved efficiency.
- **Risk Assessment & Mitigation** – Analyze IT and financial risks, develop strategies to mitigate threats, and ensure business continuity.
- **Cross-Departmental Collaboration** – Work closely with finance teams to streamline operations, automate reporting, and integrate financial technology solutions.

IB Malay Language Lead - 09/2008 to 08/2011
Fairview International School, Kuala Lumpur (Malaysia)
ICT & Malay Language - PYP / MYP (IB Curriculum)

- Teach ICT & Malay as second language, conveying information to students in an interesting way and use a wide range of course books, other materials, and a variety of audio-visual aids. There is a strong emphasis on dialogue and role-playing, language games and literature.
- Coordinate and supervise all computer lab activities & accompanied students on field trips to Shell IT Service, DELL and IBM.
- Advisor for Interact Club & Badminton Club

Assistant Manager (IT) - 05/2003 to 07/2008
Ranbaxy Malaysia, Kuala Lumpur (Malaysia)
Experienced IT lead specialising in system administration, network security, and IT infrastructure. Skilled in project management, troubleshooting, and implementing technology solutions to enhance efficiency, cybersecurity, and overall business operations.

References

- Mr. Charles Dormer: charles.dormer@bisp.edu.my
  Head of English, XCL International School, Penang
  Ex-Principal , Nilai International School

- Mr. Shariman : shariman.effendi@beaconhouse.edu.my
  Head of IT - Southeast Asia (Regional Office), Malaysia
  Beaconhouse Schools.