

Curriculum Vitae

Name : Alexander G.

Office Address : Joint Director (Scientist –E)
Health & Software Technologies Group
Centre for Development of Advanced
Computing(C-DAC), Vellayambalam,
Thiruvananthapuram - 695033

Academic Qualifications:

Degree/Diploma	Year	Institution
Ph. D in Technology Management	2015	Department of Futures Studies, Kerala University
M. Tech in Computer & Information Sciences	1994	Cochin University of Science & Technology, Kerala
Post Graduate Diploma in Operations Management	2000	IGNOU, New Delhi
Advanced Diploma in Management	1993	IGNOU, New Delhi
AMIE in Electronics & Communication Engineering	1989	Institution of Engineers (India)
Diploma in Electronics Engineering	1981	Central Polytechnic, Trivandrum

Professional Career:

Position Held	Year	Institution
Joint Director	2007 - cont	CDAC, Thiruvananthapuram
Deputy Director	2003 - 2006	CDAC, Thiruvananthapuram
Sr. Scientific Officer	1999 - 03	ER&DCI
Scientific Officer	1993 - 98	ER&DCI
Development Engineer	1990 - 93	ER&DCI
Technical Assistant	1984 - 90	ER&DC (Keltron)
Supervisor	1982 - 84	Keltron Controls, Aroor

Project Experience:

Sr.No	Project Name	Client	Role
1	GPS based Vehicle Tracking and Management System	Motor Vehicle Department, Kerala Government	Project Manager
2	Route Management System	Motor Vehicle Department, Kerala Government	Project Manager
3	Consultancy Project for e-governance implementation in Universities, Directorate of Collegiate Education & Directorate of Technical Education	Department of Higher Education, Kerala Government	Project Manager
4	Managing and Tracking of Hazardous Vehicles running in Kerala	Motor Vehicle Department, Kerala Government	Project Manager
5	Consultancy work for e-Governance implementation	Travancore Devaswom Board	Project Manager
6	Consultancy work for Crime & Criminal Tracking and Network Systems	Kerala Police	Project Manager
7	Hospital Information System for Medical College Hospital, Trivandrum	Department of Health, Kerala Government	Project Manager
8	Online Recruitment Management System as SaaS Model	Rubber Board, Kottayam	Project Manager
9	Data Management System for Oncology	RCC Trivandrum	Project Manager

10	Human Resources Portal	Department of Health, Govt. of Kerala (MCIT, GOI sponsored)	Project Manager
11	Knowledge Management based Smart Hospital Information System	Research Advisory Committee	Project Manager
12	Purchase & Inventory Management System	C-DAC, Trivandrum	Project Manager
13	Setting Up & Operation of Telemedicine Centres in Kerala	NRHM, Department of Health, Govt. of Kerala	Project Manager
14	Recruitment Management System	C-DAC, Trivandrum	Project Manager
15	Preparation of RFP for KHRWS Computerisation	KHRWS, Department of Health, Gov. of Kerala	Project Manager
16	BMC & Telephone Monitoring System	C-DAC, Trivandrum	Project Manager
17	Hospital Management System	Cosmopolitan Hospital, Trivandrum	Project Manager
18	Administrative Application suite for Health Directorates	Department of Health, Govt. of Kerala	S/W Developer
19	Payroll Management System	C-DAC, Trivandrum	Project Manager
20	Consultancy project for Core Banking Solution for KSCB	Kerala State Cooperative Bank	Consultant
21	Consultancy project for Core Banking Solution for KDCB	Kollam District Cooperative Bank	Consultant
22	NEETHI MEDICAL Scheme - Statewide drug distribution system	ConsumerFed, Kochi	S/W Engineer
23	Airport Accounts Management System	National Airport Authority, Trivandrum	S/W Engineer
24	Microprocessor based Traffic Control Systems	KELTRON	Development Engineer
25	Microprocessor based Railway Ticket Issuing Machine	Indian Railways	Development Engineer

Technical Consultancy:

1. State Insurance Department, Govt of Kerala
2. IT @ School, Poojapura, Govt of Kerala
3. Kerala State Co-operative Agricultural & Rural Development Bank
4. Information Kerala Mission, Govt of Kerala
5. Transport Commissionerate, Govt of Kerala
6. Local Fund Audit Department, Govt of Kerala
7. Kerala State Co-operative Bank
8. Kollam District Co-operative Bank

Professional Memberships:

1. Fellow of Institution of Engineers (India)
2. Member of Institution of Electrical & Electronic Engineers (IEEE, USA)
3. Member of Computer Society of India.

Technical Guidance:

Guided several student projects for Engineering and Management degrees.

Project guidance given in the following areas:

- Regional Language Printing Software
- Railway Ticketing Software
- Point of Sale applications
- Health Information Systems
- Airport Accounts Management System

Areas of interest:

Knowledge Management, Artificial Intelligence, Data Analytics, Smart Hospital.

Technical Papers Presented/Published:

Title of the Paper	Name of Journal	Date of Publication
Design of High Performance Cluster based Map for Vehicle Tracking of public transport vehicles in Smart City	2017 IEEE Region 10 Symposium (TENSYP) - Technologies for Smart Cities	July 2017
IoT Middleware for Smart City	2017 IEEE Region 10 Symposium (TENSYP) - Technologies for Smart Cities	July 2017
A Knowledge Framework to Search Similar Disease Patterns using Data Mining	IEEE International Advance Computing Conference	Mar 2009
ONCONET – A pioneering effort for Cancer Care in India	Summer School on “e-Healthcare”, IIIT Allahabad	Jul 2009
IT Enabled Healthcare Systems	National Technical Seminar - TecDac07	Jan 2007
Health Management Information System in the Kerala State	European Commission Conference	Jan 2006
Role of Electronics in Traffic Management	12 th National Convention of Electronics & Telecommunication Engineers	Oct 1996
Ticket Issuing Machine	ERDC Technical Seminar	Yr 1991
Versa TMS – Traffic Management System	ERDC Technical Seminar	Yr 1991

