

Engineering

- Asset Management Consultant (Part Time) - Colombo Municipality Greater Colombo Sewerage Project (EML Consultants)
- Visiting Professor - Northshore College, Colombo 15

June 2010 July 2013 – Professor of Civil Engineering, University of Moratuwa

- Teaching undergraduate courses, (i) Contract Administration and Law (ii) Construction Management (iii) Building Construction and Materials and (iv) Engineering Cost Estimation
- Teaching postgraduate courses for the
 - M.Sc. in Construction Project Management
 - M.BA in Project Management
 - Supervising postgraduate and final year undergraduate projects.
- Research in Project Management, Management Information Systems, Computer Aided Estimating, Cost Effective Building Construction Methods and Materials,
- Consultancy in Project Management, Computer Aided Estimating, Contract Administration, Cost Effective Construction Methods and Materials
- Course-Coordinator, Post Graduate M.Sc./Diploma in Construction Project Management, 2010/01
- Lecturer for two e-learning two modules (Project Management and Management Information Systems) of Bachelor of Information Technology, Distance learning, University of Moratuwa
- Lecturer-in-charge, Management Information Systems Laboratory, Dept. of Civil Engineering. 2001 to date

February 1990 to June 2010 – Senior Lecturer in Civil Engineering, University of Moratuwa.

- Teaching undergraduate courses, (i) Contract Administration and Law (ii) Construction Management (iii) Building Construction and Materials and (iv) Engineering Cost Estimation
- Teaching postgraduate courses for the
 - M.Sc. in Construction Project Management
 - M.Eng in Water Resources Engineering and Management
 - M.BA in Information Technology
 - M.BA in Management of Technology
 - Supervising postgraduate and final year undergraduate projects.
- Research in Management Information Systems, Computer Aided Estimating, Cost Effective Building Construction Methods and Materials,
- Consultancy in Computer Aided Estimating, Contract Administration, Cost Effective Construction Methods and Materials
- A leading member, University team assessing damages due to floods & landslides May 2003.
- Head, Construction Engineering and Management, Dept. of Civil Engineering, University of Moratuwa 2001 to date, 1996 – 1999
- Course-Coordinator, Post Graduate M.Eng./Diploma in Construction Management, 1992/93, 95/96,

- Course-Coordinator, Post Graduate M.Sc./Diploma in Construction Project Management, 2001/02, 02/03

August 1999- March 2000 – Research Fellow, Department of Construction Engineering, Faculty of Architecture, A&M University, College Station, Texas, USA.

- Research in cost effective construction methods and materials

September 1985 to February 1990 – Post Graduate Research Student, Loughborough University of Technology, U.K.

Completed M.Sc. in Construction

Completed Ph.D. Construction Management (Cost Effective Designs)

June 1984 to January 1990 (on leave from September 1985) - Assistant Lecturer in Civil Engineering, University of Moratuwa.

- Teaching undergraduate courses, i.e. (i) Strength of Material and (ii) Design of Structures.
- Consultancy in Construction Engineering and Structures.

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- Member, Sri Lanka Association for the Advancement of Science
- Member, Institute of Project Management, Sri Lanka

SERVICES OUTSIDE UNIVERSITY

1. President, Section C, Engineering, Architecture and Surveying, Sri Lanka Association for the Advancement of Science 2001
2. Council Member, Sri Lanka Association for the Advancement of Science 2001, 2002, 2003
3. Committee member, Section C, Sri Lanka Association for the Advancement of Science 2003, 2004, 2005

PUBLICATIONS IN REFEREED JOURNALS & PROCEEDINGS OF CONFERENCES

1. Nanayakkara, Samudaya; Perera, Prasad and Perera Asoka, Factors Influencing Selection and Effective Implementation of ERP Systems in Medium Sized Organizations in Developing Countries, International Journal of the Computer, the Internet and Management Vol.21 No.2 (May-August, 2013) pp 7-14
2. Perera, A.A.D.A.J., Web Based Information Systems for the Construction Industry, Transactions Institute of Engineers Sri Lanka, 2012.

3. Perera A.A.D.A.J. and Ranasinghe L.K. Post Occupancy Evaluation of Green Buildings for Resilient Homes, 3rd Asia Pacific housing forum, Sustainable housing in a Age of Climate change and Disasters, Bangkok Thailand, September 7-9 2011.
4. Jayasinghe, C., Perera A.A.D.A.J. and West S. The Application of Hand Moulded Stabilized Earth Blocks for Rural Houses in Sri Lanka, EarthBuild 2005, International Earth Building Conference, University of Technology, Sydney, 19-21 January 2005.
5. Perera, A.A.D.A.J. & Imriyas, K., KBS for Construction Cost Control, Institute of Engineers Sri Lanka, Transactions 2004.
6. Perera, A.A.D.A.J., & Imriyas, K., Integrated construction project cost information system using MS Access and MS Project, Construction Management and Economics, Spon Press, U.K. March 2004.
7. Perera, A.A.D.A.J. & Jayasinghe, C. Strength characteristics and structural design methods for compressed earth block walls, Masonry international, Journal of The British Masonry Society, Vol 16, No.1 1-38, 2003.
8. Perera, A.A.D.A.J. & Imriyas, K., KBS for Construction Cost Control, The Association for the Advancement of Cost Engineers, USA, 2003
9. Perera, A.A.D.A.J., Management Information Systems for Contractors, Transactions, PP 102-111 October 2001, institution Engineers, Sri Lanka.
10. Jayasinghe, C. & Perera, A.A.D.A.J., Hand moulded cement stabilized soil blocks as a walling material, Transactions, PP 170-185 October 2001, institution Engineers, Sri Lanka.
11. Perera, A.A.D.A.J., & Imriyas, K., Integrated Project Cost System, Engineering Research Unit Annual Symposium - in Transactions 2001, University of Moratuwa
12. Jayasinghe, C. and Perera, A.A.D.A.J. An alternative Concrete floor Slab System for residential buildings, vol XX)U II, No: 2, PP 54-65, September 2000.
13. Jayasinghe, C. and Perera, A.A.D.A.J. .Precast reinforced concrete beam slab bridges for small spans - in Transactions, PP 74-85, October 2000, Institution of Engineers, Sri Lanka.
14. Jayasinghe, C. and Perera, A.A.D.A.J. Load Testing on Precast reinforced concrete slab system in Transactions, PP 96-106 October 2000, Institution Engineers, Sri Lanka.

15. Jayasinghe, C. and Perera, A.A.D.A.J. Stabilised soil block technology for Sri Lanka, Engineering Research Unit Annual Symposium - in Transactions PP 147-160 1999, University of Moratuwa,
16. Jayasinghe, C. and Perera, A.A.D.A.J. Load bearing characteristics of Cement stabilised soil blocks, Institute of Engineers Sri Lanka, Transactions 1999.
17. Perera A.A.D.A.J., Seneviratene T. and Ganepola P. “Kajughalanda Low Cost Housing Project”, Best Practices : Second United Nations Conference on Human Settlements – Habitat II , 1996
18. Perera A.A.D.A.J. “Puwakpitiya and Kosgama Low Cost Housing Projects”, Transactions, Institute of Engineers, Sri Lanka, 1995.
19. Perera A.A.D.A.J. “Soil Block Houses”, Transactions, Institute of Engineers, Sri Lanka, 1994.
20. Perera A.A.D.A.J. “Landcrete Blocks”, Journal of the Institute of Engineers, Sri Lanka, June 1994.
21. Perera A.A.D.A.J. “An Evaluation of Low Cost House Construction Methods”, Transactions, Institute of Engineers, Sri Lanka, 1992.
22. Chandrakeerthy S.R.de.S., Perera A.A.D.A.J. and Premachandra “Design of Concrete Flat Roofs”, Transactions Institute of Engineers, Sri Lanka 1984.
- 23.

RESEARCH PUBLICATIONS IN NON-REFEREED JOURNALS

1. Perera, A.A.D.A.J., The selection and management of a computer system in a contractor organization, Constructor Vol4, No1 Jan/Feb 1999, National Contractors Association of Sri Lanka.
2. Perera, A.A.D.A.J., Earth construction methods, Constructor Vol.5 , No3 October 2000, National Contractors Association of Sri Lanka.

PRESENTATIONS (Conferences and Meetings of Professional Associations): Published in Abstract form (Abstract Refereed)

1. Perera A.A.D.A.J., “River Sand and Lime : Now and Future”, 54th Annual Session, Sri Lanka Association for the Advancement of Science December 1998.
2. Perera A.A.D.A.J., “Cost effective reinforced concrete slabs and rafters for houses”, 56th Annual Session, Sri Lanka Association for the Advancement of Science December 2000.
3. Jayasinghe, C. & Perera A.A.D.A.J., “Strength characteristics of manually compacted stabilized blockwork”, 57th Annual Session, Sri Lanka Association for the Advancement of Science December 2001.
4. Perera, Asoka J. & Imriyas, K. Integrated Cost Information Systems for Construction Projects, 57th Annual Session, Sri Lanka Association for the Advancement of Science December 2001.
5. Perera, A.A.D.A.J., “Feasibility of optimum Type designs for houses”, 57th Annual Session, Sri Lanka Association for the Advancement of Science December 2001.
6. Perera A.A.D.A.J. & Imriyas K., “Fuzzy approach to streamline cumbersome in project cost management on construction sites”, 58th Annual Session, Sri Lanka Association for the Advancement of Science December 2002.
7. Perera, A.A.D.A.J. & Shiyamasuntharan, R. “Fuzzy expert system for estimating productivity rates for labour, plant and material”, 60th Annual Session, Sri Lanka Association for the Advancement of Science, December 2004.

PRESENTATIONS at Conferences and Meetings of Professional Associations : Unpublished papers

1. Perera A.A.D.A.J. “Design Decisions and Life Cycle Cost Indicators”, Seminar on Benefits from Construction Project and Industry Indicators, ICTAD November 1990.
2. Perera A.A.D.A.J., “A Low Cost House Made From Cement Stabilized Blocks and Timber Poles”, Seminar on “Utilization of Small Diameter Timber Poles”, University of Moratuwa, Sri Lanka, May 1993.
3. Perera A.A.D.A.J. and Seneviratne A., “Implementation of Low Cost House Construction Methods :Experiences of Kosgama and Puwakkpitiya Projects”, Seminar on “Further Utilization of Small Diameter Timber Poles”, Organized by TRADA/LEADS Colombo, March 1995.

4. Perera A.A.D.A.J. and Seneviratne A “Experience of Low Cost House Construction”, Seminar cum Workshop on “Cement Stabilized soil Blocks (Low Cost Housing)”, University of Moratuwa, Sri Lanka, May 1995.
5. Perera A.A.D.A.J., “Soil Block Houses”, Seminar cum Workshop on “Cement Stabilized soil Blocks (Low Cost Housing)”, University of Moratuwa, Sri Lanka, May 1995.
6. Perera, A.A.D.A.J. “ Cost Control”, Seminar on Computer Applications for Project Management”, North Central Province – Centre, Institution of Engineers, Sri Lanka, October 2002.
7. Perera, Asoka. “Life Cycle Costing”, Seminar on Cost Control Applications in the Construction Industry and Future Trends, The Centre for Housing and Planning in association with The Institution for Construction Training and Development (ICATD), February 1996.
8. Perera A.A.D.A.J. “Software solutions in construction costing”, Seminar on Construction Costing, Centre for Housing and Planning, November 2000.
9. Perera, Asoka., “Monitoring & Controlling Project Costs”, Seminar on Project Management: Adding Value & Producing Results, March 2003.

OTHER PUBLICATIONS (Monographs/ Research Reports/Discussion Papers):

1. Perera A.A.D.A.J. & Jayasinghe C., Performance of Masonry Cement, Report Submitted to Holcim(Lanka) Ltd. March 2005.
2. University of Moratuwa, Assessment of Damage and Needs to Restore Schools Affected due to Tsunami Disaster on 26th December 2004, January 2005.
3. Dais, W.P.S., Perera, A.A.D.A.J., Nanayakkara, S.M.A., Sahayan, S.J.M. and Sathyaprasad I.M.S., Interim Sand Study : Alternative for River Sand, Department of Civil Engineering, University of Moratuwa, August 1997.
4. Asoka Perera, Introduction of Compressed Soil Blocks to Sri Lanka, Final Report submitted to GATE/GTZ Small Scale Project, June 1995.
5. Perera, A.A.D.A.J., Evaluations of Existing Practices of Low Cost Housing Methods, A report submitted to ILO/UNDP and ICTAD, May 1992
6. Perera Asoka, Landcrete Blocks : Cement Satabilized Laterite Soil Blocks, Department of Civil Engineering, University of Moratuwa, February 1993.
7. Perera Asoka, Two Storey Low Cost Houses by Using Soil:Cement blocks, Small diameter Poles, MCR Tiles and A new Floor Slab System, 1995.

8. Perera, Asoka & Jayasinghe M.T.R., Improvements to Cement Block Manufacturing, Report Submitted to REDECO, Sri Lanka Land Reclamation and Development Board Colombo, 1997
- 9.

AWARDS

1. Fulbright Fellowship award 1999, Fulbright foundation, USA.

SOFTWARE DEVELOPED

1. Billest, Computer Aided Estimating, Being used by Construction Organizations including, Sri Lanka Telecom, National Water Supply and Drainage Board, Daya Construction Ltd. and Teaching of Undergraduate Course (Engineering Cost Estimating – Level 2) and Construction Project Management Post graduate Course (Estimating and Tendering).
2. Cost-Con, Computer Aided Construction Cost Control
3. MIS for University Moratuwa

RESEARCH & CONSULTANCY SERVICES UNDERTAKEN:

1. Team Leader – Project Management, Indian Housing Project, Habitat for Humanity Sri Lanka, Construction of 3,500 houses, US\$ 17.5 Millions, on going.
2. Team Leader – Project Management, Tsunami Housing Project for Community Concern Society, Construction of 220 houses, four towers, Rs.150 Million – Completed.
3. Team Leader – Project Management, Rehabilitation of Filling Stations, Ceylon Petroleum Corporation, Rs. 720 Millions – Completed.
4. Team Leader – Project Management, LEADS Head office Building, Dehiwela, Rs. 52 Millions, completed.
5. Preparation of Project Management Plan – Solars Lanka, Wattala, Boat Building Project (5 years and total value of US\$70 Million) October to December 2011.
6. Team Leader Forensic Engineering study on the collapse of Harden concrete roof, Sri Lanka Air Force, Ceylinco Insurance Company October 2009.
7. Team Leader Forensic Engineering study on the Damages to nearby building from Waste Water and Sewerage Project of Ratmalana, Ceylinco Insurance Company October 2009.

8. Project Manager, Ratmalana Tsunami Housing Project (192 units, Rs. 140 Million), Community Concern Society, 2005 – 2007.
9. Team Leader for the Preparation of Tender documents for High rise building for National Savings Bank, Colombo, 2008.
10. Project Manager (Team Leader), Construction of New Filling Stations to Ceylon Petroleum Corporation, 2006 onwards (over Rs. 400 million)
11. Consultant, World Bank, Needs assessment of rehabilitation of schools in the North and East, January 2003 to April 2003 (three months fulltime)
12. Consultant, World Bank, Evaluation and Monitoring of GEP2 and TETD projects of Ministry of Education, July 2003 (two weeks).
13. Team Leader, Design and Installation of Computer systems for Construction Cost Estimating and General accounts for State Development and Construction Corporation, May 2002, Rs. 180,000/=
14. Team Leader , Preparation of Tender documents for Design and build project of Wastewater and sewerage system for Ja-Ela/Ekala and Moratuwa/Ratmalana, National Water Supply and Drainage Board, November 2001, Rs. 750,000/=
15. Team member, Preparation of Feasibility report for Wastewater and sewerage system for Ja-Ela/Ekala and Moratuwa/Ratmalana, World bank, June 2001, US \$ 100,000/=
16. Project Engineer : Moratuwa Cost Effective Housing Project, Bartleet Financial Services Ltd. Colombo. 1996/97.
17. Clients Project Manager for the construction of the Mens' Hostel Project: University of Moratuwa (Phase II) 1993 to 1995.
18. Construction of Model house with Soil:cement blocks and timber poles at University of Moratuwa premises 1993 funded by ODA through TRADA (Rs.40,000)
19. Project Engineer for the following low cost housing projects NHDA/LEADS
Kajughalanda Low cost Housing Project (28 Houses)
20. Training course on Soil:cement blocks, Conducted for Samurdi through ICTAD, February 1997.
21. Transfer of Technology of Soil:cement blocks to Mahaweli EEC Trust Fund for Mahaweli Authority of Sri Lanka 1995.

22. Feasibility study on the large scale production of soil:cement blocks in Sri Lanka for Tokyo Cement Company (Lanka) Ltd., Colombo, 1998.
23. Assessment of Bomb damage to Mercantile Credit Building in Fort.
24. Design, Development and Implementation of Computer Aided Estimating System (Billest) to the following organizations.
 - a. State Development and Construction Corporation – Ratmalana
 - b. Gamco Contractors – Nugegoda
 - c. Kapila Arg (Pvt) Ltd. – Colombo.
 - d. Walker and Sons (Ltd) – Colombo
 - e. Colombo Municipality Council – Colombo.
 - f. Mr. Lal Fenanado ; Quantity Surveyor – Moratuwa.
 - g. Provincial Irrigation Department : Western Province – Ratmalana.
 - h. National Water supply and Drainage Board
 - i. Sri Lanka Telecom Ltd
 - j. Ceywater Consultants Ltd.