REFERENCE LIST

- [1] Rossi Passarella, Bambang Tutuko & Aditya P.P. Prasetyo, Design Concept of Train Obstacle Detection System in Indonesia, 2011, PP 455- 456
- [2] H. Ben Brown, Jr., Gregg Podnar, Mel Siegel, Rail- Scout, A Concept for Reducing Railway Accidents, 2005, PP 1-4
- [3] B.K.P. Horn and B.G. Schunck, "Determining Optical Flow", Artificial Intelligence, 1981, Vol 17, PP 185- 203
- [4] Lanka Udawatta and Buddhika Jayasekara, "Image Processing Based Application", Computer Aided Simulations, 2009, PP 227- 236
- [5] Future Electronics Egypt Ltd. (Arduino Egypt), Servo Motor Control & Arduino, 2014, PP 1- 6
- [6] MATLAB Central, Articles on usage of Arduino Simulink Blocks, MATLAB 2014b, 2014
- University of Moratuwa, Sri Lanka.
 [7] Math Works, Blob Analysis: MATLAB 2014 Dissertations
- [8] Paul Merrell, Dah-Tye-Lee; Randal Beard, Statistical analysis of multiple optical flow values for estimation of unmanned aerial vehicle height above ground, 2004
- [9] Ying Wu, Optical Flow and Motion Analysis, EECS432- Advanced Computer Vision Notes Series 6, 2001
- [10] Didi Sazbon, Hector Rotstein, Ehud Rivlin, Finding the focus of expansion and estimating range using optical flow images and a matched filter, Machine Vision and Applications, 2004, PP 234 236
- [11] http://cs.stanford.edu/people/eroberts/courses/soco/projects/1997-98/computervision/motion.html, 2006
- [12] Shahriar Negahdaripour, Berthhold K. P. Horn, A Direct Method for Locating the Focus of Expansion, Computer Vision, Graphics and Image Processing 46, 1989, Page 320

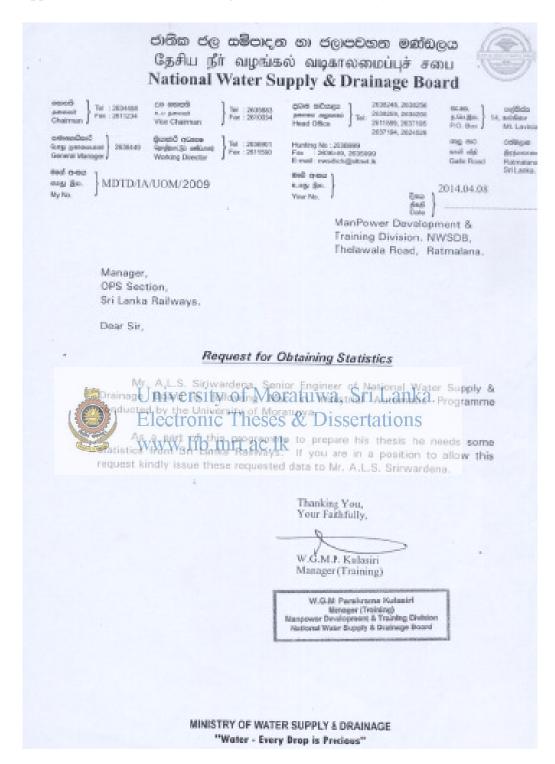
- [13] Wikipedia, Closed Circuit Television Camera, 2014
- [14] Thomas Brox, Jitendra Malik, Object Segmentation by Long Term Analysis of Point Trajectories, 2011, Page 282 294
- [15] Ce Liu, Beyond Pixels; Exploring New Representations and Applications for Motion Analysis, 2009, Page 81- 85
- [16] Yong- Ren pu, Li Wei Chen, Su- Hsing Lee, Study of Moving Obstacle Detection at Railway Crossing by Machine Vision, 2014, Page 2611 2612
- [17] Anjali Jain, Dr. Neeraj Tiyagi, Collision Detection and Avoidance in Railways using WiMAX, 2012, Page 789- 794
- [18] Richard Hartley and Andrew Zisserman, Multiple View Geometry in Computer Vision, 2000, Page 1- 43



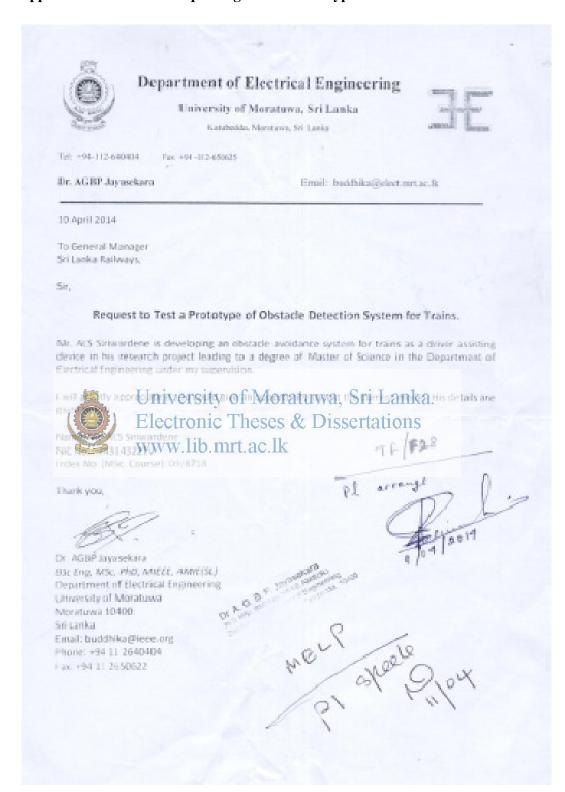
Appendix- A Letter of Request

	Towns North of Colombo Water Supply Project
	Kandana
D	20th September 2011
السين ا	t t
Through Addl. General Manager,	ADS MILES
	ARC III
Through Project Director, Ja.	
Cal Street Parket	
AGM, Kar R. 8 32 9	
Training Center,	
Thelawala,	
Dear Sir,	
	f Moratuwa, Sri Lanka.
Electronic T	heses & Dissertations
www.lib.mr	t.ac.lk tach work with CGR. Please kindly issue a permission letter
addressing to Chief Mechanical Engineer,	larch work with CGR. Please kindly issue a permission letter Sri Lanka Railway, Ratmalana for granting permission for said
work.	2 mile primaries not set
Yours truly,	
di	
A.L.S. Sriwardene	

Appendix- B Letter of Obtaining Statistics from Railway



Appendix- C Letter of Requesting to Test Prototype



Appendix- D Financial Expenditure for preparing Prototype Model

The financial expenditure for a prototype model with high accuracies will be much reasonable as follows;

Table D Financial Expenditure for preparing Prototype Model

Item No.	Description	QTY	Rate (\$)	Amount (\$)
01	CCTV Cameras	02	250	500
02	Personal Computer (Core i5)	01	1000	1000
	,			
03	Arduino (UNO) Hardware	01	30	30
04	Servo Motor	01	20	20
05	MAT LAB Software University of Mora			300
06	Accessions (wiTheses obases, voline ctors, etc.) lk	X 1941SS	ertations ₁₀	10
	Total			1860