



MIDDLE EAST TECHNICAL
UNIVERSITY

ELECTRICAL & ELECTRONICS ENGINEERING
WEEKLY REPORT 8
EE 493

CAT FEEDING PROJECT

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Bandwidth(FPS 0.588, depending on FPS)	121 KB / s
Classification Lag (DSL, 80KB/s upload)	12 s
Classification Lag (METU, 10 MB/s upload)	1.70 s
Classification Lag (LAN, 100 MB/s upload)	1.78 s
Number of Errors - Wrong Packages (DSL)	0.0625 events/min
Memory Usage (server)	624 MB
Memory Usage (client)	1.99 MB
CPU Usage (server-average)	13.3 %
CPU Usage (client-average)	2.2 %

Table 1: Server - Client Measurements

Horizontal Angle of View	53.50 degrees
Vertical Angle of View	41.41 degrees
Nearest recognized cat at distance	15 cm
Farthermost extreme cat distance	153 cm
Nearest recognized dog at distance	10 cm
Farthermost recognized dog at distance	110 cm
Farthermost extreme recognize dog at distance	180 cm

Table 2: Computer Vision Measurements

1 Works Done

This week is dedicated to conceptual design report. In addition to writing the report, tests are done for system stability and measurements are taken. Server - client test results are given in table ??, whereas computer vision test results are given in table 2. Extreme distances are measured for the ones where the detection is successful and not where as simple farthermost distances are the ones with stable behaviour with all of the samples tested.