

Appendix I: Data Log for all three weeks

(A): Week one of experimentation

Note: In "Status" field

'1' Means the appliance is found switched ON

'0' Means the appliance is found switched OFF

Assumption: For the proof of concept purposes a refrigerator was used. Refrigerator's power consumption was 600 Watts. This means, the refrigerator used 0.6 kWh if, it was switched ON for 60 minutes. Since we knew how much power the refrigerator was consuming therefore, we used following data to find out the number of minutes it was switched ON and calculated kWh based on this information.

User_ID	Date_Time	Ip_Address	Status
1	2010/12/06 6:20	192.168.1.235	1
1	2010/12/06 6:25	192.168.1.235	1
1	2010/12/06 6:30	192.168.1.235	1
1	2010/12/06 6:35	192.168.1.235	0
1	2010/12/06 6:40	192.168.1.235	0
1	2010/12/06 6:45	192.168.1.235	0
1	2010/12/06 6:50	192.168.1.235	0
1	2010/12/06 6:55	192.168.1.235	0
1	2010/12/06 7:00	192.168.1.235	1
1	2010/12/06 7:05	192.168.1.235	1
1	2010/12/06 7:10	192.168.1.235	1
1	2010/12/06 7:15	192.168.1.235	0
1	2010/12/06 7:20	192.168.1.235	0
1	2010/12/06 7:25	192.168.1.235	0
1	2010/12/06 7:30	192.168.1.235	0
1	2010/12/06 7:35	192.168.1.235	0
1	2010/12/06 7:40	192.168.1.235	1
1	2010/12/06 7:45	192.168.1.235	1
1	2010/12/06 7:50	192.168.1.235	1
1	2010/12/06 7:55	192.168.1.235	1
1	2010/12/06 8:00	192.168.1.235	0
1	2010/12/06 8:05	192.168.1.235	0
1	2010/12/06 8:10	192.168.1.235	0
1	2010/12/06 8:15	192.168.1.235	0
1	2010/12/06 8:20	192.168.1.235	0
1	2010/12/06 8:25	192.168.1.235	1
1	2010/12/06 8:30	192.168.1.235	1
1	2010/12/06 8:35	192.168.1.235	1
1	2010/12/06 8:40	192.168.1.235	1
1	2010/12/06 8:45	192.168.1.235	0
1	2010/12/06 8:50	192.168.1.235	0
1	2010/12/06 8:55	192.168.1.235	0
1	2010/12/06 9:00	192.168.1.235	0
1	2010/12/06 9:05	192.168.1.235	0
1	2010/12/06 9:10	192.168.1.235	1
1	2010/12/06 9:15	192.168.1.235	1
1	2010/12/06 9:20	192.168.1.235	1
1	2010/12/06 9:25	192.168.1.235	1
1	2010/12/06 9:30	192.168.1.235	1
1	2010/12/06 9:35	192.168.1.235	0
1	2010/12/06 9:40	192.168.1.235	0
1	2010/12/06 9:45	192.168.1.235	0
1	2010/12/06 9:50	192.168.1.235	0
1	2010/12/06 9:55	192.168.1.235	0
1	2010/12/06 10:00	192.168.1.235	0
1	2010/12/06 10:05	192.168.1.235	0
1	2010/12/06 10:10	192.168.1.235	0
1	2010/12/06 10:15	192.168.1.235	0
1	2010/12/06 10:20	192.168.1.235	0
1	2010/12/06 10:25	192.168.1.235	0
1	2010/12/06 10:30	192.168.1.235	1
1	2010/12/06 10:35	192.168.1.235	1
1	2010/12/06 10:40	192.168.1.235	1
1	2010/12/06 10:45	192.168.1.235	1
1	2010/12/06 10:50	192.168.1.235	1
1	2010/12/06 10:55	192.168.1.235	1
1	2010/12/06 11:00	192.168.1.235	0
1	2010/12/06 11:05	192.168.1.235	0
1	2010/12/06 11:10	192.168.1.235	0
1	2010/12/06 11:15	192.168.1.235	0
1	2010/12/06 11:20	192.168.1.235	0

1	2010/12/11 12:37	192.168.1.235	0
1	2010/12/11 12:42	192.168.1.235	1
1	2010/12/11 12:47	192.168.1.235	1
1	2010/12/11 12:52	192.168.1.235	1
1	2010/12/11 12:57	192.168.1.235	1
1	2010/12/11 13:02	192.168.1.235	0
1	2010/12/11 13:07	192.168.1.235	0
1	2010/12/11 13:12	192.168.1.235	0
1	2010/12/11 13:17	192.168.1.235	0
1	2010/12/11 13:22	192.168.1.235	1
1	2010/12/11 13:27	192.168.1.235	1
1	2010/12/11 13:32	192.168.1.235	1
1	2010/12/11 13:37	192.168.1.235	1
1	2010/12/11 13:42	192.168.1.235	1
1	2010/12/11 13:47	192.168.1.235	0
1	2010/12/11 13:52	192.168.1.235	0
1	2010/12/11 13:57	192.168.1.235	0
1	2010/12/11 14:02	192.168.1.235	0
1	2010/12/11 14:07	192.168.1.235	1
1	2010/12/11 14:12	192.168.1.235	1
1	2010/12/11 14:17	192.168.1.235	1

1	2010/12/11 14:22	192.168.1.235	1
1	2010/12/11 14:27	192.168.1.235	0
1	2010/12/11 14:32	192.168.1.235	0
1	2010/12/11 14:37	192.168.1.235	0
1	2010/12/11 14:42	192.168.1.235	0
1	2010/12/11 14:47	192.168.1.235	1
1	2010/12/11 14:52	192.168.1.235	1
1	2010/12/11 14:57	192.168.1.235	1
1	2010/12/11 15:02	192.168.1.235	1
1	2010/12/11 15:07	192.168.1.235	1
1	2010/12/11 15:12	192.168.1.235	0
1	2010/12/11 15:17	192.168.1.235	0
1	2010/12/11 15:22	192.168.1.235	0
1	2010/12/11 15:27	192.168.1.235	0
1	2010/12/11 15:32	192.168.1.235	1
1	2010/12/11 15:37	192.168.1.235	1
1	2010/12/11 15:42	192.168.1.235	1
1	2010/12/11 15:47	192.168.1.235	1
1	2010/12/11 16:02	192.168.1.235	0
1	2010/12/11 16:07	192.168.1.235	0
1	2010/12/11 16:32	192.168.1.235	0

(B): Data Log from week two of experimentation

Note: In "Status" field

'1' Means the appliance is found switched ON

'0' Means the appliance is found switched OFF

User_ID	Date_Time	Ip_Address	Status
1	2011/01/10 6:12	192.168.1.235	0
1	2011/01/10 6:17	192.168.1.235	0
1	2011/01/10 6:22	192.168.1.235	1
1	2011/01/10 6:27	192.168.1.235	1
1	2011/01/10 6:32	192.168.1.235	1
1	2011/01/10 6:37	192.168.1.235	0
1	2011/01/10 6:42	192.168.1.235	0
1	2011/01/10 6:47	192.168.1.235	1
1	2011/01/10 6:52	192.168.1.235	1
1	2011/01/10 6:57	192.168.1.235	1
1	2011/01/10 7:02	192.168.1.235	0
1	2011/01/10 7:07	192.168.1.235	0
1	2011/01/10 7:12	192.168.1.235	0
1	2011/01/10 7:16	192.168.1.235	0
1	2011/01/10 7:21	192.168.1.235	0
1	2011/01/10 7:26	192.168.1.235	0
1	2011/01/10 7:31	192.168.1.235	0
1	2011/01/10 7:36	192.168.1.235	0
1	2011/01/10 7:41	192.168.1.235	0
1	2011/01/10 7:46	192.168.1.235	0
1	2011/01/10 7:51	192.168.1.235	0
1	2011/01/10 7:56	192.168.1.235	0
1	2011/01/10 8:01	192.168.1.235	0
1	2011/01/10 8:06	192.168.1.235	0
1	2011/01/10 8:11	192.168.1.235	0
1	2011/01/10 8:16	192.168.1.235	0
1	2011/01/10 8:21	192.168.1.235	0
1	2011/01/10 8:26	192.168.1.235	0
1	2011/01/10 8:31	192.168.1.235	0
1	2011/01/10 8:36	192.168.1.235	0
1	2011/01/10 8:41	192.168.1.235	0
1	2011/01/10 8:46	192.168.1.235	0
1	2011/01/10 8:51	192.168.1.235	0
1	2011/01/10 8:56	192.168.1.235	0
1	2011/01/10 9:01	192.168.1.235	0
1	2011/01/10 9:06	192.168.1.235	0
1	2011/01/10 9:11	192.168.1.235	0
1	2011/01/10 9:16	192.168.1.235	0
1	2011/01/10 9:21	192.168.1.235	0
1	2011/01/10 9:26	192.168.1.235	0

1	2011/01/10 9:31	192.168.1.235	0
1	2011/01/10 9:36	192.168.1.235	0
1	2011/01/10 9:41	192.168.1.235	0
1	2011/01/10 9:45	192.168.1.235	0
1	2011/01/10 9:50	192.168.1.235	0
1	2011/01/10 9:55	192.168.1.235	0
1	2011/01/10 10:00	192.168.1.235	1
1	2011/01/10 10:05	192.168.1.235	1
1	2011/01/10 10:10	192.168.1.235	1
1	2011/01/10 10:15	192.168.1.235	1
1	2011/01/10 10:20	192.168.1.235	1
1	2011/01/10 10:25	192.168.1.235	1
1	2011/01/10 10:30	192.168.1.235	1
1	2011/01/10 10:35	192.168.1.235	1
1	2011/01/10 10:40	192.168.1.235	1
1	2011/01/10 10:45	192.168.1.235	1
1	2011/01/10 10:50	192.168.1.235	1
1	2011/01/10 10:55	192.168.1.235	0
1	2011/01/10 11:00	192.168.1.235	0
1	2011/01/10 11:05	192.168.1.235	1
1	2011/01/10 11:10	192.168.1.235	1
1	2011/01/10 11:15	192.168.1.235	0
1	2011/01/10 11:20	192.168.1.235	1
1	2011/01/10 11:25	192.168.1.235	1
1	2011/01/10 11:30	192.168.1.235	0
1	2011/01/10 11:35	192.168.1.235	0
1	2011/01/10 11:40	192.168.1.235	0
1	2011/01/10 11:45	192.168.1.235	0
1	2011/01/10 11:50	192.168.1.235	1
1	2011/01/10 11:55	192.168.1.235	1
1	2011/01/10 12:00	192.168.1.235	1
1	2011/01/10 12:05	192.168.1.235	1
1	2011/01/10 12:10	192.168.1.235	0
1	2011/01/10 12:14	192.168.1.235	0
1	2011/01/10 12:19	192.168.1.235	0
1	2011/01/10 12:24	192.168.1.235	0
1	2011/01/10 12:29	192.168.1.235	1
1	2011/01/10 12:34	192.168.1.235	1
1	2011/01/10 12:39	192.168.1.235	1
1	2011/01/10 12:44	192.168.1.235	1
1	2011/01/10 12:49	192.168.1.235	1
1	2011/01/10 12:54	192.168.1.235	0
1	2011/01/10 12:59	192.168.1.235	0
1	2011/01/10 13:04	192.168.1.235	0

1	2011/01/12 21:39	192.168.1.235	1
1	2011/01/12 21:44	192.168.1.235	1
1	2011/01/12 21:49	192.168.1.235	1
1	2011/01/12 21:54	192.168.1.235	1
1	2011/01/12 21:59	192.168.1.235	0
1	2011/01/12 22:04	192.168.1.235	0
1	2011/01/12 22:09	192.168.1.235	0
1	2011/01/12 22:14	192.168.1.235	0
1	2011/01/12 22:19	192.168.1.235	1
1	2011/01/12 22:24	192.168.1.235	1
1	2011/01/12 22:29	192.168.1.235	1
1	2011/01/12 22:34	192.168.1.235	0
1	2011/01/12 22:39	192.168.1.235	0
1	2011/01/12 22:44	192.168.1.235	0
1	2011/01/12 22:49	192.168.1.235	0

1	2011/01/12 22:54	192.168.1.235	1
1	2011/01/12 22:59	192.168.1.235	1
1	2011/01/12 23:04	192.168.1.235	0
1	2011/01/12 23:09	192.168.1.235	0
1	2011/01/12 23:14	192.168.1.235	0
1	2011/01/12 23:19	192.168.1.235	1
1	2011/01/12 23:24	192.168.1.235	1
1	2011/01/12 23:29	192.168.1.235	0
1	2011/01/12 23:34	192.168.1.235	0
1	2011/01/12 23:39	192.168.1.235	0
1	2011/01/12 23:44	192.168.1.235	1
1	2011/01/12 23:49	192.168.1.235	1
1	2011/01/12 23:54	192.168.1.235	1
1	2011/01/12 23:59	192.168.1.235	0

(C): Data Log from week three of experimentation

Note: In "Status" field

'1' Means the appliance is found switched ON

'0' Means the appliance is found switched OFF

User_ID	Date_Time	Ip_Address	Status
1	2011/01/17 6:02	192.168.1.235	1
1	2011/01/17 6:07	192.168.1.235	1
1	2011/01/17 6:12	192.168.1.235	1
1	2011/01/17 6:17	192.168.1.235	0
1	2011/01/17 6:22	192.168.1.235	0
1	2011/01/17 6:27	192.168.1.235	0
1	2011/01/17 6:32	192.168.1.235	1
1	2011/01/17 6:37	192.168.1.235	1
1	2011/01/17 6:42	192.168.1.235	1
1	2011/01/17 6:47	192.168.1.235	0
1	2011/01/17 6:52	192.168.1.235	0
1	2011/01/17 6:57	192.168.1.235	0
1	2011/01/17 7:02	192.168.1.235	1
1	2011/01/17 7:07	192.168.1.235	1
1	2011/01/17 7:12	192.168.1.235	1
1	2011/01/17 7:17	192.168.1.235	0
1	2011/01/17 7:22	192.168.1.235	0
1	2011/01/17 7:27	192.168.1.235	0
1	2011/01/17 7:32	192.168.1.235	0
1	2011/01/17 7:37	192.168.1.235	1
1	2011/01/17 7:42	192.168.1.235	1
1	2011/01/17 7:47	192.168.1.235	0
1	2011/01/17 7:52	192.168.1.235	0
1	2011/01/17 7:57	192.168.1.235	0
1	2011/01/17 8:02	192.168.1.235	0
1	2011/01/17 8:07	192.168.1.235	1
1	2011/01/17 8:12	192.168.1.235	1
1	2011/01/17 8:17	192.168.1.235	1
1	2011/01/17 8:22	192.168.1.235	0
1	2011/01/17 8:27	192.168.1.235	0
1	2011/01/17 8:32	192.168.1.235	0
1	2011/01/17 8:37	192.168.1.235	0
1	2011/01/17 8:42	192.168.1.235	1
1	2011/01/17 8:47	192.168.1.235	1
1	2011/01/17 8:52	192.168.1.235	0
1	2011/01/17 8:57	192.168.1.235	0
1	2011/01/17 9:02	192.168.1.235	0
1	2011/01/17 9:07	192.168.1.235	0
1	2011/01/17 9:12	192.168.1.235	1
1	2011/01/17 9:17	192.168.1.235	1

1	2011/01/17 9:22	192.168.1.235	1
1	2011/01/17 9:27	192.168.1.235	0
1	2011/01/17 9:32	192.168.1.235	0
1	2011/01/17 9:37	192.168.1.235	0
1	2011/01/17 9:42	192.168.1.235	1
1	2011/01/17 9:47	192.168.1.235	1
1	2011/01/17 9:52	192.168.1.235	1
1	2011/01/17 9:57	192.168.1.235	0
1	2011/01/17 10:02	192.168.1.235	0
1	2011/01/17 10:07	192.168.1.235	0
1	2011/01/17 10:12	192.168.1.235	0
1	2011/01/17 10:17	192.168.1.235	1
1	2011/01/17 10:22	192.168.1.235	1
1	2011/01/17 10:27	192.168.1.235	1
1	2011/01/17 10:32	192.168.1.235	0
1	2011/01/17 10:37	192.168.1.235	0
1	2011/01/17 10:42	192.168.1.235	0
1	2011/01/17 10:47	192.168.1.235	1
1	2011/01/17 10:52	192.168.1.235	1
1	2011/01/17 10:57	192.168.1.235	1
1	2011/01/17 11:02	192.168.1.235	0
1	2011/01/17 11:07	192.168.1.235	0
1	2011/01/17 11:12	192.168.1.235	0
1	2011/01/17 11:17	192.168.1.235	0
1	2011/01/17 11:22	192.168.1.235	1
1	2011/01/17 11:27	192.168.1.235	1
1	2011/01/17 11:32	192.168.1.235	1
1	2011/01/17 11:37	192.168.1.235	0
1	2011/01/17 11:42	192.168.1.235	0
1	2011/01/17 11:47	192.168.1.235	0
1	2011/01/17 11:52	192.168.1.235	0
1	2011/01/17 11:57	192.168.1.235	1
1	2011/01/17 12:02	192.168.1.235	1
1	2011/01/17 12:07	192.168.1.235	1
1	2011/01/17 12:12	192.168.1.235	0
1	2011/01/17 12:17	192.168.1.235	0
1	2011/01/17 12:22	192.168.1.235	0
1	2011/01/17 12:27	192.168.1.235	0
1	2011/01/17 12:32	192.168.1.235	1
1	2011/01/17 12:37	192.168.1.235	1
1	2011/01/17 12:42	192.168.1.235	1
1	2011/01/17 12:47	192.168.1.235	0
1	2011/01/17 12:52	192.168.1.235	0

1	2011/01/22 13:45	192.168.1.235	1
1	2011/01/22 13:50	192.168.1.235	1
1	2011/01/22 13:55	192.168.1.235	0
1	2011/01/22 14:00	192.168.1.235	0
1	2011/01/22 14:05	192.168.1.235	0
1	2011/01/22 14:10	192.168.1.235	1
1	2011/01/22 14:15	192.168.1.235	1
1	2011/01/22 14:20	192.168.1.235	1
1	2011/01/22 14:25	192.168.1.235	0
1	2011/01/22 14:30	192.168.1.235	0
1	2011/01/22 14:35	192.168.1.235	0
1	2011/01/22 14:40	192.168.1.235	1
1	2011/01/22 14:45	192.168.1.235	1
1	2011/01/22 14:50	192.168.1.235	1
1	2011/01/22 14:55	192.168.1.235	0
1	2011/01/22 15:00	192.168.1.235	0
1	2011/01/22 15:05	192.168.1.235	0
1	2011/01/22 15:10	192.168.1.235	1
1	2011/01/22 15:15	192.168.1.235	1
1	2011/01/22 15:20	192.168.1.235	1

1	2011/01/22 15:25	192.168.1.235	0
1	2011/01/22 15:30	192.168.1.235	0
1	2011/01/22 15:35	192.168.1.235	0
1	2011/01/22 15:40	192.168.1.235	1
1	2011/01/22 15:45	192.168.1.235	1
1	2011/01/22 15:50	192.168.1.235	1
1	2011/01/22 15:55	192.168.1.235	0
1	2011/01/22 16:00	192.168.1.235	0
1	2011/01/22 16:05	192.168.1.235	0
1	2011/01/22 16:10	192.168.1.235	1
1	2011/01/22 16:15	192.168.1.235	1
1	2011/01/22 16:20	192.168.1.235	1
1	2011/01/22 16:25	192.168.1.235	0
1	2011/01/22 16:30	192.168.1.235	0
1	2011/01/22 16:35	192.168.1.235	0
1	2011/01/22 16:40	192.168.1.235	1
1	2011/01/22 16:45	192.168.1.235	1
1	2011/01/22 16:50	192.168.1.235	1
1	2011/01/22 16:55	192.168.1.235	0