## EngineeringExtendedProject

Nov 17, 2015

http://

Project manager

**Project dates** Nov 3, 2015 - Apr 23, 2016

Completion3%Tasks35Resources0

## Tasks

Name	Begin date	End date
RESEARCH	11/3/15	12/4/15
Reseach the problem	11/3/15	11/11/15
Research the target market	11/5/15	11/11/15
Research and evaluate the current solutions on the market	11/9/15	11/13/15
Reseach the history and types of encryption	11/9/15	11/17/15
Research modern encryption methods and standard	11/18/15	12/1/15
Reseach Biometric security - types and flaws	11/23/15	11/27/15
Research material sciences of stresses (and material stresses)	11/20/15	11/26/15
Research (using case studies) current hacking techniques	12/2/15	12/4/15
Research possible control systems choices	11/16/15	11/30/15
PRODUCE PRELIMINARY RESEARCH REPORT	12/4/15	12/4/15
INITIAL DESIGN	11/27/15	12/18/15
Choice of encryption method	12/7/15	12/11/15
Choice of Control System	12/1/15	12/8/15
Choice of Biometric System	11/30/15	12/4/15
Initial Designs of Mechanics of Product	11/27/15	12/11/15
Initial Designs of Electronics of product	12/9/15	12/18/15
DEVELOPMENT	12/14/15	2/12/16
Design code for encryption, including how it will work with the rest of the system	12/21/15	1/15/16
Conduct stress analysis on existing models and refine ideas	12/14/15	1/15/16
Conduct testing on electronics, using simulation tools and testing	12/21/15	1/8/16
Produce a working prototype of possible Software and Electronics of product	1/18/16	2/12/16
DEFINE AND JUSTIFY	1/18/16	3/4/16
Completed code for the product, including encryption and code to control the electronics	2/15/16	3/4/16
Completed electrical design for the product	2/15/16	2/19/16
Completed mechanical design	1/18/16	2/19/16

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## Tasks

Begin date	End date
2/8/16	4/22/16
2/8/16	3/24/16
3/24/16	4/22/16
12/4/15	3/23/16
12/4/15	12/4/15
12/17/15	12/17/15
1/7/16	1/7/16
2/15/16	2/15/16
3/24/16	3/24/16
	2/8/16 2/8/16 3/24/16 12/4/15 12/4/15 12/17/15 1/7/16 2/15/16

**Gantt Chart** 

Week 49 Week 50 End date RESEARCH ▼ ∘ RESEARCH 12/4/15 Reseach the problem Reseach the problem 11/3/15 11/11/15 Research the target market 11/5/15 11/11/15 search and even 11/9/15 Re Research and evaluate the current solutions on the market · Reseach the history and types of encryption 11/9/15 11/17/15 Research modern encryption methods and standard 11/18/15 12/1/15 Reseach Biometric security - types and flaws 11/23/15 11/27/15 11/20/15 11/26/15 Research material sciences of stresses (and material stresses) Research (using case studies) current hacking techniques 12/2/15 12/4/15 Research possible control systems choices 11/16/15 11/30/15 PRODUCE PRELIMINARY RESEARCH REPORT. 12/4/15 12/4/15 11/27/15 12/18/15 ▼ • INITIAL DESIGN . Choice of encryption method 12/11/15 12/7/15 Choice of Control System 12/8/15 12/1/15 Choice of Biometric System 11/30/15 12/4/15 Initial Designs of Mechanics of Product 11/27/15 12/11/15 Initial Designs of Electronics of produ Initial Designs of Electronics of produc 12/18/15 12/9/15 DEVELOPMENT ▼ • DEVELOPMENT 12/14/15 2/12/16 Design code for encryption, including how it will work with the rest of the system 12/21/15 1/15/16 12/14/15 1/15/16 Conduct stress analysis on existing models and refine ideas Conduct testing on electronics, using simulation tools and testin 12/21/15 1/8/16 Produce a working prototype of possible Software and Electronics of product 1/18/16 2/12/16 1/18/16 Completed code for the product, including encryption and code to control the electronic 2/15/16 Completed electrical design for the product 2/15/16 2/19/16 Completed mechanical design 1/18/16 2/19/16 Project Report MILESTONES ▼ • MILESTONES 3/23/16 Preliminary Project Report Due 12/4/15 End of Autumn Term End of Autumn Term 12/17/15 Start of Spring Term Start of Spring Term Spring Half-Term Spring Half-Term 2/15/16 Project Report Due Project Report Due 3/24/16 3/24/16

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**Resources Chart** 



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