

University of Wollongong / INTI College Sarawak

Bachelor of Computer Science

Automated WEP Decryptor

By : Justin Chigozie Chukwu
: Olu Victor
: Sadiq Safana Ibrahim
: Ahmad Ahmad

Session : May 2009

Submitted : 12th June 2009

Project Diary 1

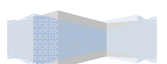
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INRODUCTION

This document contains the Minute of meetings and Weekly Activity reports of the project. The Weekly report keeps track of the weekly activities carried out by each Team member while the minute of meetings contains information of actions taken before, during and after meetings and by whom.

This report covers the duration of four (4) weeks which is between 10th May and 12th June.

CSCI321 – SOFTWARE PROJECT

Minutes of meeting

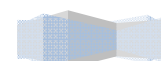
Group: BCSDS – 07

Project: Automated WEP Decryptor.

Date: 10th May, 2009

Attendees: Safana Ibrahim Sadiq, Justin Chukwu, Olu Victor, Ahmad Ahmad

Item NO.	Minutes	Action
	Progress items identified on previous meeting	
1.1.	None	
1.2.	Items discussed	
	Review of project Topics.	Justin Chukwu Olu Victor Sadiq Safana Ahmad Ahmad
	Proposed the Automated WEP Decryptor	Sadiq Safana
	Task Delegation.	Sadiq Safana
	Research on the selected topic	Justin Chukwu Olu Victor Sadiq Safana Ahmad Ahmad
	Use case diagram draft is finalized and ready to be drawn.	Sadiq Safana
1.3.	Actions for next meeting	



	Discuss project website and hosting plan (weather free or purchased).	Justin Chukwu Ahmad Ahmad Olu Victor Sadiq Safana
	Overview of Wired Equivalent Privacy, its Cryptography and other algorithms used in WEP.	Justin Chukwu Olu Victor Sadiq Safana Ahmad Ahmad
	Research on project topic.	Justin Chukwu Olu Victor Sadiq Safana Ahmad Ahmad

Meeting duration: 2 hours.

Date of next meeting: 19th May, 2009.

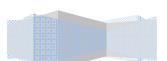
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Project minutes secretary:

Project Supervisor:

Safana Ibrahim Sadiq

Mr. Iwan Purnomo Tjhin



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Minutes of meeting

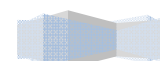
Group: BCSDS – 07

Project: Automated WEP Decryptor.

Date: 19th May, 2009

Attendees: Safana Ibrahim Sadiq, Justin Chukwu, Olu Victor, Ahmad Ahmad

Item NO.	Minutes	Action
	Progress items identified on previous meeting	
1.1.	Draft of first Website template.	Justin
	Compilation of team profile and submitted to Project Supervisor.	Sadiq Safana
	Discussed Each member's opinion on Project Topic research.	Justin Chukwu Olu Victor Sadiq Safana Ahmad Ahmad
1.2.	Items discussed	
	Further discussion on project topic	Justin Chukwu Olu Victor Sadiq Safana Ahmad Ahmad
	Explanation on RC4 algorithm as understood.	Sadiq Safana
1.3.	Actions for next minutes	
	Finalization of Web hosting plan.	Justin Chukwu



	Research on Software development methods	Ahmad Ahmad Justin Chukwu Olu Victor Sadiq Safana
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Meeting duration: 2hours: 17 minutes.
 Date of next meeting: 23rd May, 2009.

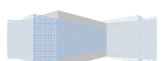
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Minutes of meeting

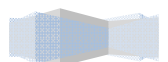
Group: BCSDS – 07

Project: Automated WEP Decryptor.

Date: 23rd May, 2009

Attendees: Safana Ibrahim Sadiq, Justin Chukwu, Olu Victor, Ahmad Ahmad

Item NO.	Minutes	Action
	Progress identified from previous meeting	
1.1.	Proposed purchase of domain name.	Justin Chukwu
	Research material on Development methodology and tool were presented by team members.	Olu Victor Sadiq Safana Justin Chukwu Ahmad Ahmad
1.2.	Items discussed	
	C#.net was proposed as the software development tool.	Justin Chukwu
	The acronym VASPLUS as the team name was proposed.	Olu Victor
	Measures on how to beat project deadline was proposed.	Ahmad Ahmad
	RUP Methodology was briefly elaborated.	Sadiq Safana
1.3.	Actions for next week	
	Progress on project website.	Justin Chukwu
	Research on methods of WEP attack and techniques of implementation.	Olu Victor Justin Chukwu



		Sadiq Safana Ahmad Ahmad
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Meeting duration: 3 hours.

Date of next meeting: 26th May, 2009.

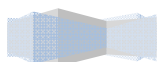
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Project Supervisor:

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Minutes of meeting

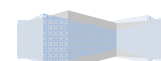
Group: BCSDS – 07

Project: Automated WEP Decryptor.

Date: 26th May, 2009

Attendees: Safana Ibrahim Sadiq, Justin Chukwu, Olu Victor, Ahmad Ahmad

Item NO.	Minutes	Action
	Progress identified from previous meeting	
1.1.	Website has been hosted on a free hosting server	Justin Chukwu
	Klein's attach was proposed as a possible method of WEP attack.	Sadiq Safana
	Sharmir Algorithm was proposed as a possible method of WEP.	Ahmad Ahmad
1.2.	Items discussed	
	Klein attack was approved as the algorithm to be used for WEP decryption.	Justin Chukwu Sadiq Safana Olu Victor Ahmad Ahmad
	First Sketch of the software interface to ease understanding of the scope of the project.	Justin Chukwu
1.3.	Actions for next week	
	Further research on possible WEP cracking Algorithm.	Justin Chukwu Sadiq Safana



		Olu Victor Ahmad Ahmad
	Finalized second Website template and Finalization of software interface	Justin Chukwu

Meeting duration: 2 hours: 35 Minutes.

Date of next meeting: 30th May, 2009.

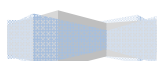
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Project minutes secretary:

Project Supervisor:

Safana Ibrahim Sadiq

Mr. Iwan Purnomo Tjhin



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Minutes of meeting

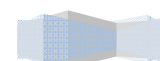
Group: BCSDS – 07

Project: Automated WEP Decryptor.

Date: 30th May, 2009

Attendees: Safana Ibrahim Sadiq, Justin Chukwu, Olu Victor, Ahmad Ahmad

Item NO.	Minutes	Action
1.1.	Progress identified from previous meeting	
	Finalization of software interface.	Justin Chukwu
	Web template is completed.	Justin Chukwu
	Klein’s attack is preferred as the WEP cracking algorithm	Olu Victor Sadiq Safana Justin Chukwu Ahmad Ahmad
1.2.	Items discussed	
	Documentation of the project plan has started (project deliverables, Scope and Objectives)	Olu Victor Sadiq Safana Justin Chukwu



		Ahmad Ahmad
	Decided to purchase Domain name and hosting service.	Olu Victor Sadiq Safana Justin Chukwu Ahmad Ahmad
	Implementation on RUP methodology in the Project.	Sadiq Safana
1.3.	Actions for next week	
	Draft of development methodology to be used in the project and Quality Control Plan Documentation.	Sadiq Safana
	Documentation on Risk Analysis.	Olu Victor
	Addition of more features on preliminary software Interface sketch.	Justin Chukwu
	Coding plan documentation.	Justin Chukwu

Meeting duration: 4hours: 23 Minutes.

Date of next meeting: 6th June, 2009.

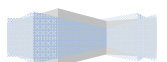
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Project Supervisor:

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Minutes of meeting

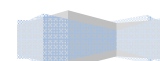
Group: BCSDS – 07

Project: Automated WEP Decryptor.

Date: 6th June, 2009

Attendees: Safana Ibrahim Sadiq, Justin Chukwu, Olu Victor, Ahmad Ahmad

Item NO.	Minutes	Action
	Progress identified from previous meeting	
1.1.	Risk Analysis, Quality Control Plan, Coding plan has all been documented.	Olu Victor Sadiq Safana Justin Chukwu
	Additional features proposed to be integrated to system interface are pending due to incomplete research on them.	Justin Chukwu
	Draft of RUP based on the modules was prepared.	Sadiq Safana
1.2.	Items discussed	
	Preliminary user manual and storyboard was discussed.	Justin Chukwu Ahmad Ahmad
	UML diagrams for analysis project phase were discussed.	Olu Victor Sadiq Safana
	Website was tested run on the server. Outcome: loading was slow due to image file format.	Justin Chukwu
1.3.	Actions for next week	
	Prepare initial Project schedule (Gantt chart)	Olu Victor



		Sadiq Safana
	Correction of Loading problem and FTP issues.	Justin Chukwu
	Progress on programmers as regards programming language to be used.	Justin Chukwu Ahmad Ahmad
	Progress on entire project Plan	Olu Victor Justin Chukwu Sadiq Safana Ahmad Ahmad

Meeting duration: 3hours: 20 minutes.

Date of next meeting: 13th June, 2009.

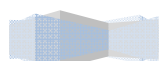
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Project minutes secretary:

Project Supervisor:

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Minutes of meeting

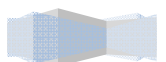
Group: BCSDS – 07

Project: Automated WEP Decryptor.

Date: 13th June, 2009

Attendees: Safana Ibrahim Sadiq, Justin Chukwu, Olu Victor, Ahmad Ahmad

Item NO.	Minutes	Action
	Progress identified from previous meeting	
1.1.	Review Coding	Justin Chukwu Ahmad Ahmad
	Website design and web hosting was completed.	Justin Chukwu
	Initial draft of Gantt chart.	Sadiq Safana Olu Victor
1.2.	Items discussed	
	The initial draft of the project Plan is done	Olu Victor
	Initial Gantt chart	Sadiq Safana
	Final compilation of Project Diary	Justin Chukwu
	Auditing of project Diary	Ahmad Ahmad
1.3.	Actions for next week	
	Finalization of Project Plan initial draft	Sadiq Safana
	Finalization of Gantt chart	Olu Victor



Meeting duration: 3 hours.

Date of next meeting: 17th June, 2009.

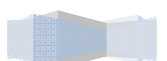
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project minutes secretary:

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CSCI321 – SOFTWARE PROJECT

Minutes of meeting

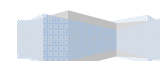
Group: BCSDS – 07

Project: Automated WEP Decryptor.

Date: 17th June, 2009

Attendees: Safana Ibrahim Sadiq, Justin Chukwu, Olu Victor, Ahmad Ahmad

Item NO.	Minutes	Action
	Progress identified from previous meeting	
1.1.	Gantt chart has been finalized	Olu Victor
	New framework for project plan is drafted.	Ahmad Ahmad
1.2.	Items discussed	
	Elaboration of project plan framework	Justin Chukwu
	Introduction, RUP Methodology, System design plan.	Sadiq Safana
	Implementation plan, system analysis plan, Test plan.	Justin Chukwu
	Introduction, Conclusion, Gantt chart, Objectives, Risk Management plan.	Olu Victor.
	RUP diagram, Deliverables.	Ahmad Ahmad
	Scope, Specification, Quality Control Plan, references and Bibliography	Justin Chukwu
1.3.	Actions for next week	
	Final Compilation and Auditing of project plan	Justin Chukwu



Meeting duration 4 hours: 15mins.

Date of next meeting: 20th June, 2009.

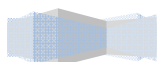
Signed:

Project minutes secretary:

Project Supervisor:

Safana Ibrahim Sadiq

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Weekly Activity Summary (Week 6)

Name: _____ OLU VICTOR _____ Group: _____ BCSDS-07 _____

Project Title: _____ AUTOMATED WEP DECRYPTOR _____

Task Day	Analysis	Design	Documentation	Coding	Data preparation	Presentation materials	Meetings	Other	Total
Sun.			Did initial Methodology which was later modified (RUP)						
Mon.									
Tue.			Did project deliverables						
Wed.									
Thu.								More research on the Algorithms to break WEP	
Fri									
Sat.			Start project plan Compilation				Attend group meeting		
Total									

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Weekly Activity Summary (Week 4)

Name: SAFANA IBRAHIM SADIQ Group: BCSDS -07

Project Title: AUTOMATED WEP DECRYPTOR

Task Day	Analysis	Design	Documentation	Coding	Data preparation	Presentation materials	Meetings	Other	Total
Sun.	Made research on WEP and its vulnerabilities							Send minutes of meeting to Team members	
Mon.						Prepare for verbal presentation		Research on how WEP works	
Tue.									
Wed.	Vulnerabilities of WEP								
Thu.								Prepare for presentation	
Fri						Made presentation on our project during the lecture		Attended project class	
Sat.			Document minutes of meeting				Attend Team meeting		
Total									

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Weekly Activity Summary (Week 5)

Name: SAFANA IBRAHIM SADIQ Group: BCSDS -07

Project Title: AUTOMATED WEP DECRYPTOR

Task Day	Analysis	Design	Documentation	Coding	Date preparation	Presentation materials	Meetings	Other	Total
Sun.			Began documentation on Project Plan				Mailed minutes of meeting to Team members	Installed C# to begin learning on how to use it for development.	
Mon.								Research on WEP attacks	
Tue.			Researched on which methodology to use.					Found Klein's attack as the best to use in cracking WEP	
Wed.								Research on Klein's attack on WEP	
Thu.				Began learning C#					
Fri								Attended project class	
Sat.			Document minutes of meeting				Attend Team meeting		
Total									

CSCI321 – SOFTWARE PROJECT

Weekly Activity Summary (Week 6)

Name: SAFANA IBRAHIM SADIQ Group: BCSDS -07

Project Title: AUTOMATED WEP DECRYPTOR

Task Day	Analysis	Design	Documentation	Coding	Date preparation	Presentation materials	Meetings	Other	Total
Sun.							Mailed minutes of meeting to Team members	More research on other cracking algorithms	
Mon.				Learnt the C# basics					
Tue.									
Wed.									
Thu.									
Fri								Attended project class	
Sat.			Document minutes of meeting				Attend Team meeting		
Total									

CSCI321 – SOFTWARE PROJECT

Weekly Activity Summary (Week 4)

Name: Justin Chigozie Chukwu Group: BCSDS-07

Project Title: Automated WEP Decryptor

Task Day	Analysis	Design	Documentation	Coding	Data preparation	Presentation materials	Meetings	Other	Total
Sun.								Understand requirement	
Mon.							Attend Team Meeting	Research on Algorithm	
Tue.								Sketch Web site	
Wed.						Find Presentation materials		Tried PHP	
Thu.								Presentation suggestions and Web Design	
Fri				Script(Website)					
Sat.							Attend Team Meeting	Update Team Members and Web Design	
Total									

CSCI321 – SOFTWARE PROJECT

Weekly Activity Summary (Week 5)

Name: Justin Chigozie Chukwu Group: BCSDS-07

Project Title: Automated WEP Decryptor

Task Day	Analysis	Design	Documentation	Coding	Data preparation	Presentation materials	Meetings	Other	Total
Sun.				HTML				Conclude Version 1 of Website	
Mon.								Notify Team Members On Web progress	
Tue.								Present Website to supervisor	
Wed.							Team Meeting	Test Website Code (HTML)	
Thu.								Modify interface	
Fri				Test html				Detect and Corrected errors on website	
Sat.				HTML(website)			Team Meeting		
Total									

CSCI321 – SOFTWARE PROJECT

Weekly Activity Summary (Week 6)

Name: Justin Chigozie Chukwu Group: BCSDS-07

Project Title: Automated WEP Decryptor

Task Day	Analysis	Design	Documentation	Coding	Data preparation	Presentation materials	Meetings	Other	Total
Sun.								Find Hosting Site	
Mon.								Web testing	
Tue.		Conclude Initial Software Storyboard						Find Hosting Site	
Wed.								Find Hosting Site and update website	
Thu.								Purchase License Domain and update website	
Fri								Host website	
Sat.							Attend group meeting		
Total									

CSCI321 – SOFTWARE PROJECT

Weekly Activity Summary (Week 4)

Name: Ahmad Ahmad Group: BCSDS -07

Project Title: Automated WEP Decryptor

Task Day	Analysis	Design	Documentation	Coding	Date preparation	Presentation materials	Meetings	Other	Total
Sun.									
Mon.								Research on software development process	
Tue.									
Wed.									
Thu.								More Research on software development process	
Fri								Fill weekly activity summary and Attended project class	
Sat.							Team meeting		
Total									

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Weekly Activity Summary (Week 5)

Name: Ahmad Ahmad Group: BCSDS -07

Project Title: Automated WEP Decryptor

Task Day	Analysis	Design	Documentation	Coding	Date preparation	Presentation materials	Meetings	Other	Total
Sun.									
Mon.								Research on WEP attacks	
Tue.								Preparing storyboard and Web checking	
Wed.									
Thu.								Review minutes of meeting with the team	
Fri								Attended project class and Fill in the weekly activity summary	
Sat.							Attend team meeting		
Total									

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Weekly Activity Summary (Week 6)

Name: Ahmad Ahmad Group: BCSDS -07

Project Title: Automated WEP Decryptor

Task Day	Analysis	Design	Documentation	Coding	Data preparation	Presentation materials	Meetings	Other	Total
Sun.									
Mon.								Web testing and research on RUP	
Tue.								More research on RUP	
Wed.								Watched how the similar application works(online)	
Thu.								Research on design tools	
Fri								Attended project class and Fill in the weekly activity summary	
Sat.							Attend group meeting		
Total									

CONCLUSION

This report discussed minute of meetings and weekly activity summary report of each team member.

The report shows that it is important to keep track of events during any software development process and keep record of activities involved, decisions taken, efforts and contributions of each member. Within the duration of this report, the Inception phase of the project was completed and part of the project's Elaboration phase was actualized.

