




Faculty of Engineering and Technology
Department of Networking and Communications
Minor Project Work/Internship – Student Log Book

Degree/ program	B.Tech	Specialization	CSE
Academic Year	2021-2022	Semester	7

Course Code	18CSP107L/ 18CSP108L	Course Title	Minor Project/Internship
-------------	-------------------------	--------------	--------------------------

Name of student	Register Number	Department	Mobile Number	Email ID
Upanshu Bhardwaj	RA2011028010083	NWC	8595607889	ub4116@srmist.edu.in
D.Bhargav	RA2011028010069	NWC	9000169700	db8482@srmist.edu.in

Mission Statement: In this project we are going to work on cloud security issue by adding TPA and AES algorithm. This will be applicable in software industry

Working Title of the Project:	A Secure Data Dynamics and Public Auditing Scheme for Cloud Storage
Project Site / Location	
Name and address of the company / organization	SRM Institute of Science and Technology, Kattankulathur, Chengalpattu District-603203
Signature of Student1	
Signature of Student2	
Signature of Project Guide	

Minor Project Work/Internship – Student Log Book

Degree/ program		B.Tech		Specialization		CSE	
Academic Year		2021-2022		Semester		7	
Course Code	18CSP107L/ 18CSP108L		Course Title		Minor Project/Internship		
Name of student	Register Number		Department		Mobile Number	Email ID	
Upanshu Bhardwaj	RA2011028010083		NWC		8595607889	ub4116@srmist.edu.in	
D.Bhargav	RA2011028010069		NWC		9000169700	db8482@srmist.edu.in	

Mission Statement: In this project we are going to work on cloud security issue by adding TPA and AES algorithm. This will be applicable in software industry

Mission Statement:	In this project we are going to work on cloud security issue by adding TPA and AES algorithm. This will be applicable in software industry		
Supervision Team			
	Supervisor	Co-Supervisor	External Supervisor (If applicable)
Name	Dr. Saravanan		
Designation	Associate Professor		
Department	NWC		
Campus	Kattankulathur		
Telephone	8973059349		
E-mail	saravanm7@srmist.edu.in		
Stakeholders of the Project			

Division of work and contributors

Time period		Activities or components of the project	Name/Register Number of the Individual Contributor	Names/Register Number of the Joint Contributors
From Date	To Date			
2023-09-29	2023-10-01	1. Working on the Project Report, System architecture. 2. Working on a Research Paper. 3. Started working on the website.	RA2011028010083	RA2011028010069

Division of work and contributors

Time period		Activities or components of the project	Name/Register Number of the Individual Contributor	Names/Register Number of the Joint Contributors
From Date	To Date			
2023-09-29	2023-10-01	1. Deciding the website template 2. Confirming the website design template. 3. Working on the front-end of the website.	RA2011028010069	RA2011028010083

Summary record of major progress meetings with supervisors

Summary record of major progress meetings with supervisors			Working title of dissertation/research project:	
Meeting date & supervisors present	Progress since last meeting	Agreed programme of work and target dates	Other issues, e.g. facilities, supervision, training needs, etc.	Date of next meeting
2023-10-18	1. Writing the research paper in format 2. Completing the project report 3. Confirming the progress done till now	2023-10-18		2023-10-19

Worksheet / Data collection / Observation etc

[1] The global cloud computing market report 2019.

[2] J Agarkhed, R Ashalatha-“ An efficient auditing scheme for data storage security in cloud”.2017[ICCPCT].

- [3]. SK Saroj, G Noida, SK Chauhan, AK Sharma “Threshold cryptography based data security in cloud computing’s Vats-2015. [4] Mell, Peter, and Tim Grance. The NIST definition of cloud computing (2011).
- [5] P. Mell and T. Grance, “The NIST definition of cloud computing”, National Institute of Standards and Technology, Tech. Rep., 2009.
- [6]. Swapnali Morea, Sangita Chaudhari, “Third Party Public Auditing Scheme for Cloud Storage”, International Journal of Prpcedia Computer Science, Volume 79, pp.69-76, 2016.
- [7] Zissis, Dimitrios, and Dimitrios Lekkas. Addressing cloud computing security issues. Future Generation computer systems 28.3(2012):583-592.
- [8] B. L Adokshaja, and S.J. Saritha, “Third Party Public Auditing on Cloud Storage using the Cryptographic Algorithm” ICECDS-2017. [9] Cong Wang, Sherman SM Chow, Qian Wang, Kui Ren, and Wenjing Lou. “Privacy Preserving Public Auditing for Secure Cloud Storage. [h p://eprint.iacr.org/2009/579.pdf](http://eprint.iacr.org/2009/579.pdf).
- [10] Cong Wong, Sherman S M Chow, Qian Wang, Kui Ren, and Wen jing Lou. “Privacy Preserving Public Auditing for Secure Cloud Storage”. IEEE Transactions on Computers, Volume 62, ISSUE 2, February 2013.
- [11] Abhishek Mohta, Ravi Kant Shu, Lalit Kumar. “Robust Data Security

for Cloud while using Third Party Auditor". International journal of advanced research in CSE (IJARCSE), Volume 2, Issue 2, February 2012.

[12] IK Meenakshi and Sudha George. Cloud Server Storage Security using TPA. International Journal of Advanced Research in Computer Science and Technology (IJARCST) ISSN: 2347-9817, 2014.

[13] Qian Wang, Cong Wang, Kui Ren, and Wenjing Lou, and Jin Li. Enabling Public Auditability and Data Dynamics for Security in Cloud Computing. Parallel and Distributed Systems, IEEE Transactions on, 22(5):847-859, 2011.

[14] Kan Yang, Xiao Hua Jia." An Efficient and Secure Dynamic Auditing Protocol for Data Storage in Cloud Computing, IEEE Transaction on (110), 2012.

[15] W. Stallings," Cryptography and network security," LPE Sixth Edition, ISBN-978-013-335-4690.

[16] Kerry Maletsky,"RSA vs ECC comparison for embedded system "Atmel8951.

[17] Meiliana Sumagita, Imam Riadi, "Analysis of secure hash algorithm(SHA) 512 for encryption process on web based application" IJCSDF-7(4):373-

381.

Journal Publication

A Secure Data Dynamics and Public Auditing Scheme for Cloud Storage