LIST OF FIGURES AND TABLES

Figure Title Page

1. Map of Cebu City 9

2. Gantt Chart of the System 14

3. System Use Case of Manage User 23

4. System Use Case of Authenticate Users 26

5. System Use Case of Integrated Development Environment (IDE) 30

6. System Use Case of Chat Box 32

7. System Use Case of Payment and Commission Computation 34

8. System Use Case of Schedule Tutorial Reservation 37

9. System Use Case of Navigate Webcam and Microphone 39

10. System Use Case of Tutorial Topics 42

11. System Use Case of Email Notification 45

12. System Use Case of Class Schedule 49

13. System Use Case of Payout Receipt 53

14. System Use Case of Ratings . 55

15. Class Diagram of Collaboration Code Learning Environment 22

Using MERN STACK

16. The ERD Model of Collaborative Code Learning 57

Environment using MERN Stacks

17. Database Schema of Collaborative Code Learning Environment 59

using MERN Stacks

18. Home Page UI 60

19. User Authentication UI 60

20. Sign Up IU 61

21. Verification Alert UI 61

22. Account Verification UI 62

23. Account Setting UI 62

24. User Profile UI 63

25. Find Tutor UI 63

26. Set Appointment UI 64

27. Booking Request UI 64

28. Accept booking request UI 65

29. Payment booking UI 65

30. Bill receipt UI 66

31. Appointment Calendar UI 66

32. Access link UI 67

33. Video and Code Collaboration UI 67

34. System Flow of Collaborative Code Learning Environment 84

using MERN Stacks

35. Sample Code for Collaborative Code Learning Environment 93

using MERN Stacks

TABLE

1. Gantt Chart of the System 15

2. Payback Period 69