**CHAPTER 8**

**CONCLUSION**

CoDraw which is based on our code generation approach described in our tool is based on UML class diagrams and activity diagrams. The skeleton of the generated code is built from the class diagram. Activity diagram gives behavioral code to the user. The results show that the generated Java code is consistent with UML models. JarMaker generates jar file from selected class file. Class and activity diagram can be saved as image in png/jpg/bmp format.

1. **Future Scope**

With the availability of time and resources, further this system can be extended by adding sequence Diagrams making it as java code tool. This tool can be further integrated with other UML Diagrams making it as and forward engineering tool i.e. executable tool and it can be applicable to corporate organizations as well as startups companies for embedded application. Generated code can be made available in multiple languages.

**BIBLOGRAPHY**

**Journal Papers**

1. B. Selic, “Uml 2: A model-driven development tool. Modeldriven software development,” IBM Systems Journal, Riverton,vol. 45, n. 3, pp. 607–620, 2006.
2. M. Usman and A. Nadeem, “Automatic generation of java code from uml diagrams using ujector,” International Journal of Software Engineering and its applications (IJSEIA), Daegu, vol. 3, n. 2, pp. 21–37, 2009.
3. I. A. Niaz and J. Tanaka, “An Object-Oriented Approach to Generate Java Code from UML Statecharts”, *InternationalJournal of Computer & Information* *Science,*vol. 6, no. 2, 2005.
4. B. Selic, “Models, software models, and uml,” UML for real:Design of embedded realtime systems, vol. Boston: Kluwer Academic Publishers, pp. 1– 16, 2003.
5. “Object Oriented UML Modeling for ATM Systems”:Department of computer technology, VJTI University, Mumbai.

**References from site**

[6] Class Diagram: <https://en.wikipedia.org/wiki/Class_diagram.>

**Books**

1. Learning Visual Basic .NET- Jesse Liberty.
   1. The Unified Modeling Language Reference Manual by James Rumbaugh, Ivar Jacobson, AND Grady Booch.

**PUBLICATIONS AND CERTIFICATES**

[1] Purvisha Khunt, Jignesh Lad, Dhruv Tank, “CODRAW-GENERATING AUTOMATED EXECUTABLE CODE FROM UML MODELS”` International Journal of Recent Scientific Research Vol. 8, Issue, 2, pp. xxxxxx, February, 2017

[2] Purvisha Khunt, Jignesh Lad, Dhruv Tank, Participated in the National level Project Competition “KJSIEIT-INTECH 2k17”.

[3] Purvisha Khunt, Jignesh Lad, Dhruv Tank, “CODRAW-GENERATING AUTOMATED EXECUTABLE CODE FROM UML MODELS” **International Journal on Recent and Innovation Trends in Computing and Communication.**