WORKSHEET - Behavioral Modeling

ANALISIS DAN PERANCANGAN SISTEM INFORMASI REGULER - GASAL 2020/2021

Kelas	:
Nama	:
NPM	:

COMPUTER

SCIENCE

FACULTY OF

		_
		_
		_
		_

You are given the partial deliverables of as-is functional and structural model of Library Management Systems.

Fig 1. Use Case Diagram for Library **Information Systems**

Borrow Books

Search Collection

Return Books



*

Personnel Office

<<actor>> **Registrar Office**







Librar

Borrow

t



FACULTY OF COMPUTER SCIENCE WORKSHEET - Behavioral Modeling

ANALISIS DAN PERANCANGAN SISTEM INFORMASI REGULER - GASAL 2020/2021

Fig 3. Use Case Description for Borrow Books



Fig. 4 Partial Class Diagram (without attributes and methods)



Instructions:

Study all the deliverables and relate how to create behavioral model (sequence diagram) based on functional and structural model. Use your handwriting to do this following tasks.

- 1. Create sequence diagram of Borrow Books Use Case
- 2. Then, create communication diagram of Borrow Books Use Case
- 3. Create Behavioral State Machine Diagram for an object "**Book**" based on complete case attached on Scele section Behavioral Modeling.