



EAST WEST UNIVERSITY

**Smart Driving License of Business Process Model
and Notation 2.0 for BRTA**

(Assignment 2)

(Bangladesh Road Transport Authority)

Course code: CSE407

Section: 02

Course Title: Green Computing

Submitted to

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Smart Driving License of Business Process Model and Notation 2.0 for

BRTA (Bangladesh Road Transport Authority)

(a) Draw an AS-IS model:

Designing the present processes precisely as they are the first step in determining any opportunity for workflow optimization in any firm. The scopes of optimization may be found based on the model as-is. In this study, the BRTA's most typical licensing procedures have been modelled exactly as the pertinent parties have described them. After considering the business processes, the parties involved, and the manner in which the processes are carried out, business processes have been modelled under the presumption that if any tasks are abandoned or interrupted in any lane's workflow, the entire process will be terminated as a failed process. Each process model has been easy to comprehend and suitable for use as a guide for beginners. They also provide vital details on the ways in which stakeholders interact with the processes and reveal which stakeholders take part in which processes and in what capacities.

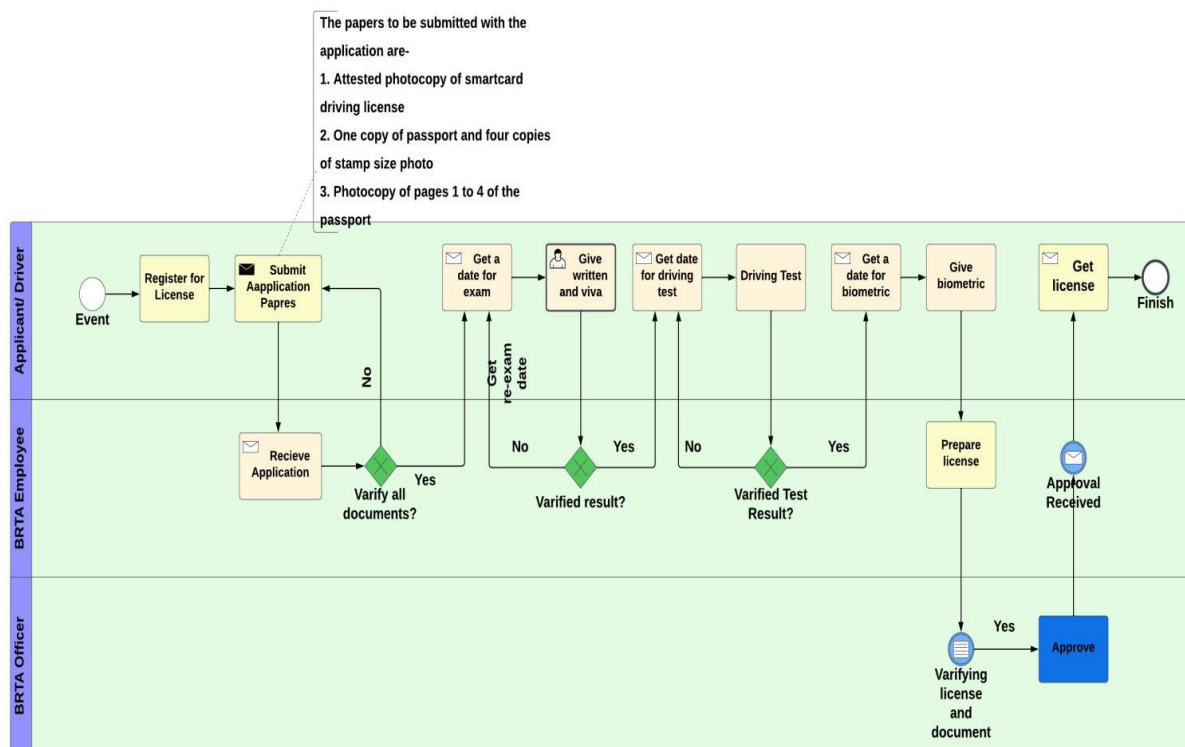


Figure 1: As-Is BPMN diagram for Smart Driving License

(b) Draw the modified process of (a) with a TO-BE model:

The idea behind our build-to-be is to avoid wasting money on a second card that smart driving license holders already use. The smart card database will be updated and saved with the smart card holder with driving authorization if the candidate for a driving license passes all examinations. During a police or other check, it will be simple to determine if the motorist has a valid license or not. In essence, we eliminate the phrases "Driving License,"

The conversion of everyday things into Smart Things is a contemporary trend that supports the IoT Platform (Internet of Things) for easy communication over the Internet. The next item on this list will be our identification cards or licenses. Here, we've developed a system for smart driving licenses, where an RFID card (Radio Frequency ID card) would ultimately replace your traditional driver's license and electronically record all of your personal data.

Here, we've demonstrated how, after completing the necessary steps to obtain a license, the information will be stored in a government database and attached there to the driver's NID, ensuring that the police will have access to all the necessary details when the driver's NID is scanned.

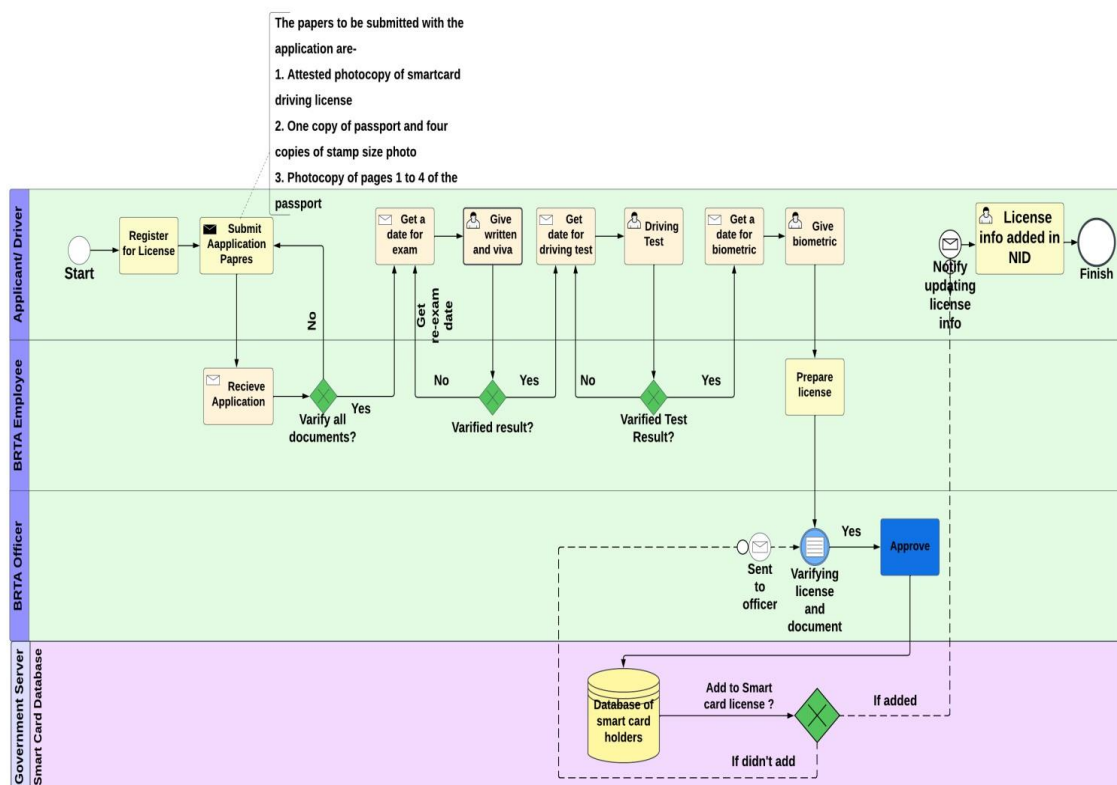


Figure 2: To-Be BPMN 2.0 Diagram for Smart Driving License

Highlighting the modification:

- Each police officer will be given a scanner to scan National ID cards.
- When someone completes the process of obtaining a driver's license, the approval will be automatically recorded in the government's database and linked to the driver's National ID as the vehicle owner.
- The applicant will receive an SMS notification from the Bangladesh Road Transport Authority (BRTA) confirming the update.
- This process will allow for a paperless system.
- People will no longer need to carry multiple cards, as their National ID will serve as their driver's license.

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 - [2] Hale, Howard Stanley, and Elaine Elizabeth Futrell. "Ignition system with driver identification." U.S. Patent No. 7,279,806. 9 Oct. 2007.
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