**GRADUATE CERTIFICATE: Intelligent Reasoning Systems (IRS)**

**Individual Project Report**

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| **Project Title:** Churn Fortuneteller |
| **Team Member 1 Name:** Sivasankaran Balakrishnan |
| **Team Member 1 Matriculation Number:** A0065970X |
| **Journey in churn fortuneteller**  It is quite fun and really enjoyed working as a team. We all had good understanding and shared our knowledge and experience. We helped each other and we all had clear goal to complete the Churn Fortuneteller project successfully on time.  We had numerous face-to-face / Zoom / tele conversation sessions to discuss and confirm the project scope, selecting the technologies, application development tools and development methodology and run through the progress. |
| **Acquire Domain Knowledge:**  Our team is new to the telecommunication sector, so we had spent lot of time and effort to understand the business model and their service offerings to their customers.  Now we are better equipped with the telecommunication business knowledge and analyze their massive data and bring out valuable insights that will help the company to take better decisions. |
| **Learn new technologies:**   1. I had picked up and familiar with web development using Python and its flask framework. 2. Acquired the working knowledge of Python libraries applicable for Machine Learning projects. 3. Learned and explored the data analysis / data discovery tools (Orange, Panda – Python Library). 4. Also learned and impressed with working and implementation of ASR, speech recognition and natural language processing technologies. 5. Upon acquiring the above knowledge, looking forward to work in machine learning / data analysis related projects. |
| **My Involvement in Churn Fortunetelling Project**  I am involved in the application development of Churn Fortunetelling project from end-to-end with following stages of application development lifecycle.   * Requirement Analysis * Data Identification * Data Analysis * Application Scope * Application Design * Application Development * Code review * Verification Activities * Unit & final Testing * Documentation   + Project Proposal   + Churn Fortuneteller Project Report   + Prepared the Churn Fortuneteller presentation slides |