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

**Individual Project Report**

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| **Project Title:** Churn Fortuneteller |
| **Team Member 3 Name:** Putrevu Manoj Niyogi |
| **Team Member 3 Matriculation Number:** A0213557E |
| **Journey in churn fortuneteller**  It is a great pleasure and wonderful opportunity to form a team from diversified backgrounds with the right, balanced mixture of talents to kick start the Churn Fortuneteller project as part of our Semester project. It was fun working with the team and learning at the same time. Each of the project member helped others in sharing their expertise, knowledge and experience to sprout the thoughts on planning and execution of the project.  We four of our project members discussed and given well thought and come to a consensus right from choosing the domain of the project and formulating the project plan of analysis, design, development. We helped each other during the project phase by having candid discussions and exchanging ideas which enables us to successfully complete the project in time.  Due to the current circuit breaker we could meet twice face to face and then decided to continue our journey using Zoom calls for sharing ideas and follow up on our individual work with each other throughout the project development time. |
| **Acquire Domain Knowledge:**  Even though team had no experience to telecom domain each individual spent a good amount of time in understanding business using online media and acquired fair amount of knowledge about different models and services offered by different competitors in the market. Some of us having a decent understanding on Customer and their Churn patterns from different industry which helped us correlate to the telecom industry as on plus point.  At the end we picked up the required business knowledge to understand analyze the data and make necessary decisions and argument to justify in selecting the Churn variables |
| **Learn new technologies:**   1. I learned and became familiar in development using Python and flask frame work. 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. 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.   * Application Scope * Application Design * Requirement Analysis * Data Gathering * Data Analysis * Application Development * Code review * Verification Activities * Unit & final Testing * Documentation   + Project Proposal   + Churn Fortuneteller Project Report   + Prepared the Churn Fortuneteller presentation slides |