Project Abstract: Assessment of Marginal Workers in Tamil Nadu- A Socioeconomic Analysis Using IBM Cognos Analytics

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Phase 4

AI & ADS (Artificial Intelligence and Advanced Data Science):

1. **Feature Engineering**:
   - Continue with feature engineering to extract, select, or engineer relevant features from your dataset to improve model performance.
2. **Model Training**:
   - Select a machine learning algorithm suitable for your project and train the model using the preprocessed data. Experiment with different model architectures if needed.
3. **Model Evaluation**:
   - Evaluate the model's performance using appropriate metrics such as accuracy, precision, recall, F1-score, or other relevant evaluation measures.
4. **Analysis as Needed**:
   - Perform additional analyses as required by your project's goals and objectives. This may include model interpretation, fine-tuning, or hyperparameter optimization.
5. **Documentation**:
   - Create a comprehensive document detailing the feature engineering, model training, evaluation results, and any additional analyses conducted.
6. **Sharing for Assessment**:
   - Upload the document to your private GitHub repository, following the file naming convention: "TechnologyName_Phase4". Ensure access is granted to the relevant evaluators.

DAC (Data Analytics and Cognos):

1. **Continuing Analysis and Visualization**:
   - Build upon the data analysis and visualization activities from Phase 3. Perform additional analyses as per your project's requirements.

2. **Model Building (if applicable)**:
    - If your project involves predictive modeling or statistical analysis, build the necessary models and document the process.
3. **Model Evaluation (if applicable)**:
    - Evaluate the models' performance and provide insights based on the results.
4. **Documentation**:
    - Create a document that summarizes the analysis, visualizations, and, if relevant, the model building and evaluation.
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IOT (Internet of Things):

1. **Platform Development**:
    - Continue building the IoT platform as per your project's requirements, incorporating web development technologies if necessary.
2. **Development Documentation**:
    - Create documentation that explains the platform development process, including the technologies used and the implementation details.
3. **Testing and Validation**:
    - Test the IoT devices and platform to ensure they function as intended. Document the testing process and results.
4. **Documentation**:
    - Summarize the platform development, testing, and validation processes in a document.
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CAD (Cloud Application Development):

1. **Continuing Development**:
    - Continue building your project using IBM Cloud Foundry, performing the required functions as per your project's specifications.
2. **Development Documentation**:
    - Create documentation outlining the development activities, technologies used, and how your project is progressing.
3. **Testing and Validation**:

- Test the application to ensure it works as expected and meets project requirements.

4. **Documentation**:
   - Summarize the development, testing, and validation activities in a document.
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