**Statement of Work**

**Prepared For**

**Kool Kanya Private Limited**

**Created By**

**Buvana J Iyer**

**Description of Services**

Build a Hybrid recommendation system for recommending articles and posts on the web portal of koolkanya.com based on user behaviour displayed through written posts, comments, sub-comments, questions and articles. The model would leverage ML techniques to make relevant recommendations. In the absence of model output for a user, system would use clickstream data and customer profile to recommend using a rule-based model.

**Deliverables**

Model Web API using Django REST framework or Flask RESTful for the Model

**Project Schedule**

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| 1 | Data Access to all the relevant DB |
| 2 | Meta Data Understanding |
| 3 | Understanding current processes and Tags |
| 4 | Build Tag Classification Model in Python- Third party API from Entropy to be leveraged |
| 5 | Recommender Model Build in Python |
| 6 | Scoring and Scaling for Deployment |
| 7 | Build the relevant APIs for the model in Django/Flask framework |
| 8 | Deployment & Integration support |

**Pricing and Payment Schedule**

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| (1) Tag Classification Model- Rs 30,000 |
| (2) Recommender System Build – Rs 50,000 |
| (3) Scoring and Scaling for Deployment- Rs 30000 | |
| (4) Build the relevant APIs for the model in Django/Flask framework: Rs 30000 |
| (5) UAT & Deployment support: Rs 10,000 (ownership of UAT is on Kool Kanya) |
| Total Rs. 1,50,000 |

Invoice would be raised in three parts:

* Part 1 Rs 80000/ to be paid after completion of items (1) & (2)
* Part 2 Rs 30000/ to be paid after completion of item (3) & (4)
* Part 3 Rs 40000/ to be paid after completion of UAT on website (not exceeding one month from delivery of model APIs)

**Assumptions & Exclusions**

1. **AB testing is not included**