**INTELLIGENT ADMISSION: THE FUTURE OF UNIVERSITY DECISION MAKING WITH MACHINE LEARNING**

**Business Problem**

*University admission is the process by which students are selected to attend a college or university. The process typically involves several steps, including submitting an application, taking entrance exams, and participating in interviews or other evaluations.*

*The business requirement for a machine learning model to predict chances of student admission in the university. Artificial intelligence has been evolving rapidly in recent years, and many MCA degree programs offer degrees in the field. While there is no single correct method to learn about artificial intelligence, pursuing an MCA give can give the critical skills & knowledge need to succeed in this rapidly growing field. MCA program in AI typically cover machine learning, natural language processing, and knowledge representation. Students will also learn about algorithms, data mining, and decision trees. With an MCA in AI, graduates will be prepared to work in various industries, software engineer, computer instructor in schools, and various departments.*

**Business Requirement:**

*KNN(K-Nearest Neighbours) algorithms is a non-parametric, supervised learning classifier, which uses proximity to make classification or predictions about the grouping of an individual data point. KNN is mainly used for classification predictive problems in industry.*

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| **Particular** | **Value** |
| Degree Name | MCA |
| *Degree Duration* | *2 years* |
| *Level of Degree* | *Postgraduate* |
| *Eligibility Criteria* | *Graduation from a recognized university with a minimum aggregate score of 60%* |
| *Mode* | *Full-Time* |
| *Examination scheme* | *Semester system* |
| *Entrance Exam* | *TANCET Exam* |
| *Subjects* | *Open source software, operating system, python, mobile application development* |
| *Top Recruiters* | *HCL, TCS, Infosys, polaris, voltmart and other IT Companies.* |
| *Admission process* | *Direct admission and based on entrance exam* |
| *Job profiles* | *Software Developer, Data science,Testig* |

**Literature Survey:**

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*[6] duc thang nguyen, lihui chen, chee keong chan, “clustering with multi viewpoint based similarity measure,” ieee transactions on knowledge and data engineering. Vol. 24. No. 6. June 2012.*

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*[8] hana bydžovská. Course enrollment recommender system: proceeding of the 9th international conference on educational data mining, p. 312 – 317.*

*[9] jamil itmazi and miguel megias (2008), using recommendation systems in course management systems to recommend learning objects, p. 234 – 240.*

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**Social or Business Impact:**

*Every year millions of students apply to universities to begin their educational life. Most of them don’t have proper resources, prior knowledge and are not cautious, which in turn creates a lot of problems as applying to the wrong university/college, which further wastes their time, money and energy. With the help of our project, we have tried to help out such students who are finding difficulty in finding the right university for them.*

*It is very important that a candidate should apply to colleges that he/she has a good chance of getting into, instead of applying to colleges that they may never get into. This will help in reduction of cost as students will be applying to only those universities that they are highly likely to get into.*

*Our prepared models work to a satisfactory level of accuracy and may be of great assistance to such people. This is a project with good future scope, especially for students of our age group who want to pursue their higher education in their dream college.*