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|  | **HASAN KALYONCU UNIVERSITY****Computer Engineering Department****CENG 499 Project Proposal Form** |

**Part I. Project Proposer**

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| **Name, Last Name** | **Abdul Hafiz ABDULHAFIZ** | **E-mail** | **abdul.hafez@hku.edu.tr** |

**Part II. Project Information**

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| **Starting Term** |

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| **Title of the Project** | Visual Localization of a Vehicle on the road using LSTM and deep Transformers  |
| **Project Description** |
| The Project include the design and implementation of deep learning network for visual localization and place recognition. Students can communicate with Dr. Abdul Hafiz for more details if they are interested in the project.Good English skills and a CGP that is higher than 2.7 is required. |
| **Project Justification** |
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| **New aspects** |  |
| **Complexity** |
| **Challenging problem and issues** |  |
| **Related computer science fields and subfields** |  |
| **Tools** |  |
| **Risk involved** |
| **Potential problems and alternative solutions** |  |
| **Minimum work required** | 28 weeks |