

TRIBHUVAN UNIVERSITY

INSTITUTE OF ENGINEERING

CENTRAL CAMPUS, PULCHOWK

**PROJECT PROPOSAL**

**ON**

**Coordinated Gameplaying Robots**

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**ABSTRACT**

Problem solving in complex domains require multiple agents, dynamic environment and the need for adaptive learning from the environment. Cooperative centralized multirobot learning is an active research area involving multiple learning entities controlled by a single central governmenting body to learn optimal solutions for an overall system. Robotic football is such a complex task. The paper proposes the task of minor football tactics for development of such a cooperative system. The project will aim to analyze the cooperative learning in various practical conditions so as to come up with an optimal collaborative tactics.

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