**LETTER OF RECOMMENDATION**

I take immense pleasure in recommending BHARGAV REDDY KONAPALLI for admission into Master of Science program in your reputable university. He’s has done his project “Collective Transportation of object using swarm of mobile robots” underneath my guidance. As his tutor and project guide, I take this chance to judge his knowledge.

Bhargav has continuously secured smart grades throughout his undergraduate degree. His intellect is clear not solely from his grades, however conjointly from his general curiosity regarding the knowledge of his subjects as well as his selection of electives. He has continuously chosen the foremost recondite subjects, only for the sake of challenging his intellectual capacity. Moreover, during his project under my guidance when he had approached with the conception of transportation of objects utilizing swarm of miniature mobile robots was very intuitive and prehended my attention. He expeditiously understood the different concepts required in designing such a solution and developed a unique algorithm which used ‘Occluded Strategy’ for efficacious conveyance. This project injunctively authorized efficacious implementation of unique hardware design for the robot and well-coordinated communication among the robots which was accompanied by a deep understanding of image processing utilizing OpenCV, embedded systems. The project required him to develop a protocol for communication and co-ordination between the robots. It was a complex protocol that was completely implemented by programming it in controller. He and his team came up analysis and design for the protocol utilizing a variety of concepts in C++ and C. With his innovative approach and out of the box mentally conceiving, he came up with sundry use cases, experimented them with their practical applications and had put forth optimal results.

Not solely within the academic setting, however Bhargav’s distinction is often seen through his behaviour along with his classmates and academics too. It is my belief that a stronger education will help Bhargav to truly succeed in his desired field of study by improving his talents. Since the curriculum offered by your university is designed to build on each student’s capabilities, I am confident that Bhargav Reddy will both grow from and give back to your program

**Jayashree S**

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