

## Letter of Recommendation

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It is my pleasure to write on behalf of Mr. Uday Yatnalli whom I have known from past 5 years. During this period, I have taught him Digital Signal Processing course and was in-charge of Advanced Communication laboratory course work. I was also his project guide for the graduation project and have known him personally from close quarters. In my opinion, Uday possesses an eminent analytic ability and an acute sense of reasoning; his potential to bring out the solutions to some of the most complex issues is well appreciated in our college.

Uday has been enthusiastic about everything that relates to communications domain. This was demonstrated when his paper titled *Bilingual Speech Recognition System* went on to win the Best Research Paper award in the International Conference of VLSI and Signal Processing (ICVSP-2012, Bangalore). As mentor of his bachelor thesis, I witnessed Uday in his first independent research efforts. I was impressed by the methodical study he carried out to choose the topic that would fit his academic goals. He conducted mini technical reviews on potential topics and discussed his ideas with sophistication. He showed an excellent intellectual creativity with the blend of broad interdisciplinary approach to accomplish a complex task of implementing a Multilingual Speech Recognition System on a Humanoid Robot. Later this work was showcased in State Level and National Level competitions and earned many positive responses.

His other projects like Intelligent Room Light Controller System, Line Follower Robot (LFR) and Soccer Robot depict his creativity and his passion in the automotive domain as well. I was particularly impressed when he, being a sophomore, developed a line follower robot using a new algorithm which drastically reduced the number of infrared sensors and complexity of circuit. During his final semesters, he also conducted few workshops on designing autonomous robots.

Uday has organized as well as participated in numerous technical events. He was also a proactive member of IEEE student branch at SIT. At a personal level, Uday is a disciplined, responsible student with a pleasant personality. He is very interactive in the class and endorses the discussions with cogency and natural ease. This combined with his pragmatic approach and his orientation towards research has always kept him ahead of his peers. I believe that Uday Yatnalli will excel at your university with his competence, coupled with your preeminent guidance and extend a valuable contribution to the ongoing research activities. Thus, it is with deep conviction that I recommend Uday Yatnalli for admission to the Masters programme at your University with the requisite financial assistance.

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[REDACTED]  
Head of the Department, [REDACTED],  
Siddaganga Institute of Technology (SIT), India  
Email: [REDACTED]  
Phone: [REDACTED]