**Letter of Recommendation**

I am pleased to write a letter of recommendation for Navdeep, an enthusiastic and innovative person, working as a Senior Software Engineer in Software Engineering and Systems Department at John Deere Technology Center of India, Pune. For 1.5 years I have worked closely with him as a mentor, I do meet him on regular basis for the Software as well as advance innovation projects at Deere. Four years of regular interactions and mentor-mentee relation helped me to assess his growth in technical and interpersonal skills.

Navdeep have always presented the innovative ways of solving the complex problems with simple and smart solutions. He became a member of Innovation Program because of his research and innovation skills. His nomination for 'Budding Talent of the year 2017' Award signifies his efforts as Graduate Trainee. He got selected for “*WOW*” Award which is given for excellence in performance for filing Invention Disclosure’s. He has developed many cost-effective software applications for which he was awarded with one of biggest award “*EUREKA*”.

Navdeep was the Subject-matter Expert for AUTOSAR transition and has received outstanding reviews and promoters from Product Owners. He has a capability to use his bandwidth appropriately which makes him a multi-tasking person, I am aware that he has worked with more than 5 teams in parallel and still delivered the good quality software’s well before deadlines. He has shown leadership qualities in almost all projects such as managing project requirements single handedly and training his team members on advance programming languages and databases.

His eagerness to comprehend in-depth knowledge of systems and processes helped him to develop the understanding of system engineering. He developed many quality Software application tool’s for platform teams, one of which was “DavinciProjectAssistance” tool, which has not only improved the user experience but also saved huge cost by managing licenses effectively. He also developed a Software-toolkit for converting the John Deere systems to AUTOSAR models and vice versa for which he got recognized with “*Hero of the month*” Award and “*WOW*” Award. His continuous efforts to deliver Innovative and cost-effective solutions earned “*Unnati*” Award which is given for out of box solutions that aims to solve and improve the processes of John Deere.

Navdeep has developed close relations within intra- and inter-departments and has shared his experience, knowledge and ideas. His paper on AUTOSAR Transition got selected in LET’s conference where he showcases his software development and designing skills. 4.5 years of experience in Software, Architecture and advance programming languages nurtured his core professional skills of computer science. I was intrigued by his programming skills when his idea on Augmented Reality and Computer Vision for tracking and mapping Deere offices got selected in ‘hackathon” Event which was appreciated by the leadership after watching the demo. His aptitude and research skills are just extraordinary, he has filled 5 unique Invention Disclosure’s for improving the quality and productivity of Deere machines which make stand out of the crowd.

Apart from technical work, Navdeep is very candid and open for volunteering and managing all sort of departmental events. He was part of Color’s Team which is responsible of handling all events organized in Deere.

His creative and analytic thinking to solve the problem, finding opportunities to automate manual work and understanding how it fits into the larger system make him stand out in my group. In future, I see him as a system engineer or any equivalent role.

Navdeep has raised the bar with his attitude and performance. I feel, he has ample potential to achieve excellence in technical domain and thus I would like to highly recommend him to be accepted as post graduate student in your prestigious university.

Regards,

Balasubramanian Karthikeyan

General Manager

Software Engineering and Systems Department

John Deere Technology Center India, Pune.