

LETTER OF RECOMMENDATION FOR MR. NARRA HEMANTH REDDY

I am writing this letter to give my highest possible recommendation for Mr. Narra Hemanth Reddy. I started knowing Mr. Narra Hemanth Reddy through his technical project work during the summer of 2022. He approached me about the possibility of an internship at the National Institute of Technology, Warangal, India. After getting the general outline of the project, he worked independently on a project titled

“Respiration rate monitoring system using Graphite on paper based sensor and ESP8266 microcontroller”.

The research was based on flexible circuits and wearable electronics. He has proposed a novel idea for solving respiratory issues faced by elderly patients. Initially, the internship was planned for three months which include two months of online guidance and one month for hardware implementation. He has shown good dedication by updating every weekend. Upon observing the potential and scope of the project, we have planned to file a patent and publish an IEEE transactions paper. This led to the extension of the internship for six months. Patent has been submitted in the Instrumentation domain for the development of Graphite-on-Paper based sensor and respiration rate monitoring system.

During the internship, he was exposed to the highly equipped labs of the institution for the testing of the hardware. He also showed great enthusiasm during soldering and testing. Specific instructions were given during the paper draft which were obediently followed and execution. Access to various journals and publications improved the quality of the project.

I was pleased with Mr. Hemanth's creative mind and work ethic during his research project. His interpersonal skills are excellent. Mr. Hemanth also showed excellent problem-solving ability. I had the opportunity to closely watch him when we used to have long discussions on various problems related to his project work.

In summary, Mr. Hemanth is a good student. His knowledge of the English language is good. His research potential and programming expertise are excellent. I give him my highest recommendation.

Thanks, and regards,

Yours sincerely,

Date: 06-09-2022