



INTERNATIONAL HELLENIC UNIVERSITY
DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT

57400 Thessaloniki
Dimitrios Tziourtzioumis, Assistant Professor
☎ +30 2310 013394
e-mail: dtziour@ihu.gr

November 21st, 2023

To whom it may concern

Letter of Recommendation
Applicant: Ajay Sharma

As the Vice Director of the Laboratory of Energy Systems of the Department of Industrial Engineering and Management of the International Hellenic University, Greece, I am writing in order to support **Ajay Sharma** in his professional and educational endeavors.

Mr. Ajay Sharma attended an eight week international fellowship in the Laboratory of Energy Systems of the Department of Industrial Engineering and Management of the International Hellenic University, Greece from May 29th until July 21st 2023. In our premises at the Alexander University Campus of Sindos, Thessaloniki, **Ajay** worked on a specific measurement system and on a Remotely Operated Underwater Vehicle (ROUV), under my supervision

Ajay showed a remarkable professionalism from the very first moment. He was easily adjusted to the time schedule of the lab and cooperated remarkably well with all personnel. Dedicated to his assignments, he completed them successfully earlier than expected proposing further solutions and alternatives. Although **Ajay** has initially accepted to work on a drone, he has shown great interest on an ongoing, mechatronics project of the lab; the development of an ROUV for underwater environmental measurements. He has cooperated closely with the team, so far, working on the ROUV and showing significant initiative. His proposals on the mechanical structure of the ROUV were very useful and some of them were adopted. The modifications proposed on the ROUV chassis was modelled by him and will be 3-D printed. In addition, **Ajay** has shown remarkable enthusiasm by accepting to work on the development of a wireless sensors cluster apparatus compatible with our small scale drone. He has worked on the design of all the required mechanical parts on Solidworks software as well as on the manufacturing of the sensors cluster from the designed and printed in 3D printer parts. Additionally, he made the electrical connections, calibrated all the sensors and finally connected the cluster to an Arduino in order to operate it through WiFi. In conclusion, he has managed to build a simple sensor cluster apparatus from scratch in just a month following the guidelines of our personnel.

As for his character, it is worth mentioning that in the frame of his internship, **Ajay** managed to become extremely likeable to the lab's personnel. The combination of low-profile and creativity allowed him to become an active member of the lab in a very short time. He always had a solution about all problems encountered or the will to work towards a solution, a characteristic that we all appreciate a lot. It is apparent, that we are all extremely satisfied by his performance and pleased by his presence and behavior. We are looking forward to continuing this very good cooperation.

I am therefore delighted to strongly support his professional or educational endeavors. Please do not hesitate to contact me to provide you with any further information regarding **Mr. Ajay Sharma**.

Sincerely,

Dimitrios Tziourtzioumis
Assistant Professor