

Dated: 23.02.2022

**Letter of Recommendation for Mr. Piyush Gupta for Joint PhD Programme between  
IIT Kharagpur and University of Manchester**

I am very pleased in recommending Mr. Piyush Gupta as a worthy candidate for joint PhD programme.

Mr. Piyush Gupta is a postgraduate student at the Indian Institute of Technology. He is currently pursuing his master's degree (Master of Technology) in Rubber Technology from Rubber Technology Centre, IIT Kharagpur. He has also qualified a top-ranking **AIR 53 rank** in the all-India level examination (GATE: admission test for master's in technology- which is considered to be one of the very tough and competitive examinations for admission to PG courses in Indian Premiere Institutions).

Mr. Piyush Gupta is well known to me from past 6 month since his M. Tech project started at J K fenner India Pvt. Limited Madurai Tamilnadu India. He is doing Project under the joint guidance of Prof. Narayan Chandra Das and Myself M. Pandy (DGM Technical and QA at J K Fenner India Pvt. Limited. He is currently working upon "**Short Fiber-Reinforced Elastomeric Composites For V-Belt: Study towards improvement of Tribological and Mechanical Properties like Wear Tension & Tear**" and he has been a good student during his M. Tech Project as observed by me in both theory and practical Knowledge which reflects his high academic potential. As His Project Supervisor, I find him extremely hard working, highly dedicated and disciplined researcher.

Mr. Piyush Gupta is highly motivated for research particularly in the field of **short fiber-Reinforced Elastomeric composites, Smart textile materials for microwave absorbing applications, thermally and electrically conductive anti-fouling robust smart fabric for microwave absorbing materials and waste recycling**. He has expertise in a number of advanced polymer and Textile materials processing as well as characterization techniques. He has done his bachelor's degree in Textile Technology and has also expertise in Textile Coatings, Fabric and Yarn Manufacturing with short fibres processing which I think more reliable for working on Smart fabric Materials.

Mr. Piyush Gupta has shown the motivation, intelligence, perseverance, and analytical aptitude for research. He plans his experiments with all necessary controls to reach a valid conclusion. In short, I can infer that he always likes to work on challenging research problems with great application potential. He has a pleasing personality and can work very well in a group.

As his Project Supervisor, therefore, I strongly recommend him for Joint PhD programme. I am sure that Mr. Piyush Gupta will be a great asset to the scientific world and worthy to be a Research scholar.

Please feel free to ask any additional information about Mr. Piyush Gupta.

Mr. M. Pandy

DGM (Technical and QA)  
J K Fenner India Pvt. Limited Madurai India

Page 1 of 1

