



भारतीय प्रौद्योगिकी संस्थान खड़गपुर
Indian Institute of Technology
Kharagpur

RUBBER TECHNOLOGY CENTRE

Dr Narayan Ch. Das
Associate Professor

Dated: 20.02.2022

**Letter of Recommendation for Mr. PIYUSH GUPTA for IIT KHARAGPUR - UNIVERSITY OF
MANCHESTER DUAL PH.D. PROGRAMME**

I am very pleased in recommending Mr. Piyush Gupta as a worthy candidate for dual Ph.D. 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 our 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 Masters 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 for 2 years since his M.Tech. at IIT Kharagpur and have also taught him subjects like Rubber compounding and reinforcing materials, Rheology and processing of rubbers, Rubber products and Manufacturing Technology, Tyre technology, Laboratory classes and he has been a good student during his master courses as observed by me in both theory and practical classes which reflects his high academic potential. As his MTech 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 fibre-Reinforced elastomeric composites, polymer and rubber composites, smart fabric for x-ray/Infrared rays protection applications, thermally and electrically conductive smart fabric and waste recycling. He has expertise in a number of advanced polymer and materials processing as well as characterization techniques.

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 teacher, therefore, I strongly recommend him for Joint Ph.D. 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. You may reach me at +91-9547086298 (mobile) or at ncdas@rtc.iitkgp.ac.in.

Thanking you and with best regards,

Sincerely,

e-mail: ncdas@rtc.iitkgp.ac.in

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