भारतीय प्रौद्योगिकी संस्थान मुंबई
पवई, मुंबई - 400 076, भारत
Indian Institute of Technology Bombay
Powai, Mumbai - 400 076, India

दूरभाष/Phone : (+91-22) 2572 2545
फैक्स/Fax : (+91-22) 2572 3480
वेबसाईट/Website : www.iitb.ac.in

IIT Bombay

7 march 2020.

LETTER OF RECOMMENDATION FOR AMEYA ANJARLEKAR

I am very pleased to write this letter of recommendation for Ameya Anjarlekar, who is a student of the Bachelor of Technology (B. Tech.) Programme (2017-2021) in Electrical Engineering at IIT Bombay. I have known him for almost 18 months, since the start of his 3rd semester in the programme, as a student at IIT Bombay.

During the third semester of his academic programme, I have taught him one course, Network Theory, in which he achieved a grade of AA (10 points), the best grade. In the current semester, he is also pursuing two courses taught by me, Digital Signal Processing and Wavelets, in which his performance has been impressive so far.

During the fourth semester of his academic programme, he has contributed to industrial research at the MRI facility in SAMEER, IIT Bombay, with which I am associated. He implemented a modified version of the GRAPPA algorithm for image reconstruction on the ZYBO board, which is a crucial algorithm used in parallel MRI. For this contribution, he has been awarded the Undergraduate Research Award-1 (URA-01) in his academic programme, which also finds a mention in his transcript.

I have interacted closely with him in the past year. He has worked as a part of my Research Group, contributing to the work that we are doing, in the area of radar signal processing. He has made important contributions to my Research group. He has been involved with our work on radar signal processing, through the Generalized Time-Frequency transform (GTFT). He is a co-author with me in two research papers. One has been accepted and presented at the National Conference on Communication (NCC-2020) this year. The second is currently accepted, subject to minor revisions, in the reputed journal: "Circuits, Systems, and Signal Processing".

In the summer of 2019, he has helped me in the smooth conduct of a workshop under the Technical Education Quality Improvement Programme (TEQIP), which is a national initiative of the government, aimed at improving the quality of technical education in several institutions of the country.

Based on all my observations as above, I would make the following remarks about this applicant/ candidate in the general spheres of personal qualities outlined:

- *General intelligence, keenness of intellect*: Provides out of the box solutions. In one instance where intensively mathematical solutions were thought of by other co-authors,

he proposed a simple yet effective technique to carry out an error analysis of a parameter estimation technique. He is always keen to listen to others' approaches and also tries to build upon them.

- *Enthusiasm, energy*: He is ever enthusiastic to take up newer challenging problems and always ready to give his best at all times.

- *Perseverance and dedication*: He has demonstrated persistence, even when he was not getting results during his research work. His only incentive to work is to always learn something new out of it and he carries out tasks assigned to him with unflinching dedication and commitment.

- *Emotional maturity*: A very honest, ethical, truthful and helpful young man. He knows his responsibilities and fulfils them reliably.

- *Any other noteworthy quality*: Quick learner. Starts slow but evolves very quickly with time.

-*Communication skills and command over language*: He has a very good command over the English language and can communicate ideas effectively.

All-in-all, my recommendation for this candidate/ applicant is very strong and enthusiastic. It is recommended that he be considered favourably for a programme of graduate study with financial aid, as available and/ or for any professional opportunity in which he meets the requirements of eligibility per se.

7 March 2020.

Vikram M. Gadre
(Dr. Vikram M. Gadre, Professor, Department of Electrical Engineering, IIT Bombay, Powai, Mumbai – 400 076, India
Email address: vmgadre@ee.iitb.ac.in).