

**Student engagement in quality assurance - Case study 2**  
**Degree programme: Master of Cellular and Molecular Immunology – 2020 intake**

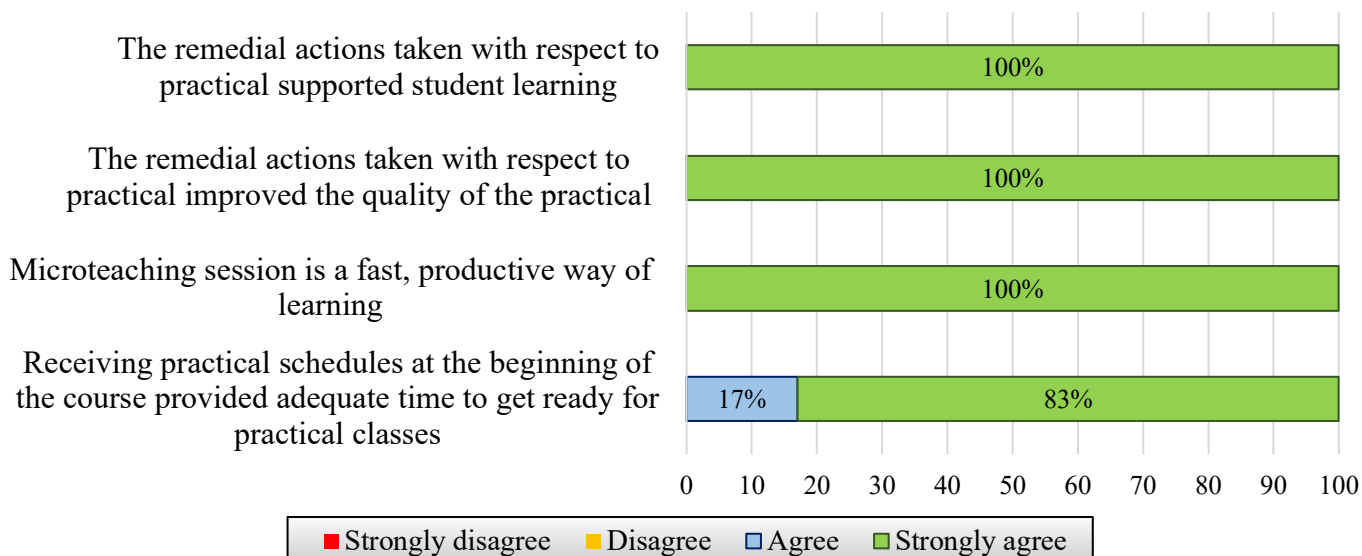
**Areas for improvement in the curriculum as perceived by students:**

1. Practical schedules are given on the day of the practical therefore no opportunity for self-studies and preparatory work.
2. Opportunity to get hands-on experience in practical classes was inadequate.
3. Practical reports were submitted for marking only at the end of the semester limiting the room for obtaining effective feedback.
4. Majority of the students were not able to answer all the questions at the practical examination due to the difficulties in managing work during limited time

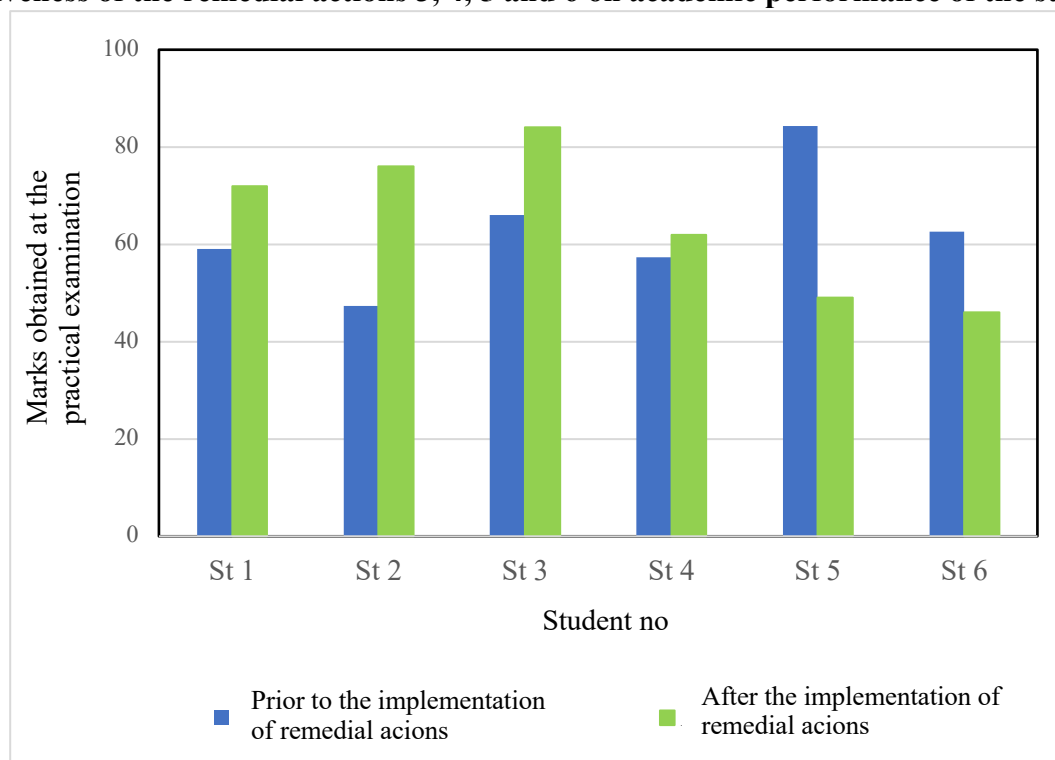
**Remedial Actions taken during the 2<sup>nd</sup> semester:**

1. Practical schedules were provided at the beginning of the semester. Microteaching sessions were introduced and were conducted on the day before the practical class. Students were instructed to write the introduction, objectives, methodology and calculations in the record books before coming to the next day practical class.
2. As students attended the practical classes with familiarized protocols and pre-prepared, adequate time was available for them to obtain hands on experience.
3. Practical reports were collected every week within a week from the particular practical class. Reports were marked promptly and feedback was provided weekly.
4. Students were encouraged to manually record the practical in record books during the laboratory sessions instead of typewriting the reports after the practical class. Recording the results and analyzing results were done while conducting the practical. This was intended for students to practice effective managing of time and recording them within a stipulated time.

**Student Feedback for Remedial Action 3, 4, 5 and 6**



## Effectiveness of the remedial actions 3, 4, 5 and 6 on academic performance of the students



### Additional comments were received from students:

#### Student comment1:

Submitting manual reports helped me to understand the whole practical well and it was a nice exercise as I had to recall everything and write them myself. I had a better grasp of the experiment as I paid close attention. Mr James's allowed us to do everything by ourselves rather than observing so we were able to get better hand on practice and make our report more enriched. Plotting graphs also helped me to analyze and interpret the results better and I clarified many doubts which I wouldn't have if I'd just done it in excel. I realized the importance of certain parameters when plotting the graph and the areas I should pay close attention to,

I'd like to appreciate Dr Narmada's initiative with the change and such tremendous effort she put in to it by constantly taking our feedbacks as well. Everything was thoroughly organized and made the learning experience so much better for us so thank you very much Dr Narmada <3 I would definitely recommend the current method to be conducted in the next semester as well.

However, a small suggestion, if the student is unable to come to the institute to submit the report, having an e-portal to submit the scanned document would be much helpful in the future

#### Student comment2:

Plotting the graph manually made me competent enough to plot the graphs and I was able to correct my mistakes and handwritten practical reports are beneficial as it's easy to study during exams and is useful to go back and get our doubts clarified rather than using the soft copy format.