

National-level Survey on the status of the Laboratory based Physics Education



Dr. D. P. KHANDELWAL - Founder of IAPT
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Birth Centenary Year (01.10.2020 - 01.10.2021)

Introduction

We are in the midst of celebrating the birth centenary of the Founder of *IAPT* and Great Educationist *Dr D P Khandelwal*. *IAPT* through *Dr D P Khandelwal Birth Centenary Celebration Committee (DPKBCCC)* has been taking up some programmes in this regard. Dr Khandelwal's principal motif in all his activities was the betterment of lab based physics education leading to a better society. He devoted his entire academic life for this purpose. Beside main stream physics research, he remained busy in physics education research also. The outcome of this endeavour was his book: *A Laboratory Manual of Physics* (For Undergraduate Classes) his experiments in Centre for Development of Physics Education in Rajasthan University etc. Dr Khandelwal believed that health of lab based education was not conducive for better science education. All of us also experience that all the time.

But belief and experience are not all. If we want to convince the proper authorities of education and suggest appropriate corrective measures to arrest the worsening of the lab based education, then we need hard data and their analyses. For these reasons prevailing DPKBCCC decided to undertake a survey for a better understanding of the present scenarios in the domain of lab based physics education. In fact, Dr T Ananthkrishnan had initiated such survey works as early as in 1994, when Dr Khandelwal was alive.

In this back ground, the DPKBCCC decided to exercise this Survey both at +2 and UG levels.

Two separate questionnaires are prepared at +2 level (i) for the +2 students and another (ii) for the +2 Physics teachers. Similarly two questionnaires have also been prepared for UG level. BSc students in (III-VI semester) who passed +2 Examination with physics will answer the questionnaire for +2 students. But only the current PG physics students can join the survey at UG level.





The responses, including the identity of the responders are strictly **confidential**; these will be used only for ascertaining the correct situations in the realm of physics education, and not for any other purposes.

The Survey will be conducted at the RC level in online mode. Each RC is requested to suggest one *IAPT* member, an RC Level Survey Coordinator to keep contact with the National Level Survey Editor. Dr K S Mann would be acting as the Survey Editor and Prof. R Ghorpade as the Co-editor.

Objective

The primary aim and objective of the survey is to uplift the lab-based physics education in our country.

Details of the Questionnaires

Category	Target Group	Links of Google Form	QR-Code
For +2 level study			
Students	UG- Level Students (Sem. III-VI)	https://bit.ly/DPK_S_HS_Stu	
Teachers	Science-Teachers in Physics (Schools)	https://bit.ly/DPK_S_HS_T	
For UG level study			
Students	PG- Level Students (Sem. I-IV)	https://bit.ly/DPK_S_UG_Stu	
Teachers	Teachers/Professors of Physics (College/University)	https://bit.ly/DPK_S_UG_T	

NOTE: THIS FORM HAS BEEN DESIGNED TO COLLECT ONLY ONE RESPONSE PER PERSON. Respondents will be required to sign in to Google (Gmail-Account).

It is certified that your identity will not be disclosed. This survey is for the improvement of Physics Education in our country.

If the above mentioned links have any problem, only then use this link: https://bit.ly/SURVEY_IAPT

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