



GOVERNMENT OF WEST BENGAL  
OFFICE OF THE PRINCIPAL  
*Maulana Azad College*



8, RAFI AHMED KIDWAI ROAD, KOLKATA 700013, INDIA  
Phone: 033 2249-3737/2226-7814 e-mail: maulanaazadcollegekolkata@gmail.com  
Website: <https://maulanaazadcollegekolkata.ac.in>

---

## **Best Practice II:**

### **Title of the Practice**

## **Student Profile Mapping**

### **Objectives**

Maulana Azad College has always been student-oriented in its approach towards teaching-learning. Student Profile Mapping can come in handy in such a scenario by offering a personalized strategy while imparting education. The aim of this practice is to determine the abilities of students in an objective and quantifiable manner. Utilizing software available in recent times to create student profile report constitutes the underlying principle or concept of this practice. Its intended outcome is to provide an individualized approach to students in order to cater to their distinct needs in the classroom and beyond.

### **The Context**

Maulana Azad College has a student populace which is highly heterogeneous in nature, be it in terms of linguistic, socioeconomic, regional or cultural aspects. Therefore, it is imperative that some initiatives are taken to address this plurality during the teaching-learning process. Students often face diverse challenges with respect to their skill attributes: some may belong to socioeconomically backward families and have access to limited resources; some may be intellectually bright or slow irrespective of their socioeconomic status; others may have different skills, emotions and behaviour. A systematic assessment of these attributes of the students may help in providing an insight into their strengths and weaknesses. As such, it is in the interests of the students if a system is formulated to map their profiles and suitable measures taken on the basis of those reports.



GOVERNMENT OF WEST BENGAL  
OFFICE OF THE PRINCIPAL  
*Maulana Azad College*



8, RAFI AHMED KIDWAI ROAD, KOLKATA 700013, INDIA  
Phone: 033 2249-3737/2226-7814 e-mail: maulanaazadcollegekolkata@gmail.com  
Website: <https://maulanaazadcollegekolkata.ac.in>

## The Practice

Maulana Azad College carries out this practice online through its website so that the students can answer the questionnaire at their own convenience, at the click of a mouse or tapping of fingers on the screen of the mobile or tablet, even from the comfort of their homes.

- A portal has been created specifically for this purpose in the website where students need to login with their University Registration Number, and thereafter answer an online questionnaire. The questions here have been framed with an eye to determining the individual characteristics and aptitude of the students. Most of these questions are information-based, for instance whether the student lives in his/her own house, has a computer or laptop, the family owns a two-wheeler or four-wheeler, has electricity connection, cable connection, sanitation/toilet, newspaper subscription, educational standard of father and mother, ATM Card usage, Life Insurance, Bank and/or Post Office account, mother owning mobile, family going for a trip or excursion once in 5 years, etc. At the same time, there are some questions which elicit the views, opinions and judgements of the students in hypothetical situations instead of asking for mere facts and figures.
- The next step involves scores on 'General Quotient (gQ)' and 'Empowerment Quotient (mQ)' which are calculated according to a well-defined formula on the basis of the answers provided by the responding students. While developing the software required to calculate these quotients, due care has been taken to assess individual nuances of their responses. The General Quotient (gQ) comprises Academic Score, Intelligence Score and Knowledge Score. On the other hand, the Empowerment Quotient (mQ) assesses different types of abilities of the students. The report gives us the propensity of the students to use tools (mainly ICT), to communicate (with teachers and fellow students), and to think. The mechanism of mapping of such student profiles also includes a comparison of the particular student with his/her peer group. Finally, a weighted average of gQ and mQ gives the final score, which represents the capability of



GOVERNMENT OF WEST BENGAL  
OFFICE OF THE PRINCIPAL  
*Maulana Azad College*



8, RAFI AHMED KIDWAI ROAD, KOLKATA 700013, INDIA  
Phone: 033 2249-3737/2226-7814 e-mail: maulanaazadcollegekolkata@gmail.com  
Website: <https://maulanaazadcollegekolkata.ac.in>

---

the student.

- Once the scores are received, they are tallied with the performance of students in class tests and internal examinations conducted by the college as well as external examinations held under the aegis of the affiliating university. The responses of students in the classroom is also considered in course of this exercise. A cumulative appraisal of all these components helps the departments in identifying the slow and advanced learners. Such a step can be beneficial in offering appropriate support to the students by the faculty members as well as the college.

### **Evidence of success**

- This practice of mapping student profiles and creating reports based on their responses with the help of a software is a major leap taken by the college. This is because manual method of psychometric test or profile mapping is complex and time consuming, whereas the online mapping is fast, accurate and error-free.
- Marks obtained in class/internal/university exams are not always reflective of the students' ability; external factors may affect their time spent on studies, understanding of the subject and answer writing skills. However, online mapping appraises their innate capabilities. This profile mapping exercise, therefore, enables the college to hone the students' strengths and overcome their weaknesses.
- Often, teachers depend on students' class performance or behaviour to gauge their level of knowledge or aptitude. However, this method is suitable only for extrovert students who are articulate in the classroom and promptly answer the questions asked by the faculty members. Online mapping is equally effective for shy and introvert students who may not always respond or interact inside the classroom.
- The teachers aver that their assessment about the students matches with the profile mapping results, which confirms the authenticity of the mapping mechanism and bears testimony to its success as an effective system.



GOVERNMENT OF WEST BENGAL  
OFFICE OF THE PRINCIPAL  
*Maulana Azad College*



8, RAFI AHMED KIDWAI ROAD, KOLKATA 700013, INDIA  
Phone: 033 2249-3737/2226-7814 e-mail: maulanaazadcollegekolkata@gmail.com  
Website: <https://maulanaazadcollegekolkata.ac.in>

---

### **Problems Encountered and Resources Required**

- One of the problems encountered while carrying out the process of student profile mapping pertains to acquainting the student with this exercise. They cannot always fathom the benefits of this mechanism.
- Some faculty members are also not very tech-savvy, hence they may face some issues while generating the report and/or interpreting it.
- The students, particularly those from poor families, have limited access to stable data connection.
- Often the students are unable to understand the questions, and so need the guidance of teachers for answering the questionnaire.
- A few questions that are asked may seem to be too probing to some students or their parents. Deeming such questions to be dealing with personal or financial matters, they may have some hesitation in answering them.
- The resources required are competent software developers to implement the entire idea of online profile mapping along with adequate computer infrastructure.

### **Notes (Optional)**

The practice of mapping students based on their profiles created from their responses to a set of questions can facilitate a better understanding of their aptitude and enable a more personalised approach to students while imparting education in this modern age. It can be emulated by other institutions in order to offer a customised strategy for the teaching-learning process.