

NAAC MADE EASY: A Simple and Easy Preparation

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Abstract:

India has one of the largest and diverse education systems in the world. In India maintaining quality of education is a major issue. For that UGC had its autonomous institution called National Assessment and Accreditation Council (NAAC) which will evaluate the quality of the institution. To encourage self-evaluation, accountability, autonomy and innovations in higher education institutions NAAC has various criteria to evolve the quality of an institution. Till yet we don't have proper platform to integrate these criteria. Dealing with NAAC data is too difficult because it is huge and it doesn't have proper format for all institutions. For that we are developed software prototype which contains complete details about NAAC. Here we are collecting, storing and displaying the necessary data of NAAC assessment and accreditation from the various sources. And also, we are providing information in downloadable format in which the NAAC is asking during the online evaluation. Our software prototype is very helpful for collecting and assessment of data which is not integrated till yet.

Keywords: NAAC, reports, quality, institution, university, software, prototype.

1. INTRODUCTION

NAAC is an autonomous instituting established by the UGC in 1994. The prime agenda of NAAC is to assess and accredit institutions of higher learning with all objective of helping them to work continuously to improve the quality of education. NAAC is a member of the International Network for Quality Assurance Agencies in Higher Education comprising of over 120 different national agencies engaged in Assessment, Accreditation and Academic Audit.

Criteria for Assessment:

- (1) Curricular Aspects
- (2) Teaching learning and Evaluation
- (3) Research consultancy and Extension.
- (4) Infrastructure and learning Resources.
- (5) Student support and progression.
- (6) Organization and management.
- (7) Healthy Practices

These are all the Criteria for assessment of the quality of an institution. We have to collect these data from various sources. Collecting and evaluating of these criteria is too difficult and representation of this in unstructured data in structured manner is also is a huge task. So in our project we are overcome these existing drawbacks.

The Principal can access the list of universities and the colleges and also the umbrella websites. The Principal can also access some of the important websites like RUSA, NAAC, and MHRD etc.

2. LITERATURE SURVEY

India has one of the largest and diverse education systems in the world. In India maintaining quality of education is a major issue. For that UGC had its autonomous institution called National Assessment and Accreditation Council (NAAC) which will evolve the quality of the institution. To encourage self-evaluation, accountability, autonomy and innovations in higher education institutions NAAC has various criteria to evolve the quality of an institution. Till yet we don't have proper platform to integrate these criteria. Dealing with NAAC data is too difficult because it is huge and it doesn't have proper format for all institutions. Now all the HEIs are preparing the NAAC data manually and giving the same to the IQAC/NAAC coordinators which is having lots of disadvantages which are mentioned below.

- IQAC/NAAC coordinators need to collect the data from the faculty, office, library and administration for the preparation. During the process lots of communication gap is happening.
- Lots of manual work is needed to prepare the data
- Number of meetings to be conducted to get the update of the preparation
- IQAC/NAAC coordinator alone needs to verify all the data and get back to the concerned faculty if something goes wrong. As a result preparation is taking lot of time.
- There is no flexibility in terms of preparation of data.
- Lots of paper work is needed to prepare/correct the data for the same
- There is no monitoring system as of now for this existing system

3. PROPOSED METHOD

Proposed system will overcome the drawback of existing manual entry, which will reduce the data redundancy in collection and presentation of NAAC data. In our proposed module user can easily store and present the data in well-structured manner.

3.1 Advantages of NAAC software prototype

- A lot of time is saved using this model as it is having multiple login system for each faculty to enter their own data instead of giving the same to the IQAC coordinator.
- Multiple login system of this proposed model also allows the faculty to enter the data easily in the form of "data entry".
- Since the faculty can upload the NAAC data anytime parallelly, the proposed model saves lots of time and also gives flexibility to the faculty to work with.
- Lots of paper work can also be reduced because of this software prototype, hence contributes to the "green earth".
- It is very easy for both head of the institution/university to monitor the data of the NAAC entered by the various faculties under their own login system with graphical dashboard.

- Since the outputs of the data entered are produced in an excel formats that too in a template in which the NAAC is asking, the task of the IQAC coordinator will become easier and simple.
- The head of the institution and the IQAC (Internal Quality Assurance Cell) coordinator can view and generate the reports of the college.
- Both IQAC coordinator and head of the institution/university can access and change various information about the college using this method.

Other technical advantages of the proposed prototype are as follows.

- Helps the institutions to know strengths, weaknesses, opportunities through an informed review.
- Identifies internal areas of planning and resource allocations.
- Enhances Collegiality on the campus.
- The outcome of the process provides the funding agencies with objectives and systematic database for performance funding.
- Initiates institution into innovative and modern methods of pedagogy.
- Given the institution a new sense of direction and identity.
- Provides the society with reliable information on the quality of education offered by the institution.
- Employers have access to information on standards in recruitment.
- Promotes intra-institutional and inter-institutional interactions.

3.2 Implementation

The data flow diagram of the proposed method is shown in below figure.



Figure 1: Data Flow Diagram

Here entering the data is first step and after entering the data it will store in database. After storing the data in database, we are processing the data according to our need and we print it on the screen finally user can download the report in a structured manner. The entity-relationship diagram of the proposed model is shown as below.

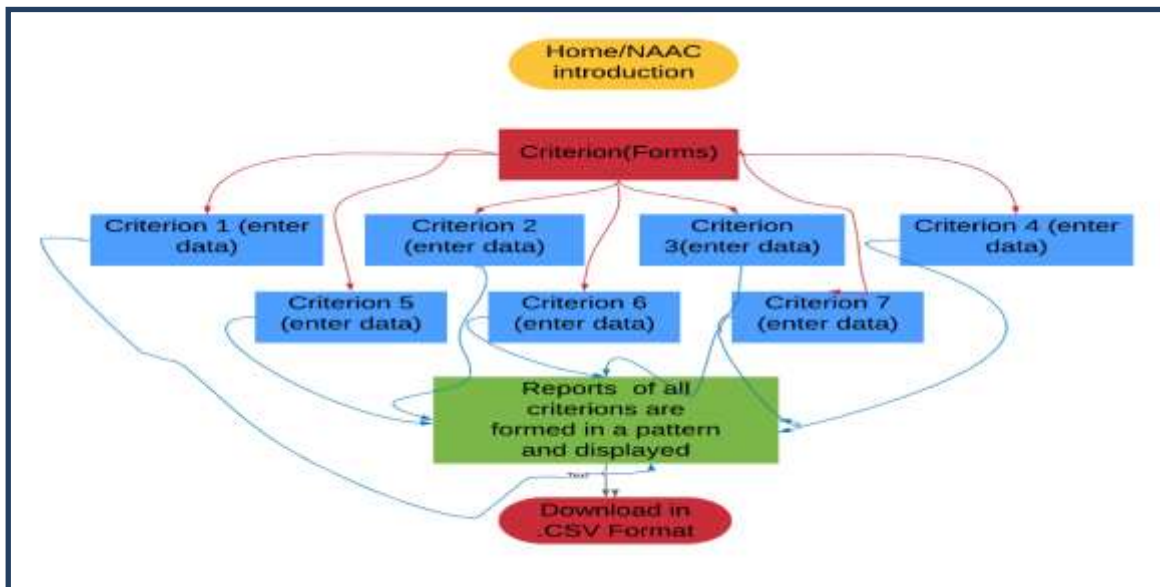


Figure 2: Entity-Relationship Model

3.3 Result

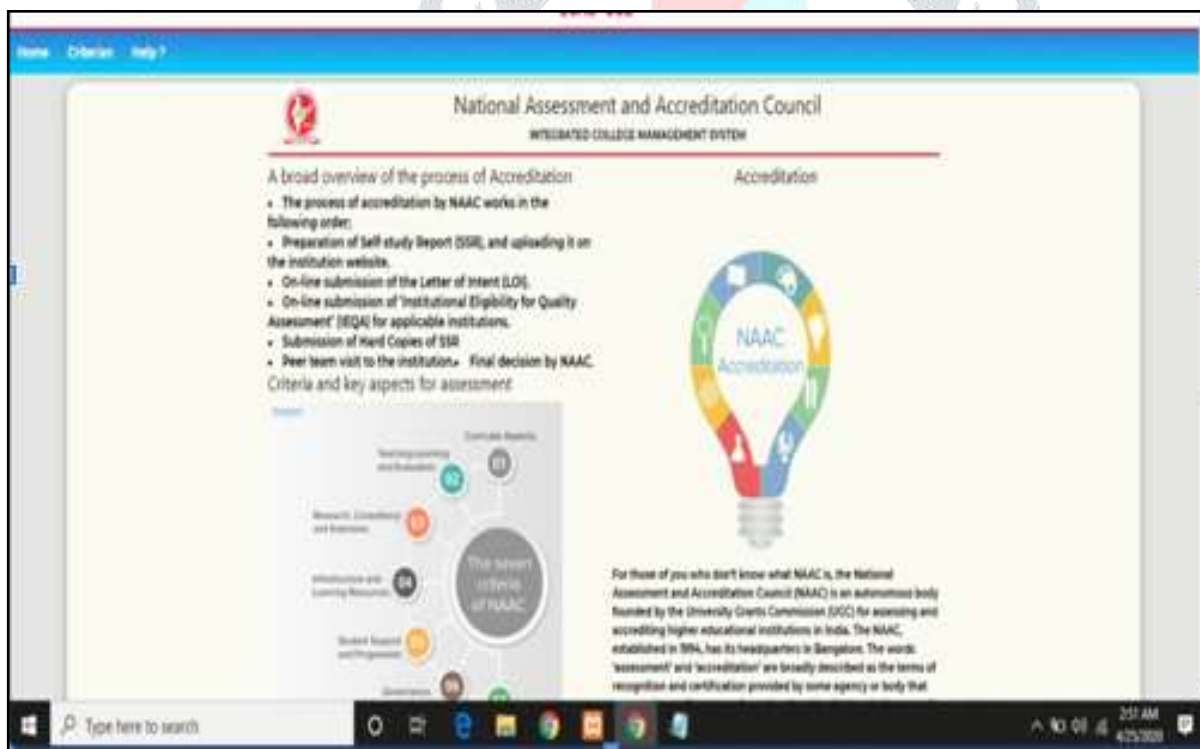
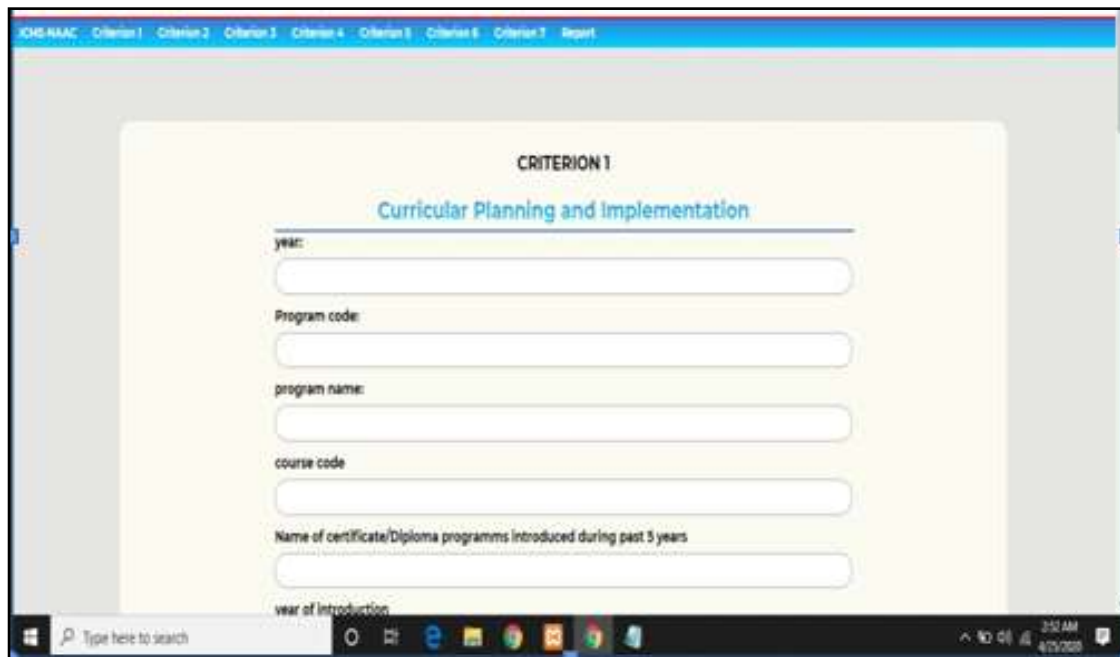


Figure 3: Home page of the proposed software model



The screenshot shows a web application interface for data entry. At the top, there is a navigation bar with links for 'Home', 'Criterion 1', 'Criterion 2', 'Criterion 3', 'Criterion 4', 'Criterion 5', 'Criterion 6', 'Criterion 7', and 'Report'. The main content area is titled 'CRITERION 1' and 'Curricular Planning and Implementation'. Below this, there are several input fields: 'year:', 'Program code:', 'program name:', 'course code', and 'Name of certificate/Diploma programs introduced during past 5 years'. A 'year of introduction' field is partially visible at the bottom. The interface is displayed on a Windows desktop environment.

Figure 4: Entering of the data using the proposed software model

3.4 Report page

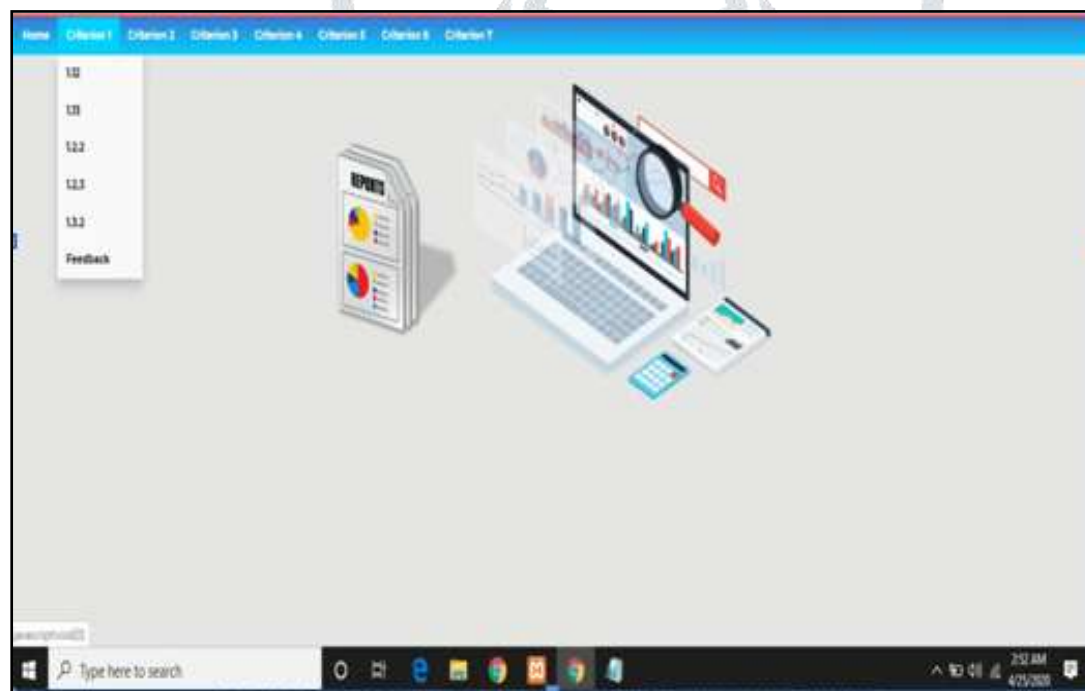


Figure 5: Reports of the proposed software model

4. CONCLUSION

Dealing with NAAC data is too difficult because it is huge and it doesn't have proper format for all institutions. For that we are developed software prototype which contains complete details about NAAC. Here we are collecting, storing and displaying the necessary data of NAAC assessment and accreditation from the various sources. And also, we are providing information in downloadable format in which the NAAC is asking during

the online evaluation. Our software prototype is very helpful for collecting and assessment of data which can be implemented to all HEIs autonomous, private institutes, Govt. Colleges, Polytechnic colleges and universities also.

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