

OVERVIEW

Client : Technical Examination Board, Govt. of Gujarat..

Business Sector : Education, Government Organization

Client Profile : Board is involved in formulate curricula, conducting Exam, Result processing of All Polytechnics of Gujarat.

Technology : Microsoft .NET, SQL Server
ABBY ICR Form Processing

Platform : Windows

INTRODUCTION

The Technical Examination Board (TEB), funded and administered by the State Government of Gujarat, is to-

Design, formulate implementation strategies and evaluate the curricula for certificate, diploma, advanced diploma and post diploma program in engineering, technology, and social uplifting areas stipulated as per Government rules and regulations and All India Council for Technical Education norms

TEB Plan, organize, monitor and control the examinations, evaluation and award certificate to the students admitted as per State Government Rules in various modes at affiliated Government, Self Finance, and Grant In Aid institutes in the academic program approved by State Government & All India Council for Technical Education for the above levels.

TEB Design and develop teaching-learning aids and recourses. Undertake community upliftment program being run at affiliated Government, Self-finance and Grant-in-aid institutes.



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AUTOMATION OF TECHNICAL EXAMINATION BOARD.

Govt. of
Gujarat

THE PROBLEM

ALL THE INSTITUTES HAS TO FOLLOW THE RULES AND REGULATIONS OF TEB DURING THE PROCESS OF STUDENT REGISTRATION, MANUALLY IT IS NOT TAKEN CARE OF.

Board has to get all registered student's data every semester for conducting exams & result processing from all the institutes running programs. Till now they were using programs for student registration, which is not following path & structure designed by board. Secondly the rules & regulation defined by TEB is to be followed at time of registration, these rules & regulations are very complex. In current system these rules are not taken care of.

Also after registration they have to conduct exams. Paper setting, Examiner assignment & no. of students appearing exams are complex analysis. Which they are doing manually.

After getting examined mark sheet, they have to enter data for result processing. Then they have to verify. Which takes huge time to enter so much data & to verify? So result declaration is getting late. Also there is a chance of wrong result as it is entered manually.

SOLUTION

As an effort to overcome above mentioned problems, TEB has decided to go for Integrated Information Technology Solution. Solution has been conceptualized to provide single integrated solution to department which can help in to better management of activities and functions performed by various locations.

Looking to the different aspects of business process, requirements of board and availability of existing IT infrastructure, We have given integrated hardware & software solution which covers and integrates functionality of different polytechnics & branches of TEB which includes Head Office, various Polytechnics , Govt. Institutes running tailoring & other courses located in various districts of Gujarat. These branches will connected by Gujarat Statewide, Wide Area Network (GSWAN).

Currently they are exchanging data thru Internet.

We have provided hardware & software solution. From our software all institutes & polytechnics enters registration data which is fully synchronized with defined path & structure of TEB and also binded with rules to be followed at time of registration. Then these data are collected at TEB - Head Office. For Result processing we have provided ICR solution. For these we have designed blank mark sheet & provided high speed scanner for scanning the mark sheet, which in turn eliminate manual data entry & avoid human errors. Also we have provided Web link to the result data. So that student / institute can see their registration detail or result detail on web.

BENEFITS

With the help of IITS-TEB, Technical Examination Board is able to achieve following benefits:

- ✓ Complete data integrity has been achieved as IITS-TEB is integrated common solution for all locations and offices including head office which share common data.
- ✓ Better productivity has been achieved as lots of duplication of work can be removed and routine reports and registers can be generated using the system.
- ✓ Integration between various branches and locations with reusability of common data.
- ✓ Result Processing has become faster and error free due to ICR Technology.
- ✓ MIS / EIS reports are easily available at great speed and with all the accuracy.
- ✓ Considerable cost cutting has been achieved as activities and records are monitored and managed better.
- ✓ Transparency of information across all offices at various levels.

About Semaphore

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Semaphore Infotech is offers solutions that not only automate the current practice, but also provide an edge in dealing with the changing situations to our customer by offering various services like, Software Development, System Integration, Internet and Intranet solutions, Web Development Services, Software distribution, off-shore development and consultancy. 'QUALITY' is not a differentiation, but a pre-requisite with us. We believe that if we have to work professionally to benefit each other then we have to build a relationship first with our clients.