

eITIs: Standardizing Industrial Training Institutes in Punjab

Due to ever increasing demand for skilled manpower, large scale establishment of the Industrial Training Institutes (ITIs) is taking place both in public as well as in private sectors. At the same time, there is a need to regularly monitor the infrastructure, results, faculty, trainees etc. of these ITIs to enhance their quality and deliverance.

Government of India has come out with a standard performance, which is to be used by each ITI for reporting as well as for maintaining its own website. This will facilitate the concerned department to keep a tap on the quality of the institutes. Moreover, information regarding courses offered, seats available under various schemes and criteria, admission process etc. can be easily accessed by the common masses. eITI initiative has been started to remove all the roadblocks faced by ITIs in developing and maintaining their websites.



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As per the directives of Government of India, many ITIs got their websites developed and hosted. However, these websites are plagued with multiple problems. Some of these are:

1. The website developed was rarely updated with the latest information about the ITI.
2. These websites are developed in a non-standardized way where information culling and meaningful Management Information System were not possible.
3. The website hosts static information and query based display of information was not possible.
4. Due to development of the website from the private vendors, expenses were incurred for the development of the website and its hosting. Any

updates desired by the ITI once the website is hosted, used to put extra burden on the ITI in terms of funds required.

To overcome above mentioned challenges and also to provide facility of instantaneous website development and hosting to each ITI, NIC Punjab has developed a portal which helps the Department of Technical Education and Industrial Training, Punjab to succulently manage its information and also assists in monitoring the progress of all ITIs in a cohesive and coordinated manner. Additionally, the ITIs are able to make their presence felt in technical education by hosting information related to various aspects like courses available, faculty, students, placement etc. on their respective websites. Some of the other benefits incurred are as follows:

- Information is fed in uniform and standardized manner thereby offering facility to maneuver the information





Launch of eITI

for planning and monitoring in a better way.

- The quality of ITI, infrastructure, trades and seats under each trade being taught at ITI can be seen online by using query parameters.
- Various query based and analytical MIS reports are made available to the department which helps it to monitor the progress of ITIs and exercise proper control on them.

ABOUT eITIs

The portal <http://punjabitis.gov.in> is designed and developed in such a way that not only does it help the Department of Technical Education and Industrial Training, Punjab to manage the site itself but also facilitates the ITIs to manage their own websites and keep them up-to-date. The content management features of the portal keep it updated without any dependence on the website administrator. The success of the portal developed can be gauged from the fact that within the short span of 6 months, after its inauguration and launch by the Hon'ble Minister of Technical Education and Industrial Training, the site has received around 4.50 lakhs hits.

The eITI portal comes with the following interfaces:

- **Interface for Department of Technical Education & Industrial Training** - This is the home page of the department where the important information about department, schemes, admission/counselling, RTI, results, citizen charter, download forms, important related links etc. is made available.
- **Entry Module for ITIs** - This interface known as Standardized Access Automated Module (SAAM) is available to authorized users of concerned ITI for entry of details related to Performa prescribed by GoI and improvised by the Department of Technical Education and Industrial Training, Punjab. Since the information related to the ITIs changes over time, this interface helps the ITI concerned to keep the information updated without being dependant on anyone.
- **Interface for eITI Site Administrator of Department** - Using this interface, Site administrator/Nodal Officer of the Directorate at state level is able to add/update the master information, upload photographs, news, messages, create login ids for the ITIs etc.

- **Website for ITI** - Whatever information is entered by ITI, the same is displayed immediately on the website of the concerned ITI.

HIGHLIGHTS OF eITIs

- Totally dynamic, work flow based, role based application with single interface for access providing real time updates
- Developed in accordance to the GoI guidelines on the website development
- Utilizes automated standard calculations wherever necessary so as to minimize the data entry operations
- Usage of a standard generic codification scheme related to schemes, trades, sectors, categories and modules which can be updated as and when necessitated
- Three-tier security viz. at OS, database and application level
- Google Maps for location, direction and graphical analysis for better monitoring

ROAD AHEAD

- Provision for bilingual interface for displaying information in local language
- Introduction of another layer of authentication in terms of Digital Signature Certificates
- Integration of data with other similar services available and computerized
- Providing Job portal for industry and ITIs to make available jobs to the pass out candidates

For further information:

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