

**NAME OF CATEGORY- OUTSTANDING E-GOVERNANCE INITIATIVE BY
ACADEMIC AND RESEARCH INSTITUTIONS**

1.Coverage - Geographical and Demographic

a) *Comprehensiveness of reach of delivery centres*

b) *Number of delivery centres* : 01

c) *Geographical*

i) *National level - Number of State covered* : 00

ii) *State/UT level - Number of District covered* : 01

iii) *District level- Number of Blocks covered* : 01

Please give specific details:-

d) *Demographic spread (percentage of population covered)*

There are 572 islands in the territory having an area of 8,249 km² (3,185 sq mi). Of these, about 34 are permanently inhabited. The islands extend from 6° to 14° North latitudes and from 92° to 94° East longitudes. The Andamans are separated from the Nicobar group by a channel (the Ten Degree Channel) some 150 km (93 mi) wide. The highest point is located in North Andaman Island (Saddle Peak at 732 m (2,402 ft)). The Andaman group has 325 islands which cover an area of 6,170 km² (2,382 sq mi) while the Nicobar group has only 24 islands with an area of 1,765 km² (681 sq mi).

The capital of the union territory, Port Blair, is located 1,255 km (780 mi) from Kolkata, 1,200 km (750 mi) from Visakhapatnam and 1,190 km (740 mi) from Chennai. The northernmost point of the Andaman and Nicobars group is 901 km (560 mi) away from the mouth of the Hooghly River and 190 km (120 mi) from Burma. Indira Point at 6°45'10"N and 93°49'36"E at the southern tip of the southernmost island, Great Nicobar, is the southernmost point of India and lies only 150 km (93 mi) from Sumatra in Indonesia.

As of 2011 Census of India, the population of the Union Territory of Andaman and Nicobar Islands was 379,944, of which 202,330 (53.25%) were male and

177,614 (46.75) were female. The sex ratio was 878 females per 1,000 males. Only 10% of the population lived in Nicobar Islands.

The areas and populations (at the 2001 and 2011 Censuses) of the three districts are:

Name	Area (km ²)	Population Census 2001	Population Census 2011	Capital
Nicobar Islands	1,841	42,068	36,842	Car Nicobar
North and Middle Andaman	3,736	105,613	105,597	Mayabunder
South Andaman	2,672	208,471	238,142	Port Blair
Total	8,249	356,152	380,581	

Bengali is the dominant language and most spoken language in the Andaman-Nicobar Islands with 25.71% of the population speaking Bengali, the other major languages spoken in the Andaman & Nicobar Islands are Hindi (18.23%), Tamil (17.68%), Telugu (12.81%), Malayalam (8.11%) and Nicobarese (8.04%) according to 2001 Census of India. Other minor spoken languages are Kurukh/Oraon, Munda and Kharia. Andaman Creole Hindi is widely used as a trade language in the Andamans. Presently there remain only approximately 400–450 indigenous Andamanese in the Andaman Islands, the **Jarawa** and **Sentinelese** in particular maintaining a steadfast independence and refusing most attempts at contact. In the Nicobar islands, the indigenous people are the Nicobarese, or Nicobari, living throughout many of the islands; and the **Shompen**, restricted to the hinterland of Great Nicobar. More than 2,000 people belonging to the **Karen** tribe live in the Mayabunder Tehsil of North Andaman district, almost all of whom are Christians. Despite their tribal origins, the Karen of Andamans has Other Backward Class (OBC) status in the Andamans. The majority of schools and educational institutions are available in Bengali language on the islands, Tamil and Telugu languages are also used in few

institutions. Hindi is never used despite its being one of the official languages of the islands, with English.

The majority of people of the Andaman and Nicobar Islands are Hindus, with significant Christian population consisting 21.7% of the total population of the Union Territory according to the 2011 census of India. Small but significant Muslim and Sikh minorities also exist on the islands.

2. Situation before the Initiative (Bottlenecks, Challenges, constraints etc with specific details as to what triggered the Organization to conceptualize this project)

Before the Student Information System (SIS) was implemented, the entire process of handling student information in the institutes/schools was manual and faced a host of major challenges like:

- Lot of time required for managing the information of the students.*
- Difficulty in creating reports*
- Time consuming students/staff result analysis*
- Difficulties in managing the academic details viz. Admission, Pass-out, Fees Collection, Subject Registration, Attendance, Marks etc.,*
- Preparation of defaulter list*
- Preparation of certificates viz. Transfer, Duration, Bonafide, Exam Appearance, Character & Conduct etc.*
- Communication gap between parents/guardian and the schools/institutions regarding the performance/attendance/discipline related issues related to their ward*
- Analyze the performance of individual student as compared to whole class or the whole institute/school based on marks-Relative marking which could enable the schools to make a list of meritorious students and felicitate them*

3.Scope of Services/ Activities Covered (Relevance of application for end users/citizens, extent of e-enablement in terms of number of services/activities extent to which step in each service/activity have been ICT-enabled #)

The new SIS system has introduced the following advanced features in the overall student information management e.g.:

- *Introduction of a common database of student for easy & swift tracking of performance and taking corrective actions*
- *Redundancy avoided through duplication check*
- *Class Wise subject Registration of Students*
- *Term and Exam Fees Collection*
- *Subject wise Attendance Module*
- *Marks Module for internal as well as external examination*
- *Root cause analysis for poor result in any subject*
- *MIS for monitoring students performance/improvement*

4. Strategy Adopted

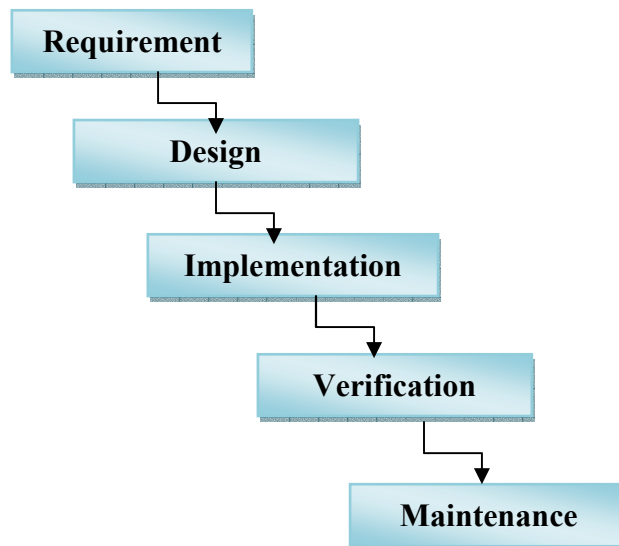
a) The details of base line study done

One of the most important tasks in creating a comprehensive software product of the likes of Student Information System (SIS) is extracting the requirements or performing the detailed requirements analysis exercise. End User typically have an abstract idea of what they want as an end result, but not what software should do. Incomplete, ambiguous, or even contradictory requirements are recognized by skilled and experienced software engineers at this point. Frequently demonstrating live code in the form of POC (Proof of Concept) may help reduce the risk that the requirements are incorrect.

Once the general requirements are gathered from the client, an analysis of the scope of the development should be determined and clearly stated.

b) Problems identified: *The real problem lies in the software that was existing earlier for handling the Student Information System. The previous software was windows based i.e., there was no facility to enter or view the information online and the data was also not in a centralized form. To overcome this, now the software was developed in ASP.Net as a Front End and SQL Server as a Back End to overcome the limitation of the existing software. All the processes related to student information management were performed through a window-based system which was not only time consuming due to the lack of proper communication between the different departments but was inefficient. So through this new web-based package, it has become more transparent and secure.*

c) Roll out/implementation model



d) Communication and dissemination strategy and approach used.

The new SIS system was demonstrated at a number of educational institutions and was well received everywhere. The software is already operational at Model School and all its integral components are performing as expected.

5. Technology Platform used

a) Description

ASP.NET is an open source server-side Web application framework designed for Web development to produce dynamic Web pages. It was developed by Microsoft to allow programmers to build dynamic web sites, web applications and web services.

ASP.NET is built on the Common Language Runtime (CLR), allowing programmers to write ASP.NET code using any supported .NET language. The ASP.NET SOAP extension framework allows ASP.NET components to process SOAP messages.

ASP.NET is in the process of being re-implemented as a modern and modular web framework, together with other frameworks like Entity Framework.

ASP.NET aims for performance benefits over other script-based technologies (including classic ASP) by compiling the server-side code the first time it is used to one or more DLL files on the Web server. These .dll files or assemblies contain Microsoft Intermediate Language (MSIL) for running within the common language runtime; this provides a performance boost over pure scripted languages and is similar to the approach used by Python and not dissimilar to java server pages. This compilation happens automatically the first time a page is requested (which means the developer need not perform a separate compilation step for pages).

This feature provides the ease of development offered by scripting languages with the performance benefits of a compiled binary. However, the compilation might cause a noticeable but short delay to the Web user when the newly edited page is first requested from the Web server, but will not again unless the page requested is updated further.

The ASPX and other resource files are placed in a virtual host on an Internet Information Services server. The first time a client requests a page, the .NET Framework parses and compiles the file(s) into a .NET assembly and sends the response; subsequent requests are served from the DLL files. By default ASP.NET will compile the entire site in batches of 1000 files upon first request. If the compilation delay is causing problems, the batch size or the compilation strategy may be tweaked.

Developers can also choose to pre-compile their "code behind" files before deployment, using Microsoft Visual Studio, eliminating the need for just-in-time

compilation in a production environment. This also eliminates the need of having the source code on the Web server. It also supports pre-compile text.

b) Interoperability

The important goal of using .NET during the development of SIS was to promote interoperability with existing technologies. .NET interoperability comes in three types:

- Interoperability of .NET code with COM components (called as COM interop)*
- Interoperability of COM components with .NET (called .NET interop)*
- Interoperability of .NET code with Win32 DLLs (called P/Invoke)*

.NET runtime allows us to use legacy COM code from .NET components. We can call it backward compatibility. In the same way, .NET runtime also provides us forward compatibility, means accessing .NET components from COM components.

The .NET framework object model and its workings are different from Component Object Model (COM) and its workings. For example, clients of .NET components don't have to worry about the lifetime of the object. Common Language Runtime (CLR) manages things for them. In contrast, clients of COM objects must take care of the lifetime of the object. Similarly, .NET objects live in the memory space that is managed by CLR. CLR can move objects around in the memory for performance reasons and update the references of objects accordingly, but COM object clients have the actual address of the object and depend on the object to stay on the same memory location.

Similarly, .NET runtime provides many new features and constructs to managed components. For example, .NET components can have parameterized constructors, functions of the components can have accessibility attributes (like public, protected, internal, and others) associated with them, and components

can also have static methods. Apart from these features, there are many others. These include ones that are not accessible to COM clients because standard implementation of COM does not recognize these features. Therefore .NET runtime must put something in between the two, .NET server and COM client, to act as mediator.

c) Security concerns

ASP.NET, in conjunction with Microsoft Internet Information Services (IIS), can authenticate user credentials such as names and passwords using any of the following authentication methods:

- Windows: Basic, digest, or Integrated Windows Authentication (NTLM or Kerberos).*
- Forms authentication, in which you create a login page and manage authentication in your application.*

ASP.NET controls access to site information by comparing authenticated credentials, or representations of them, to NTFS file system permissions or to an XML file that lists authorized users, authorized roles (groups), or authorized HTTP verbs.

d) Any issue with the technology used: None

e) Service level Agreements (SLAs) (Give details about presence of SLA, whether documented, whether referred etc. #): None

6. Service Delivery - user orientation (Give details about improvement in interaction with end user and outcome, relevance of access points, Length and Breadth of services provided online etc. #)

Following services are now being provided online in a closed user group (CUG)

- 1. viewing & entering the academic marks of students*
- 2. viewing & entering the attendance of the students*

3. *subject registration & viewing registered subjects*
4. *viewing of Lecturer details*
5. *viewing of details regarding the student who involve in extra- curricular activities*

The new system also possesses advanced capabilities of generating On-the-fly MIS reports on the following to concerned stakeholders:

1. *Attendance details*
2. *Monthly attendance details*
3. *Marks statement*
4. *Internal Marks statement*
5. *Board Theory Marks statement*
6. *Details of student in particular department / semester*
7. *Staff details in particular department*
8. *Subject details for a particular students*
9. *Credit regarding subject*
10. *Details regarding skill map*
11. *Details regarding carrier path*
12. *Details regarding fees structure*
13. *SMS alert to parent/guardians for unauthorized absentees*
14. *MIS to monitor academic performance*
15. *Curriculum/Lesson Plan updates*

7. Citizen Centricity (Give specific details on the following#)

- a) **Impact on effort, time and cost incurred by user:** *Instant availability of student information, reports, addition/deletion/modification of student records. Users at different levels have role based access to the different modules of the system*

- b) **Feedback/grievance redressal mechanism:** NA
- c) **Audit Trails:** *The system maintains a log of its activities and captures information on the user-login details (users can be made at all the levels defined in the system)*
- d) **Interactive platform for service delivery:** *As explained in the section 5 above, the new SIS provides a wide range of online module and reporting functionalities that aid the user (Institution/Schools/SIS Administrator etc.) in handling the student information efficiently.*
- e) **Stakeholder consultation:** *Based on the continuous feedback received on the performance of the SIS, regular enhancements have been made to the system to make it more user-friendly and functionality intensive.*

8. User convenience (Give specific details about the followings #)

- a) **Service delivery channels (Web, email, SMS etc.):** *Web, SMS*
- b) **Completeness of information provided to the users:** *As explained in the section 5 above*
- c) **Accessibility (Time Window):** *Instant availability of student information and capability to manage the same*
- d) **Distance required to travel to Access Points:** NA
- e) **Facility for online/offline download and online submission of forms:** *Available*
- f) **Status tracking:** *Instant availability of status information through the online SIS interface*

9. Efficiency Enhancement (Give specific details about the following #)

a) Volume of transactions processed

- *Student Details Processed: 1130*
- *Attendance Entered by Staff: 397854*
- *Internal Marks (both Degree and Diploma): 462486*
- *Board Marks Entered (Diploma): 89657*

- *Board Marks Entered (Degree): 25711*

b) Coping with transaction volume growth:

- Installed the software in Cisco UCS Quad Core Blade server, 64 GB RAM, 300 GB (SAS), SAN Storage 6TB with redundancy, Windows Server 2012
- Back End : Oracle 11g
- Automatic Backup Schedule

c) Time taken to process transactions: 3-4 seconds

d) Accuracy of output: 100%

e) Number of delays in service delivery: No delay has been observed

10. Accessibility (Give details about how following has been enhanced: user accessibility, transparency in system, single-window resolution, ease of navigation; impact on service response time, number of visits required for accomplishing the task before and after automation, Communication e-mail, SMS, web based tracking, etc.)

The new SIS provides the following benefits to the involved stakeholders:

- 1. To fetch the pre-defined data of each student*
- 2. Handling inquiries from prospective students*
- 3. Handling records of examinations, assessments, marks, grades and academic progression*
- 4. Maintaining records of absences and attendance*
- 5. Recording communications with students guardians through e-SMS module of CDAC*
- 6. Maintaining discipline records*
- 7. Providing statistical reports*
- 8. Student health records through online BMI report generation*
- 9. Increased transparency in the system through online report generation and view access*
- 10. Ease of navigation through structured design of user modules in the new*

Student Information System (SIS)

11.Innovations(Give details on the extent to which initiative/project is unique in purpose/goal, compared to other common e-governance projects , give details about the new processes / new activities, new steps , ICT interventions, administrative process reforms, any use of new & emerging technology functionalities introduced into the system, identification & removal of any bottlenecks / give details irrelevant steps, Comparative with Original Project (Provide a comparative analysis about how is this project similar / different in services provided, design, functionality, technology, platform etc from the original project)

The new improved SIS has the below important functionalities in a closed user group (CUG):

- 1. viewing & entering the academic marks of students*
- 2. viewing & entering the attendance of the students*
- 3. subject registration & viewing registered subjects*
- 4. viewing of Lecturer details*
- 5. viewing of details regarding the student who involve in extra-curricular activities*

Below mentioned are the important modules of software:

- 1. Module to establish connection between the Front End and Back End*
- 2. Enrollment of new student*
- 3. Registration of subject*
- 4. Registration for Multi Point Entry Credit system student.*
- 5. Fees Structure (Admission, Registration, Hostel, Exam etc.)*
- 6. Details regarding Lecturer*
- 7. Managing attendance*
- 8. Marks statement*
- 9. Exam Registration*
- 10. Handling Skill map*
- 11. Carrier path entry regarding placement*
- 12. Module to deal with the run-time error*

13. Module for validation to handles error

For the ease of the stakeholders involved, the new SIS system possesses capabilities of generating the following reports:

- 1. Attendance details*
- 2. Monthly attendance details*
- 3. Marks statement*
- 4. Internal Marks statement*
- 5. Board Theory Marks statement*
- 6. Details of student in particular department / semester*
- 7. Staff details in particular department*
- 8. Subject details for a particular students*
- 9. Credit regarding subject*
- 10. Details regarding skill map*
- 11. Details regarding carrier path*
- 12. Details regarding fees structure*

12. Sustainability (Give details about Self sustainability of these w.r.t Institution (hiring trained staff, training etc.), financial (Scope for revenue generation), saving of time and money etc. #)

The new Student Information System (SIS) is software whose development and maintenance is entirely being taken care of by the Dr. B. R. Ambedkar Institute of Technology, Andaman & Nicobar Islands. All the costs related to change requests and continuous enhancements are borne by the agency.

13. Adaptability Analysis

a) **Measures to ensure adaptability and scalability:** *SIS has been designed on a modular architecture that allows it to be adapted to any client requirement with least number of changes required. SIS is scalable and can cater to a wide variety of student information as per the specific requirements of individual institutions/schools.*

b) **Measures to ensure replicability:** *The new SIS has been designed in*

such a way that it can be replicated/installed at multiple locations with least customization required. This helps in the fast roll-out of the system and benefits the institutions/schools.

c) **Restrictions, if any, in replication and or scalability:** None

d) **Risk Analysis:** None

14. Result Achieved/ Value Delivered to the beneficiary of the project-(share the results, matrices, key learning's, feedback and stakeholders statements that show a positive difference is being made etc)

a) **To organization:** *The primary organizational beneficiary of the new Student Information System are the institutions/schools who receive the following benefits:*

1. *viewing & entering the academic marks of students*
2. *viewing & entering the attendance of the students*
3. *subject registration & viewing registered subjects*
4. *viewing of Lecturer details*
5. *viewing of details regarding the student who involve in extra curricular activities*

b) **To citizen:** *In the citizen group, parents are the beneficiaries who receive SMS's through the eSMS module of SIS in case their ward is absent or in case the school wants to send out the reports on their performance to the respective parents*

c) **Other stakeholders:** NA

15. Extent to which the Objective of the Project is fulfilled-(benefit to the target audience i.e G2G, G2C, G2B, G2E or any other, size and category of population/stakeholder benefited etc.)

The new Student Information System (SIS) is primarily a G2C, G2G service that caters to the requirements of both the institutions/schools who want to streamline the management of their student's information and possess the capabilities to

generate on-the-fly reports concerning student's performance, attendance and other parameters. The other major beneficiary is the set of parents who are now empowered with the ability to receive messages from the schools regarding their ward and can take corrective action and instill discipline in their ward.

16. Comparative Analysis of earlier Vs new system with respect to the BPR, Change Management, Outcome/benefit, Change in legal system, rules and regulations

The real problem lies in the software that was existing earlier for handling the Student Information System. The previous software was windows based i.e., there was no facility to enter or view the information online and the data was also not in a centralized form.

To overcome this, now the software was developed in ASP.Net as a Front End and Oracle 11g as a Back End to overcome the limitation of the existing software. All the processes related to student information management were performed through a window-based system which was not only time consuming due to the lack of proper communication between the different departments but was inefficient. So through this new web-based package, it has become more transparent and secure.

17. Other distinctive features/ accomplishments of the project:

1. The new SIS is one of its kind in terms of Student Information Management capabilities and its abilities to generate reports on-the-fly real time and over a short period of its operations it has proved its worth in the Educational Institutes/Schools

Track Record of Individual Student

Smart Card Information System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://172.16.1.23/SmartCard/SmartCardInfo.htm

Smart Card No. 0909980130

SMART CARD INFORMATION SYSTEM

Personal Details

Name: SRAMMANTHAM Blood Group: O+

Father's Name: S.PALANIVANDI Contact No: 9950341849

Time: 3-EVEN Department: DCE

Photo Gallery

Father Mother Guardian Student

Enrollment No: 0909980130

Smart Card Information System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://172.16.1.23/SmartCard/SmartCardInfo.htm

Smart Card No. 0909980130

SMART CARD INFORMATION SYSTEM

ACADEMIC DETAILS

1-000 1-NEVEN 2-000 2-EVEN 3-000 3-EVEN 4-000 4-EVEN 1-YEAR 2-YEAR 3-YEAR

Sub Code & Sub Name

	T1	T2	RA	ST	P1	P2	BP	BT
	(100)	(100)	(10)	(10)	(25)	(25)	(10)	(10)
3-000 30294 SPQ	41	51.5	7	5				50
3018 OOP	51	61	9	7	20	20		60
3055 WMP	59	42.5	10	9	20	20		47
3050 CP	42	38.5	5	5	10	10		30
3057 CSTG	61	64	9	9.5	10	21	40	30
3054 CG	62	60	10	9	20	24		47
30292 PSC-6					10	21		

Smart Card Information System / Microsoft Internet Explorer

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Back Forward Stop Search Favorites Home

Address: http://172.16.1.133/SmartCard/SmartCardInfo.htm

Smart Card Information System

Serial No. 1309990170

1-0001 10-0001 2-0001 3-0001 4-0001 5-0001 6-0001 7-0001 8-0001 9-0001 10-0001 11-0001 12-0001 13-0001 14-0001 15-0001 16-0001 17-0001 18-0001 19-0001 20-0001 21-0001 22-0001 23-0001 24-0001 25-0001 26-0001 27-0001 28-0001 29-0001 30-0001 31-0001 32-0001 33-0001 34-0001 35-0001 36-0001 37-0001 38-0001 39-0001 40-0001 41-0001 42-0001 43-0001 44-0001 45-0001 46-0001 47-0001 48-0001 49-0001 50-0001 51-0001 52-0001 53-0001 54-0001 55-0001 56-0001 57-0001 58-0001 59-0001 60-0001 61-0001 62-0001 63-0001 64-0001 65-0001 66-0001 67-0001 68-0001 69-0001 70-0001 71-0001 72-0001 73-0001 74-0001 75-0001 76-0001 77-0001 78-0001 79-0001 80-0001 81-0001 82-0001 83-0001 84-0001 85-0001 86-0001 87-0001 88-0001 89-0001 90-0001 91-0001 92-0001 93-0001 94-0001 95-0001 96-0001 97-0001 98-0001 99-0001 100-0001

DR.B.R.AMBEDKAR INSTITUTE OF TECHNOLOGY

MONTH WISE ATTENDANCE DETAILS

Sub Code & Subject Name

Sub Code	Subject Name	JAN-2013			FEB-2013		
		Class	Atend	%	Class	Atend	%
17001	ENGLISH	28	25	89	27	25	93
17002	COM FUND	28	15	54	28	17	61
17003	ENGLISH	28	24	86	24	24	100
17004	ENGLISH	17	14	82	15	15	100
17005	ENGLISH	15	14	93	14	14	100
17006	ENGLISH	15	12	80	15	13	87
17007	ENGLISH	15	17	113	15	17	113

17001 ENGLISH 28 25 89 27 25 93

17002 COM FUND 28 15 54 28 17 61

17003 ENGLISH 28 24 86 24 24 100

17004 ENGLISH 17 14 82 15 15 100

17005 ENGLISH 15 14 93 14 14 100

17006 ENGLISH 15 12 80 15 13 87

17007 ENGLISH 15 17 113 15 17 113

Smart Card Information System / Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Home

Address: http://172.16.1.133/SmartCard/SmartCardInfo.htm

Smart Card Information System

Serial No. 1309990170

Click on the View button to view your Smart Marksheet.

1309990170

View

Department: MECH

Winter 2012

Name of the Student: V PREM KUMAR

STATEMENT OF MARKS FOR Winter 2012

Sub Code	Sub Name	Max	Min	OB	AB	Grade
17001	ENGLISH	Max: 100 Min: 48 OB: 58 AB: 12 Total: -	25	-	-	3
17004	BASIC MATHEMATICS	Max: 100 Min: 22 OB: 12 AB: - Total: -	-	-	-	3
17001	ENGINEERING GRAPHICS	Max: - Min: 28 OB: 48 AB: 25 Total: -	58	-	58	6
17002	COMPUTER FUNDAMENTALS	Max: - Min: 25 OB: 18 AB: 21 Total: -	25	-	58	3

Mobile Governance of Absentee Student

The screenshot shows a web application interface for 'MOBILE GOVERNANCE'. It displays a list of messages sent to parents regarding student attendance. The messages are numbered 1 to 5, each containing a student ID, a parent ID, and a message body. The messages are all from the 'MOBILE GOVERNANCE' system and are dated 24-Feb-14.

S.No	Form No.	Student No.	Parent No.	Message
1	1309900330	ANUSHREE DAS	947000000	Dear Parent Your ward has not attended 1 class(s) in the PM of 24-Feb-14. Please advise your ward to be regular. HOD (BNAAT)
2	1309900330	MOHAMMED KAMAL	947400004	Dear Parent Your ward has not attended 2 class(s) in the PM and 1 class(s) in the AM of 24-Feb-14. Please advise your ward to be regular. HOD (BNAAT)
3	1309900330	POOJA LALL	982228820	Dear Parent Your ward has not attended 1 class(s) in the PM and 1 class(s) in the AM of 24-Feb-14. Please advise your ward to be regular. HOD (BNAAT)
4	1309900330	KARISHA KISHORE	947800007	Dear Parent Your ward has not attended 1 class(s) in the PM and 1 class(s) in the AM of 24-Feb-14. Please advise your ward to be regular. HOD (BNAAT)
5	1309900330	VARSHA ANAND	943400000	Dear Parent Your ward has not attended 1 class(s) in the PM and 1 class(s) in the AM of 24-Feb-14. Please advise your ward to be regular. HOD (BNAAT)

Below the list, there is a 'Pending Status' section with a 'Send SMS' button and a 'Send to COAC mGov Application' button.

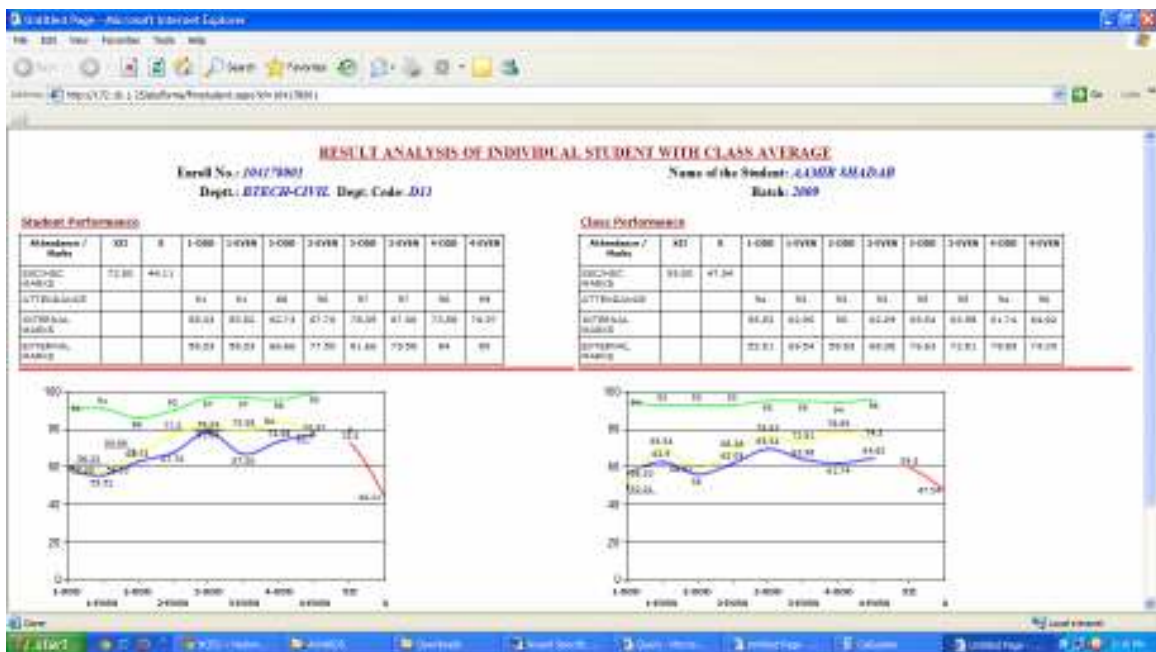
Result Analysis

The screenshot shows a web application interface for 'RESULT ANALYSIS REPORT (TERM WISE)'. It displays a table of student results for the term 'TERM 1 (2013-2014)'. The table includes columns for S.No, Subject, Lecturer Name, No. of Students, Pass %, and Name of Students Failed Subject Wise. The table is filtered by 'Dept: BTECH-CSE' and 'Term: 1 (2013-2014)'. The results are for the exam board 'BNAAT'.

S.No	Subject	Lecturer Name	No. of Students	Pass %	Name of Students Failed Subject Wise	Threshold Score for Failure	Action Proposed
1	PHYSICS LABPHE	DR. LILLY ANEKA	26	26	6	100	
2	CHEMISTRY LABPHE	DR. RAJESH SINGH	26	26	6	100	
3	WORKSHOP PRACTICE	P. M. KUTTY	26	26	6	100	
4	MATHEMATICS (I)	ANUSHEEN	26	21	7	70.07	ANUSHEEN SAKSHI ANAND S. L. RYTH DEVI ANUSHEEN SAKSHI ANAND S. L. RYTH DEVI ANUSHEEN SAKSHI ANAND S. L. RYTH DEVI ANUSHEEN SAKSHI ANAND S. L. RYTH DEVI ANUSHEEN SAKSHI ANAND S. L. RYTH DEVI
5	MATERIAL SCIENCE (I)	DR. RAJESH SINGH	26	26	2	82.07	ANUSHEEN SAKSHI ANAND S. L. RYTH DEVI
6	ENVIRONMENTAL SCIENCE (I)	ANUSHEEN	26	26	1	88.87	ANUSHEEN SAKSHI ANAND S. L. RYTH DEVI
7	BASIC CIVIL AND MECHANICAL ENGINEERING	ANUSHEEN	26	26	1	88.87	ANUSHEEN SAKSHI ANAND S. L. RYTH DEVI
8	ENVIRONMENTAL SCIENCE (I)	ANUSHEEN	26	26	1	88.87	ANUSHEEN SAKSHI ANAND S. L. RYTH DEVI



Individual Student Performance –vs- Class Performance



Defaulter List

STUDENT INFORMATION SYSTEM
Dr. B. R. Ambedkar Institute of Technology

Dept: ECC
Semester: 2013-2014

CONSOLIDATED DEFAULTER LIST

S.No	Term	Enroll No.	Name	Sub Code	Sub Name	Att %	TA
1	1-EVEN	1309000024	SHYAMA ACHARYA	2010	PLC PROG AND APPL	84	31
2	1-EVEN	1309000156	SHREYA KARNAL	1014	ELECTRONIC WORKSHOP		32
3	1-EVEN	1309000156	SHREYA KARNAL	1020	COMMUNICATION SKILL	25	8
4	1-EVEN	1309000156	SHREYA KARNAL	1016	APPLIED SCIENCE (PHYSICS)	60	8
5	1-EVEN	1309000156	SHREYA KARNAL	1011	APPLIED SCIENCE (CHEMISTRY)		4
6	1-EVEN	1309000156	SHREYA KARNAL	1016	ELEMENT OF ELECTRONICS	50	25
7	1-EVEN	1309000156	SHREYA KARNAL	1016	ENGINEERING MATHEMATICS	67	
8	1-EVEN	1309000175	AMACHAMALA CHAND	1020	COMMUNICATION SKILL	20	8
9	1-EVEN	1309000175	AMACHAMALA CHAND	1016	APPLIED SCIENCE (PHYSICS)	50	8
10	1-EVEN	1309000175	AMACHAMALA CHAND	1011	APPLIED SCIENCE (CHEMISTRY)	60	4
11	1-EVEN	1309000175	AMACHAMALA CHAND	1016	ELEMENT OF ELECTRONICS	70	20
12	1-EVEN	1309000175	AMACHAMALA CHAND	1016	ENGINEERING MATHEMATICS	64	
13	1-EVEN	1309000194	D SUDHA	1016	DEVELOPMENT OF LIFE SKILL	70	
14	1-EVEN	1309000194	D SUDHA	1014	ELECTRONIC WORKSHOP	50	
15	1-EVEN	1309000194	D SUDHA	1020	COMMUNICATION SKILL	41	8

GPA & CGPA Calculation Sheet for Degree Programme

GPA & CGPA CALCULATION SHEET FOR DEGREE PROGRAMME

Department: ECECH-016 Batch: 2010

Dept.	Enroll No.	Name	CGPA	SEM-016			SEM-011			SEM-011			SEM-012			SEM-011			SEM-013		
				10	16	20	10	16	20	10	16	20	10	16	20	10	16	20	10	16	20
SHREYA KARNAL	1309000156	SHREYA KARNAL	6.86	8	22	8.22	16	36	8	22	104	8.88	16	36	8.88	16	36	8.88	16	36	8.88
	1309000156	SHREYA KARNAL	6.86	8	26	8.56	22	104	8.88	16	37	7.25	22	113	7.52	22	113	8.88	27	121	8.74
	1309000156	SHREYA KARNAL	7.06	20	101	8.28	27	111	8.55	32	128	7.16	32	124	7.54	32	124	6	36	116	7.34
	1309000156	SHREYA KARNAL	6.96	20	101	7.40	31	130	7.67	32	130	8.14	32	124	8.25	31	125	8.48	36	142	8.88
	1309000156	SHREYA KARNAL	7.06	16	66	8.56	32	101	8.84	34	106	7.87	42	135	7.76	32	125	7.95	33	145	7.96
	1309000156	SHREYA KARNAL	6.22	12	12	6	40	100	8.25			6			6			6			6
	1309000156	SHREYA KARNAL	6.86	12	14	8.16	32	122	8.16	32	100	8.56	42	102	7.16	31	125	7.58	41	100	7.67
	1309000156	SHREYA KARNAL	6.86	26	128	7.88	27	100	7.74	32	141	8.82	32	114	8.87	31	100	8.58	36	125	8.43
	1309000156	SHREYA KARNAL	7.06	16	66	6	34	126	7.82	32	125	8.88	22	105	8.73	23	105	8.77	36	121	7.86
	1309000156	SHREYA KARNAL	7.06	16	123	8.47	32	100	8.24	32	101	7.17	32	101	7.46	31	100	7.81	36	124	7.88
	1309000156	SHREYA KARNAL	7.06	16	145	8.16	32	122	8.82	32	125	7.87	32	124	7.82	31	122	7.48	36	121	7.78
	1309000156	SHREYA KARNAL	7.06	20	121	8.84	31	121	8.88	34	176	7.45	36	106	7.58	31	124	7.54	37	105	7.78
	1309000156	SHREYA KARNAL	7.06	32	100	7.23	32	124	7.88	32	125	8.83	32	101	8.28	31	122	8.16	36	121	7.78
	1309000156	SHREYA KARNAL	7.06	12	16	5.83	34	124	8.58	34	111	7.12	36	100	7.38	23	100	7.76	34	122	8.82
	1309000156	SHREYA KARNAL	7.06	8	40	6	40	140	8.58	32	101	8.82	32	125	8.88	31	122	7.48	36	107	7.57
	1309000156	SHREYA KARNAL	7.06	8	12	12	6		6		6			6			6			6	
	1309000156	SHREYA KARNAL	7.06	4	36	7.58			6		6			6			6			6	

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INDIVIDUAL STUDENTS INTERNAL EVALUATION

Roll No. 0000000100 Show

74 73 84 93 97 94 92 79 94+92 70

Print Date & Time: 11/06/2010 03:30:01 PM

IIS RAMBHAH INSTITUTE OF TECHNOLOGY

INTERNAL EVALUATION SHEET

(PT-0)(11M01) x 100 x 0.2 + (11M02) x 100 x 0.1 x 0.2 + RA + (71) x 100 x 0.1 for Semester Roll Code

(PT-0)(11M01) x 100 x 0.2 + (11M02) x 100 x 0.1 x 0.2 + RA + (71) x 100 x 0.1 for Alpha Semester Roll Code

Dept: ICE

Term: 1-000

Semester: 2008-2010

Roll Code: 0004

Roll Name: APNAB PAVSAC

S.No.	Grade No.	Name	74	73	84	93	97	94	92	79	94+92	70
1	0000000100	0000000100	74	40	8	7	11	11	10	10		

Sign. of RODFI

Sign. & Name of Lecturer

The process of e-Governance in BRAIT was started 14 years ago following a structured approach of process mapping, process re-engineering followed by computerization. The package has undergone continuous revision with respect to platform as well as features. The benefits accrued by the above e-Governance initiatives are as under: -

- Improving the work culture of the institute and self discipline among the staffs
- Capacity building of staffs
- Institute became a resource centre for supporting IT initiatives of A & N Administration
- Enhanced employment opportunities for the students due to better skill sets
- System driven with no scope for adhoc decisions in routine academic matters

Andaman & Nicobar Islands being geographically isolated from mainland India poses a challenge in adopting best practices which is otherwise prevalent in other institutes of our country. The BRAIT team has successfully transformed the challenge into opportunity and implemented the e-GOV initiatives in the institute with no additional expenditure.