

Bangalore University

INITIATES EXAM REFORMS

PROJECT SANJEEVANI

Report on System Audit of Examination Process - May-June 2010



Bangalore University along with Indian Centre for Social Transformation (Indian CST) has launched an Examination Modernisation Process called Project Sanjeevani aimed at promoting transparency and enhancing the overall credibility of examination results

Submitted by:

Indian Centre for Social Transformation
www.indiancst.in



Assisted by team of certified auditors from Integrated Quality Certification Pvt. Ltd.
www.iqcglobal.com

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Indian Centre For Social Transformation Associate 2 Transform & Excel

Indian Centre for



Social Transformation
A Public Charitable Trust (Regd.)

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Project Sanjeevani

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Report on System Audit of Examination Process May-June 2010

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Published on September 7, 2010

PHASE-II

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About Indian CST

Indian Centre for Social Transformation (Indian CST) is a registered public charitable Trust, formed on 14-11-2009 (Registration No. HLS-4-00228-2009-10 dated 26/12/2009). Its registered office is located at No. 403, Usha Kiran, Haudin Road, Bangalore-560 042. The Trust is represented by JK Rao, IRS (Retd.), Raja Seevan and A Arumugham as Trustees.

The main objective of the Indian CST is to realize sub clause (j) of Article 51A which reads as under:

Article 51A: (j) to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement.

The goal of Indian CST is to promote projects that will deliver cost effective computing, best practices, knowledge management systems and critical applications at affordable costs to masses across India. Indian CST truly believes in "IT for Social Change."

Indian CST Achievements:

1. Through Cloud Computing Infrastructure, Indian CST has provided Global Project Management Solutions called ETAMINE to Bruhat Bengaluru Mahanagara Palike (BBMP) in professional implementation of over 20000 publicly-funded projects costing Rs 14,000-crores.
2. Another Project under implementation is the Examination Processes Modernization and Reforms in Bangalore University effecting 15 lakh students.
3. National Productivity Council (NPC) and Indian CST have come together in a spirit of mutual interest to synergize their individual strengths and work jointly the field of Project Management and Monitoring of Projects specially in Government/Public Sectors within India.



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Project Sanjeevani

Report on System Audit of Examination Process **May-June 2010**

Indian Centre for Social Transformation

A Public Charitable Trust (Regd.)

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Published on September 7, 2010

Foreword



Shri R Sri Kumar
Chairman, Indian CST

Bangalore University is one of the foremost universities in India having more than 550 colleges affiliated to it. It also has more than 100,000 students enrolled each year in the various courses conducted by it. During the last few years, Bangalore University has been undergoing a crisis of confidence due to malpractices at various stages of examination process. The students found a large number of discrepancies in the results announced and marks obtained. This was leading to large number of students applying for revaluation and a further delay in the announcement of final results.

It was therefore a pleasant surprise and privilege when Bangalore University approached Indian Centre for Social Transformation (Indian CST) to help them in reforming the examination process. Indian CST has been set up to bring about a social transformation in our society by bringing in transparency in all aspects of life. This joint venture with Bangalore University will be one more step in achieving that transformation.

Indian CST accepted the challenge of bringing in reforms to the examination process and started project Sanjeevani by putting in place a number of initiatives, mainly IT-based to set right the system. Some of these initiatives were tried out during the exams of May-June and met with considerable success. Further changes have been planned for the November-December 2010 Examinations and hopefully these will lead to a more transparent examination system and thereby give confidence to students of the university and the various other stakeholders about the entire examination process.

It will be our sincere endeavour to make this project a success to ensure a bright future for students of Bangalore University.

With Best Wishes,

A handwritten signature in dark ink, appearing to read 'R Sri Kumar'.

Shri R Sri Kumar
Chairman, Indian CST

Bangalore University Initiates Exam Reforms

Bangalore University, along with the Indian Centre for social Transformation (Indian CST), has launched an Examination Modernization process called Project Sanjeevani aimed at promoting transparency and enhance the overall credibility of examination results.
See your May-June 2010 Semester Results - **Project Sanjeevani**.



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Bangalore University

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Prof. N. PRABHU DEV
Vice Chancellor
Bangalore University

Message

Bangalore University is proud to collaborate with Indian Centre for Social Transformation (Indian CST), a Public Charitable Trust, to undertake an *Examination Process Modernization*, known as Project Sanjeevani for Under-Graduate Courses during May-June 2010.

The primary motto of the project is to undertake a study to identify major loopholes in the current examination system and also to conceptualize, design, develop, and deploy solutions for reforms in the examination system, so as to address the loopholes identified and to improve the efficiency and the security of the examination and evaluation process.

There is a need for bringing increased transparency and accountability in the education system by modernizing the age-old inheritance in order to enhance efficiency and productivity in the quality of education. Bangalore University is always in the forefront for undertaking such innovative initiatives that will enhance the value system of the quality of education and strengthen the administrative coordination.

Bangalore University - located on a sprawling 1100 acres of Jnana Bharathi campus and another huge City Campus - is one of the largest universities of Asia and also one of the oldest Universities of India. This University is a part of the Association of Indian Universities (AIU) and has the University Grants Commission (UGC) recognition. The degrees, offered by the University, are recognized world over. It is accredited by NAAC and has got the Five Star Status since 2001. Even otherwise, the Bangalore University is noted as one of the leading Universities of the Country. The alumni of this University include several great personalities like Nobel Laureate Sir C V Raman.

The Bangalore University (1964) was the third University to be established in Karnataka followed by the Mysore University (1916) and the Karnataka University - Dharwad (1949). Though this University was originally intended to be a federal university, it eventually emerged as an affiliating University because of the Karnataka State Universities Ordinance of 1975.

The Project Sanjeevani is very significant for Bangalore University as well as for the education system in India. I do hope that reputed institutions and universities across the country reply more and more on scientific methods in the use of technology for exhibiting a high degree of professional competence.

Prof. N. PRABHU DEV
Vice Chancellor
Bangalore University



Acknowledgement

Examination Modernisation Process, initiated by Bangalore University, is a prestigious project for the University and as well Indian Centre for Social Transformation.

Indian Centre for Social Transformation (Indian CST) would like to thank Bangalore University, its management, syndicate and staff for their continuous support to Examination Modernisation Process and also thanks partners of Indian CST whose association made Project Sanjeevani possible.



Executive Summary

This report gives the findings of a study carried out to identify the weaknesses in the current examination system and suggest improvements to strengthen the examination system and reduce the malpractices observed in the system.

Chapter-1 gives details of the scope of the project, the MOU between Bangalore University (BU) and Indian Centre for Social Transformation (Indian CST), details of study carried out on the current examination process, weaknesses in the current process and brief findings of the CAG report which investigated the BU's technology-led processes.

Chapter-2 deals with the new systems introduced as a result of the study carried out. These new systems are those that were introduced in a short time and aimed at reducing some of the weakness in the system. Some of the important new introductions include Audits by an independent agency, posting of observers at exam centers, scanning of face sheets, web portal development, validation of OMR data and a web-based complaint handling system to track complaints from the public and students. The new systems will help in bringing about transparency into the whole examination system.

Chapter-3 talks about all the data that was collected during the course of the study and implementation of new processes. It also details the process improvements carried out as a result of introduction of new processes, the strategic plan for the future examinations, feedback from stakeholders, HR initiatives, and a list of personnel who participated in the whole study process.

Chapter-4 is the most important chapter and gives details of the recommendations made to improve each of the examination processes. Most of the improvements suggested can be implemented from the next exam in November-December 2010. A few of the improvements are long term in nature and are IT-based initiatives involving considerable investments in infrastructure and financial resources. BU will have to study the improvements suggested and come out with an action plan to implement the same.

Chapter-5 is a short chapter, which dwells on the Future road map BU will have to chalk out to carry forward the reforms process. Hopefully with this, the BU exam system should become more robust and give confidence to all stakeholders and bring in transparency into the whole examination process.

The study of Examination Process indicates that the BU Examination Manual is by and large adequate to address the examination system. Some changes in the manual will be required to strengthen the system as given in the recommendations in *chapter-4*.



It is, however, seen that the Implementation of the guidelines given in the examination manual is not uniform and needs to be improved at many of the examination and evaluation centers. Based on the observations made, following are the initial recommended changes that need to be introduced in the future semester examination.

At the time of distribution of question papers and answer scripts as well as OMR sheets a proper computerized inventory management system needs to be put into place. The employment of a logistics agency for ensuring timely delivery of question papers to all the centers may be thought off. This could also be extended to collect answer scripts and safe delivery to the valuation centers.

Consolidation of the invigilator dairies and the absentee's statement needs to be done on a day -to-day basis centrally at the University in addition to the work done at the exam centers. A computerized program or a mobile technology or fax could be used for this purpose. Existence of such facility in exam centers should be considered as one of the pre-condition apart from other criteria for selection of center.

Instead of using blank OMR sheets, only numbered OMR sheets officially issued by BU is to be used by the examination centers. Scanned images of the OMR sheets should be taken into possession by BU from the vendor. Biometric attendance and Closed Circuit Television (CCTV) converge of all evaluation centers needs to be introduced from the next semester examinations. Database of all the retired teachers need to be maintained to facilitate their use during forth coming exams.



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About Bangalore University

Bangalore University (BU), is a university incorporated under the provisions of the Karnataka State Universities Act, 2000 and is having its registered office at City Campus, Central College, Bangalore-560 001.

BU is a University established and incorporated for Bangalore and other adjoining districts of Karnataka State and BU is engaged in furthering the advancement of learning and pursuit of higher education and research.

In this regard, BU is duty bound to perform various services like providing instructions, holding examinations, granting and conferring degrees, diplomas and other academic distinctions on eligible candidates etc.

BU has around 540 colleges affiliated to it and provides education in Arts, Science, Commerce, Management, Computer Science, Hotel Management, etc. BU is following the semester system of study and conducts examination at the end of each semester.

BU had noticed that there were some malpractices and loopholes in the process of conduct of examinations that needed to be urgently attended to protect and preserve the authenticity & integrity of the examination results and the credibility of its examination system.

Some of the known malpractices are listed below:

Based on enquires conducted by BU and information gathered through sources, existence of following malpractices to varying degrees have come to light.

- Insertion of duplicate answer books in place of original before valuation or at the time of challenge/revaluation of scripts.
- Re-writing the answers once again in between wherever space is available in the answer sheets. This may be done before valuation/revaluation of scripts.
- Insertion of duplicate mark lists in place of original mark lists already valued possibly by forging the signatures.
- Preparation of mark lists without valuing the answer books.
- Inclusion of marks in the mark lists even though the student was absent for Examination or awarding zero marks showing him/her as absent student when he/she was actually present and his/her script had been valued.

- Wrong decoding of scripts by the decoder intentionally by entering the Register No. of failed candidate in place of passed candidate & vice versa.
- Allowing Mass copying at the examination centers in few colleges.
- Insertion of Practical mark after Tabulation.
- Insertion of mark lists even after the announcement of results.
- Erratic valuation.
- Getting the valuation done by unauthorized person.
- Evaluating hundreds of answer papers in a single day by one evaluator and justifying the same as valuated according to the rules.
- Late sending of Internal Assessment mark lists to the University.
- Mix up of marks of one student with another etc.

Audit by CAG, Govt. of India

An information system audit report from Comptroller and Audit General of India, Government of India** for the year ended 31st March 2009 was reviewed and following important points need to be noted.

- Audit found that security and controls were inadequate in the software applications developed by the entities and user requirements were not properly assessed. One of the entities Centralised Admission Cell (CAC), used loose set of programs based on FOXBASE, out dated software.
- Two entities, Centralised Admission Cell (CAC) & Karnataka Examinations Authority (KEA) employed contract staff without any technical supervision.
- The software application of the Examination Wing of BU, was not fully developed by the vendor and suffered from many defects, which made the software unreliable and necessitated manual intervention for correction of mistakes as a regular feature. The lack of controls in the software resulted in large scale mistakes in results and threatened the very credibility of the examination process.
- Three entities, CAC, KEA and Pre-University Education Department (PED) outsourced scanning of applications and answer sheets to the same private agency which also supplied the OCR/OMR forms. The data given by them was uploaded without sufficient checks. These practices affected data security and confidentiality.

Bangalore University - Examination Wing

- Key features envisaged in the System Requirement Document like OCR/OMR and bar-coding vital for elimination of manual data entry were not incorporated resulting in incomplete implementation.
- Mistakes in database and wrong generation of results arose due to presence of bugs in the software, which remained unresolved. Mistakes were invariably corrected by overriding/ bypassing controls using the “pend” and “tuned result processing” tabs and by back-end operations giving unlimited scope for manipulation.

- A test check of data for various courses generated for preparation of mark lists in the last one year revealed 70 cases of errors/inconsistencies like marks scored not shown, wrong absence, marks given to wrong subjects, marks given for subjects already cleared, absentee given marks, wrong totals, wrong marks, mix-up of marks and wrong results arising out of wrong data entry and incorrect definition of the parameters.

Non-provision of audit management module and archiving feature

Application software was to have an audit management module to record and keep track of operations at each and every stage so that any malpractices committed could be identified. But, the audit trails have been provided only for some menus and not for all operations. The vendor also did not incorporate a module for archiving of data. Due to non-defining of data retention period and archiving of data for future retrieval, the examination data of 14.9 million records from 2003 examination were also being tagged along while processing the results for the current examination. This affected the speed of processing, redundant data and scope for tampering of old data. The Department stated (October 2009) that the vendor did not provide this feature in the software which indicated that user requirements were not assessed properly.

Back end entries and modifications

As there was a compelling need to process the results and issue marks cards within the time-frame, the Computer Centre Staff continuously resorted to correction of mistakes through the “back end” by running script for generation of marks cards. The software had two tabs called “pend” and “tuned result processing” which could carry out any modification/manipulation of marks without affecting any other tables including master data. These menus carried over-riding privileges on all validations/checks in the software for normal data entry and could be used for generation of a desired output. These tabs were used either for adding or excluding marks of specific papers of certain courses and for change in grand total, pass percentage etc. The practice of correction through the back end coupled with lack of supervision, over-dependence on limited personnel and absence of logical and physical access control provided unlimited scope for manipulations and constituted a serious threat to data security and confidentiality.

Committed to bringing about reforms in the examination system so as to ensure the integrity of results and to protect the interests of students, BU after having introduced some changes like OMR etc wished to undertake and implement measures that would promote accountability and transparency in the examination system.

BU therefore approached Shri R Sri Kumar, Retired DG & IGP of Karnataka, Founder Trustee of Indian Center for Social Transformation (Indian CST), in view of his experience and expertise in investigation, vigilance, and providing technological solutions and project management etc, BU sought for his expert advice in bringing about improvements in the system of conducting of examinations by the University, by identifying the loopholes in the system and investigating the malpractices that had crept in, as well as persons responsible for the same.

Shri R Sri Kumar after holding discussions with officials of the BU, made a series of presentations on how to approach the problem and find optimum solutions through cloud computing for bringing about appropriate changes in affordable steps that would result in showing measurable and continual improvements over the next few semesters.

*** Audit report of CAG Dated 31st March 2009.*



Introduction to Indian CST

Indian Centre for Social Transformation (Indian CST), is a registered public charitable Trust, (Registration No. HLS-4-00228-2009-10 dated 26/12/2009) and having its registered office at No. 403, Usha Kiran, Haudin Road, Bangalore-560 042, represented by Shri R Sri Kumar, Chairman and Author Trustee and two other Founding Trustees Shri JK Rao and Shri Raja Seevan.**

The goal of Indian CST is to promote projects that will deliver cost-effective computing, best practices, knowledge management systems and critical applications, in a wide variety of fields, at affordable cost, to masses across India. Indian CST truly believes in 'IT for Social Change'.

Pursuant to the above, Bangalore University and Indian CST have decided to collaborate in implementing an Examination Processes Modernization Project, which will include undertaking of a consulting study to identify major loopholes in the current examination system and conceptualization, design, development, and implementation of solutions for reforms in the examination system, so as to address the loopholes identified and to improve the efficiency and the security of the examination and evaluation processes.

A memorandum of understanding (MOU) was accordingly arrived at and the services of Indian CST were engaged by Bangalore University for a period of one year and this Project titled Project Sanjeevani was launched vide Bangalore University Letter Dated 5th May 2010.

***Consequent to Shri R Sri Kumar's appointment as Vigilance Commissioner at the Centre, he has resigned as a trustee from Indian CST with effect from 07-09-2010 and is relieved from all his responsibilities.*





Scope of the Project

SCHEDULE-I (A): Phase-I

- 1 Phase-I (*the Proof of Concept Phase*) shall be limited to the conduct of the undergraduate semester examinations commencing on May 13th, 2010.
- 2 Indian CST shall make recommendations for the introduction of processes and technological measures, for the modernization and reform of the examination processes.
- 3 Indian CST in its capacity as the consultancy and implementation agency will assist BU in the implementation of the recommended processes and measures decided upon by BU.
- 4 Indian CST will assist BU in identifying and selecting eligible vendors of the required tools and technologies, in a transparent and cost effective manner, including through e-tendering/ reverse auction conducted by Karnataka State Police Housing Corporation Ltd (KSPHC).
- 5 Indian CST will advise BU on methods/strategies for efficiently and effectively ensuring implementation of the reforms given the urgency of the situation and the time constraints, ahead of the semester examinations, including for splitting up of work more than one vendor. In the event of any vendor failing to deliver as per contract terms and conditions, Indian CST will advise BU on suitable actions be taken to protect BU's interests, including for award of the contract to other technically shortlisted vendors, at the risk and cost of the vendor initially selected.
- 6 Indian CST will supervise the conduct of a system audit by an agency to be engaged by BU and compile and submit a system audit report to BU, at the conclusion of Phase-I, to enable them to gauge the efficacy of measures implemented and identify further weaknesses and loopholes in the system, that need to be addressed.
- 7 Indian CST has already recommended the implementation of the following technological processes/measures in Phase-I and BU has accepted the need for implementation of these measures:
 - a Deployment of a Collaborative Examination Portal ('Portal') for sharing of information amongst various participants and stakeholders in the examination system.
 - b Deployment of a One Time Password system to provide for secure access of information and results online, by students.

- 
- c A time and attendance management system based on biometrics for evaluators and staff. (to be done in Phase-II).
 - d A system of scanning and digitizing answer scripts immediately upon completion of the evaluation, to ensure maintenance of a secure record.
 - e Deployment of a Global Project Management System (GPMS) whereby the progress on various activities of different vendors can be tracked and achievement or delay in achievement of milestone deliverables can be recorded.

Indian CST will prepare the draft Request for Proposals (RFPs) for the design, development and implementation of each of these measures, assist BU in identifying suitable vendors for hardware/software/services required in relation to each of these measures, work with the vendors identified by BU and monitor day-to-day the development and commissioning of each of these measures by the vendors chosen by BU and guide them in relation to the requirements of the project.

- 8 Indian CST will design and deploy a Global Web-Based Project Management system to track and monitor the various activities of vendors and to keep track of each of their milestone deliverables. Indian CST will inform BU of any concerns relating to the delivery by any vendors and aid BU in taking necessary actions to make sure that the deliverables are obtained and deadlines are met.
- 9 Indian CST will advise BU on the required information technology and communication (ICT) infrastructure, networking, bandwidth, software and applications, required for deployment of the various IT-enabled measures identified above.
- 10 Indian CST has recommended that BU maintain a stable secure dedicated In-house IT centre-cum-Disaster Recovery facility located inside BU campus. Indian CST will work with BU and advise it on various aspects connected with setting up and operating such a facility.
- 11 Indian CST will advise BU on and recommend any version upgrades, after the implementation of Phase-I and ahead of undertaking the semester examinations for the next semester.

Problems/Obstacles in Implementation of MOU

Time

The mandate to carry out the reforms process was given when the exam process was about to start. Few of the activities like Paper setting & printing, selection of exam centers, etc. were already completed. This gave very little time to plan all activities needed to carry out such a large project.

However within the time available necessary arrangements were made to select observers, and instruct them on the nature of activity to be carried out. Auditors were also arranged at short notice and necessary checklists prepared for the various processes to ensure an effective job were done.

For the coming exam in November-December 2010, proper planning will have to be done to ensure all activities are covered right from the start of the exam process.

Manpower

Manpower for the project was selected from staff of ITI and G4S. Persons selected were not well versed in the process of conduct of exams. As it was not possible to provide them proper training, they were not able to do full justice to their roles. For the ensuing exam, observers selected will be given proper training so that they can do a more professional and effective job.

Communication

This has been one of the major problems encountered during the implementation of the project. Adequate and timely communication was not sent to all college heads about the new initiatives being implemented. Some of the college principals were apprehensive and reluctant to allow observers and auditors to monitor the exam process.

Many of the valuation center heads were also reluctant to allow scanning personnel in starting the work of scanning the face sheet. Due to this some of the validation activities could not be done before results were announced. BU should inform well in advance all exam & valuation centers about the new initiatives so that similar problems are not faced for the coming exams.

CCTV

It was planned to install CCTV cameras in one or two colleges and all the valuation centers for the previous exam. Due to delay in finalization of tender and selection of vendor this activity could not be started. All vendors for the forth coming exam should be selected well in time to ensure smooth implementation of the reforms process.

Infrastructure & Space Constraints

Due to non availability of space the necessary infrastructure could not be installed on time. Indian CST control room started functioning only a day before the start of exams.



Computers, Printers and other equipment had to be arranged at short notice and necessary manpower recruited to ensure the smooth functioning of the control room. The control room is now fully operational and expected to handle the work more effectively for the next exam. Further as the project progressed Indian CST was given additional responsibilities that were not earlier planned leading to certain amount of inconvenience.

Data from BU

In the initial stages it was found that necessary data was not forthcoming from BU computer section due to their own system constraints. This was further aggravated due to use of different software by BU. Over a period of time these difficulties have been overcome and it is expected that BU will provide data in real time so that program implementation can be done smoothly.



Current Examination Process of BU

The processes for examination system have been derived as per the Examination Manual 1999-2000. No.SYN:S1:MISC:1999-2000 Effective from 1st July 1999. Complete details of each of above processes are given in the Examination Manual Based on these processes.

Checklists were prepared for various sub processes involved in the Examination Processes which are given below :-

- Answer Script Printing
- Question Paper Setting
- Question Paper Printing
- Distribution of Answer Scripts
- Distribution of Question Papers
- Conduct of Examination at various centers
- Delivery of Answer scripts to Evaluation centers
- Evaluation of Answer Scripts
- Consolidation of Marks
- Preparation of Marks Card and Uploading into BU Server
- Announcement of Results
- Challenge valuation
- Revaluation & Corrected results
- Issue of Certificates



Processes Not Covered Under Present Study

The following process could not be taken for study as these processes had already been completed by the time study was started for the May-June 2010 exams.

- Question Paper Setting
- Question Paper Printing
- Printing of answer scripts
- Distribution of Answer Scripts
- Selection of Examination Centers





Methodology Of Study

System Audit

Services of Integrated Quality Certification Pvt. Ltd. (IQC) were enlisted to help in carrying out an independent system study of the current examination and evaluation process to be conducted during May-June 2010.

IQC is an Independent Certification Body, established in 2003, for certifying Quality Management Systems. IQC has been accredited by NABCB and JAS-ANZ Accreditation bodies for certification of Quality Management Systems (www.iqcglobal.com).

IQC has certified 1800 + Organizations in the areas of Manufacturing, Educational Institutions, Government and Service sectors in India and abroad. IQC has a team of Qualified Auditors and Technical Experts to conduct system audit and reporting.

The following officials of IQC were engaged in the conduct of the system audit along with other Indian CST volunteers under the overall supervision of Shri R Sri Kumar, Founder Trustee, Indian CST.

- Ganesh Bhat
- BK Pai
- CSV Narendra
- S Madhusudan
- V Anil Kumar

Study Methodology

Criteria for this audit are derived from BU examination manual 1999-2000 No. SYN: S1: MISC: 1999-2000 effective from 1st July 1999

The manual has been studied in detail and checklists for each of the processes have been prepared to verify the implementation of the system at various location.

An audit of each of these processes to verify the proper implementation as per the guidelines given in the manual is termed as system audit of the examination process.



BU's examination system is made up of a number of individual sub-systems as defined in the examination manual. Each of the above sub systems are further broken up into individual processes or activities and defined in the manual.

The audit has been carried out by a team of experienced system auditors. These auditors have audit experience in different fields including educational institutions and are approved by International Registrar for Certified Auditors (IRCA), an independent body for approval of auditors.

Audit has mostly been carried out on a sampling basis. Sample size has been maintained around 25%. For some of the processes the audit has been carried out 100% as the population was small.

Audit has been carried out at individual locations and adequate time has been spent at each of the locations. Information has been gathered by interviewing the concerned personnel and also observing the process as it was carried out. All details have been recorded in the checklists and audit reports have been prepared for each process / activity / location. Some of the audit findings have also been discussed with the person in-charge at the specific location.

Audits observations are not against any individuals but lapses found in the implementation of the laid down system. Audit observations are to be used as pointers for improving the system by the individual process owners.

Indian CST System Audit Team members interacted with BU Examination staff members to understand complete details of the processes involved in conducting the exams. Indian CST System Audit team members studied the examination manual in detail and prepared the Checklist for assessing the various examination processes.

Examinations for Under Graduate courses were conducted at 143 centers. One observer each was deputed to each center to observe the entire examination control at each centre. Apart from this observer, qualified auditors assessed about 10% of the examination centers on sampling basis.

Examination Checklist was used by Indian CST team members including those volunteers' members from ITI and G4S services deputed by Indian CST to the various examination centers. Valuations were conducted at 07 Centers and Indian CST team members have covered all the Centers during the study.

Specimen of checklist is given below along with sample of observations recorded by the audit team members. The audit team has not covered autonomous colleges under BU where the examinations are conducted by the college themselves. These colleges may be taken up for study at a later date if BU so desires.

Process Study and Observations

Monitoring for Distribution of Question Papers

SL.No	Issues	Observations
1	Verification of ID of persons collecting Question papers.	Checking ID of person not carried out. Only letter from the Respective colleges were being checked.
2	Distribution of Question Papers for Outstation colleges.	Papers sent 3 days in advance to Government Colleges in each district and handed over on day of exam to respective exam centers. Not clear how security is ensured for storage of question papers.
3	Question Paper delivery on time.	It was observed that question papers reached exam center late resulting in delayed start of exam by 15 to 60 minutes.
4	Wrong Question Papers sent to exam centers.	Reports from observers indicate wrong question papers had been sent to the centers leading to considerable difficulty.

Monitoring At Examination Centers - For BU Exams May-June 2010

SL.No	Issues	Observations
1	Check question paper packet seal at the time of opening in the examination center.	Papers are sealed in brown paper sealed covehhhr and further sealed in vacuum sealed polythene cover. Possibility of pilferage very less.
2	Verify question paper packet is opened by chief superintendent of the examination center in Hpresence of Witnesses.	Opened by Chief. Superintendent in presence of invigilators.
3	Verify the papers are correct as per the examination timetable.	Checked by Deputy Chief Superintendent. Observed that some centers had shortage of question papers.
4	Verify question paper packet opened 30 minutes before start of examination. Verify Date, Time and signatures are put on the cover.	Being Done. Opened by Chief Superintendent.
5	Verify question papers are put into packets based on requirement of each room in the center.	Done by Chief Superintendent. Packets prepared room wise and kept ready.
6	Verify invigilators acknowledge the receipt of question paper packet. Answer paper Booklet and Additional sheets.	Done through attendance sheet. Also signs in register to acknowledge receipt.
7	Verify students enter examination room only after the first bell.	Students are allowed to enter rooms only 10 minutes before start of exam.
8	Verify invigilators open the question paper packet 5 minutes before start of examination.	Being followed. Invigilators enter the room 5 to 10 minutes before start of exam.
9	Verify answer papers are distributed 2/3 minutes before start of examination.	Being followed.
10	Verify they are distributed serial number wise to candidates present.	Difficult to ensure as at times as answer books received from university have different series of numbers.

11	Verify invigilators distribute the question papers after 2nd bell is sounded.	Being followed.
12	Verify student attendance is taken in each room at the start of examination.	Taken in attendance sheet in duplicate. Student hall ticket verified. Student ID card issued by college is also verified.
13	Verify serial number of answer book is entered in OMR sheet against the registration number of the student present.	Being done by invigilator.
14	Verify no student enters examination room after the 3rd bell is sounded. (30 minutes)	Being followed. No student allowed entering after 3rd bell.
15	Ensure no student leaves the exam room before 30 minutes of start of examination.	Being followed. Student allowed leaving only after 3rd bell. Answer booklet collected from student.
16	Verify invigilator ensures students do not carry any notes, books, Mobiles & electronic gadgets into examination room.	All bags, books etc. are kept outside the room. Surprise physical checks carried out. Mobiles are kept with invigilator.
17	Verify invigilator ensures there is no communication between students in the room.	Being followed.
18	In case of any mal-practice verify invigilator records the same and brings it to the notice of chief superintendent.	See details of each college at end of checklist.
19	In case of any discrepancy in question paper, verify invigilator brings it to the notice of chief superintendent.	No discrepancy observed.
20	Verify answer scripts are collected immediately after the closing bell.	Answer booklets are collected within 2/3 minutes of closing bell. All answer scripts were brought to CS room within 10 minutes after the close of exam.
21	Verify invigilator checks the answer paper for details like Name, Registration number, exam code etc. are filled up correctly.	Tallied by DCS/staff.
22	Verify invigilator tallies answer scripts as per attendance sheet.	Being done in CS room. Registration number & answer script number are tallied with numbers on attendance sheet. Absentees are marked clearly on OMR sheet.
23	Verify necessary details are filled up in the pre printed OMR sheets before 12 answer scripts are packed in each specified cover.	12 booklets are put in one packet along with OMR sheet and cover stapled.
24	Verify these covers are sealed properly as per university guidelines.	Being done.
25	Verify the covers carry all the necessary details like name of center, exam code, subject name, invigilators name & signature etc.	Details available on cover.
26	Verify these covers are properly checked and put in a cloth cover subject wise and sealed properly before dispatch to valuation center.	Being done. Cloth covers marked properly and marked with marker. Recorded in register.
27	Verify record is maintained of covers sent to valuation center.	Being maintained. Recorded in register and through copy of acknowledgement slip.
28	Check what is done to the extra question papers.	Kept with CS.
29	Verify extra answer scripts are locked up for use the next day.	Due to storage problem kept in CS room along with balance answer booklets.
30	Verify all answer booklets are accounted for and tallied correctly as per attendance sheet and OMR sheet.	Being done. Recorded in register.
31	Verify acknowledgement is obtained for answer scripts delivered to valuation center.	Being obtained.

Observations At Examination Centers by Auditors

Name of the College - MES College, Malleswaram

Date of Visit - 13-05-2010

Auditor - BK Pai

Room Invigilators and/ Superintendent of Exam are of opinion that warning/caution bell (4th) is 5 minutes before the exam end. But the particulars SL. No. 5 under the responsibility of Chief Superintendent states that 4th Bell should be made 10 minutes before the examination end.

The Bell provided is Electric and in case of power failure no alternative arrangement is available. For candidate with Reg. No. 09BGA41052, there was confusion for sometime regarding subject Sanskrit/Kannada the candidate has to write. The same was verified and resolved. There was no loss of time for the student.

One blind Student Mr. Shashank.J (Sanskrit) (09BGA41056) was a candidate for II Semester BA & Ms Soumyashree - Authorized by Principal to write exam for him. It was told that Ms Soumya is a II PU student and is known to the principal. However, Procedure/ Information & Authentication procedures to be defined and made clear. One hour extra time was allotted to this candidate.

Mr Ullas T - B.A. - Kannada (09BG400015) candidate with vision problem . An enlarged question paper was provided. Also 30 minutes extra time given to write the exam.

Ms Manju Darshini G - Kannada B.A. - 09BGA40005 - Talesemia Patient - Medical Report is said to have been verified by Principal and 30 minutes extra time was given.

Above 3 cases. Procedures and Intimation permission from University to be made clear.
Answer Scripts of Afternoon session dispatch arrangement by two wheeler vehicle observed.

Name of the College - MLA College

Date of Visit - 13-05-2010

Auditor - Madhusudhan

Question paper sealed cover opened 30 minutes before the exam, segregation of the same was found systematic and the distributions of question papers were found to be done after the 2nd bell.

Issuance of the Question paper - MIS subject under BCA course found 05 minutes late and students wanted extra 05 minutes which was extended more than 05 minutes.

Invigilator assigned for the MIS subject found to be from BCA faculty member.

Students of Malleswaram Government College were tagged to MLA college to write exams. Seating arrangements for the Students of Government College were made in 3 class rooms with their own college lecturers as invigilators. Initially 02 Invigilators were found in one room where 40 Students were Present. Seating arrangements not made uniformly, some classes were found to be over crowded with 40 whereas other rooms had were 15 students.

Bags, were found outside the class room, Mobiles were switched off and kept on Invigilators table.

After the examination in morning and evening sessions the answer scripts were brought within 15minutes to the examination room and the sorting and packing of the answer scripts were found carried out within 30minutes and delivery of the same to evaluation centers were arranged separately after each session .

It was observed that Malleswaram government college principal appointed as Chief Exam suptd for the MLA College exam center wherein his own college students are writing the examination. - Potential Conflict of Interest situation could arise.

Name of the College - Acharya Institute of Graduate Science

Date of Visit - 14-05-2010

Auditor - BK Pai

One student (06DYC10070) reported at 10.15 A.M was sent back by principal. (Room No - 003).

One student (08 PUC08098) was caught possessing some notes by the squad - After meeting with principal and the squad the student was sent out and not allowed to write the exam.

Extra Question papers and the answer sheets of the absentee students in possession of room invigilator to be collected back immediately after the 3rd bell (½ Hr after commencement of exam)

- Procedure and Guideline to be defined.

Question No 16(b) Computer Network II Paper RTACE or TRACE route printing mistake.

Name of the College - Govt. Science College

Date of Visit - 14-05-2010

Auditor - Madhusudhan & CSV Narendra

There was some confusion of seating arrangement of a few students due to holding of different languages paper exam at same time in one center. 2/3 students had to be sent to different rooms after exam bell had sounded.

In one answer script registration number was not written legibly leading to some confusion about the correct number.

Green colour additional sheets available in Chief superintendents room.

Name of the College - Maharani Women's Arts College

Date of Visit - 14-05-2010

Auditor - Madhusudhan & CSV Narendra

Around 1300 students taking exam here at this center. This puts quite a lot of pressure on invigilation staff and also staff who tally and pack the answer papers.

Students from Home Science College and (500) are tagged to this college.

BCA exam not shown in timetable for afternoon.1 Student had come and had to be accommodated at last moment.

Name of the College - City College

Date of Visit - 18-05-2010

Auditor - CSV Narendra

Few students had brought scientific calculator. These were disallowed by invigilators leading to some discomfort for the students.

Physical check carried out in all rooms to check if students were carrying any unauthorized material.

In room 3 one student (09JQC11051) was caught for having matter written on his palm. His answer papers and hall ticket were taken and handed over to principal/chief Superintendent.

In room 6 one student (08N6A20018) was caught with 4 sheets of written matter in his pocket. Student belongs to first grade government college, Yedyur. His answer script, hall ticket and the written sheets were seized and student was taken to principal. He was told that he would not be allowed to take any further papers during the current exam process.

Name of the College - Aurobindo First Grade College for Women

Date of Visit - 15-05-2010

Auditor - BK Pai

One responsible person from each of the college (which is tagged with the Examination center)to be present to resolve last minute admission tickets issues/ Clarifications to avoid overburdening the examination center.

Even handwritten/ Corrected /Errors in subjects clarifications and confirmations accepted from other college like Gautam , Navia, Amita , Anupama, Westend Mandovi colleges so that inconvenience to their students is minimized.

Exam duty staff to be properly identified with badges (Identification).

First ½ hr siren to be properly given and not to allow any students to enter exam room after this.

Two students with registration numbers 09YNSB 5007 and 09 YNSB 5006 were found to have booklets with same serial

number 156769. This was noticed by Room Invigilator while entering the OMR Sheets. Both were cancelled & handed over to Chief Superintendent (10.30AM). Two separate answer booklets were given to the students and allowed to write exam from 10.30AM to 1.30pm.

Reliever's arrangement was not made for the Room Invigilators. It was reported that 02 Invigilators from different colleges were absent. However with request to Chief Superintendent / Principal, temporarily Librarian was called to relieve invigilators wherever required.

Invigilators are inadequate - should be 3:1 or 4:1.

Cutting/drilling/ Heavy work was going on in the neighboring compound throughout the examination time disturbing all the students.

Name of the College - Pushpagiri College

Date of Visit - 18-05-2010

Auditor - LN Narayanan

This college/centre is situated in out of the way place. It was visited along with Shri Pradeep.

Only 44 students were appearing from this centre on that day. It was noted that of the students appeared 14 had finished the exam (writing from one of the rooms) and the room itself was closed whereas from the other room hardly a few had completed the exam by 12 noon when we visited.

Question paper covers also were not signed and witnessed when opened.

Unused answer sheets are reported to be returned and not used.

At the same time University squad also visited the centre. No malpractices were noted.

Name of the College - CRM Group College

Date of Visit - 19-05-2010

Auditor - LN Narayanan

On the same day evening, CRM Group College (Management College) was visited. The College is situated nearby but only one exam with 2 students was going on and not much to observe. However the college is now autonomous and the exams were going on for which the guidelines of the university only are being followed.

Name of the College - AMC College

Date of Visit - 20-05-2010

Auditor - LN Narayanan

Visited AMC at Bannerghatta in the afternoon session.

Here again the guidelines are followed scrupulously including keeping the number of candidates per room to manageable level.

However a case of Malpractice was observed and the student was reported to University through the Principal.

Name of the College - Sri Bhagwan Mahaveer Jain College

Date of Visit - 20-05-2010

Auditor - CSV Narendra

Exam conducted in 11 rooms. Average 32 students per room.

Total students today - 348 14 invigilation staff available.

No case of question paper shortage reported. No case of wrong question paper reported.
Answer papers are stored in physics lab. Papers are distributed daily from this place. Found answer papers having orange colour top sheet along with answer papers of magenta colour top sheets.

Few cases of students having scientific calculators were reported. These were not allowed to be used.

All answer books of morning exam were sent to valuation center at 1PM

No case of malpractice was reported.

Procedures as per BU are being followed.

Name of the College - VV Puram College

Date of Visit - 21-05-2010

Auditor - CSV Narendra

Exam conducted in 5 rooms. 179 students. 4th semester financial management paper.

5 invigilation staff plus 1 reliever.

No case of malpractice noticed.

Answer books sent to evaluation center at 12-55PM.

BU procedure followed.

Name of the College - Sri Bhagwan Mahaveer Jain College, JC Road

Date of Visit - 24-05-2010

Auditor - CSV Narendra

Exam conducted in 20 rooms. In room 611, 52 students allotted. 2 invigilators assigned for this room.

BU procedures followed for distribution of answer scripts and question papers.
Average around 40 students per room.

One girl student from room 612 and one boy student from room 508 allowed going to toilet without any person accompanying them.

Answer scripts dispatched to valuation centers at 01-30PM.

It was observed that some of the invigilators are not writing the answer book serial numbers legibly in OMR sheet leading to some confusion during verification after close of exam.

Name of the College - Sree Venkateshwara Fr. Gr. College, Madiwala

Date of Visit - 28-05-2010

Auditor - CSV Narendra

A visit was made on 27/05 as per the exam schedule but the Center informed that there was no exam on that day. No staff member was present in the college. Again a visit was made on 28/05 to this center.
Center code 143. 4th semester exam were scheduled for the day. Subject Computer application in business.

BU procedure followed for distribution of answer scripts and question papers.
Exams conducted in 4 rooms. Total 120 students scheduled to take the exam.
Total absentees were 34.

1 person allowed to take the exam at 10-20 AM with the permission of the principal.
BU squad also had come for checking.

Name of the College - Presidency College

Date of Visit - 28-05-2010

Auditor - LN Narayanan

This college/centre was visited in the morning session. All systems were followed.
Number of candidates in few rooms is very high. However two invigilators were provided in those rooms.

Unused answer sheets are not used.

Name of the College - Acharya College

Date of Visit - 25-06-2010

Auditor - BK Pai

Chief Superintendent Ms Feroz Begum, Principal, Acharya College of Education.

Paper - Education in Emerging India. - DS 1647. 10.00 a.m. to 2.00 p.m.

Acharaya College, Stephen College & GMCollege 201 Scheduled. 20 Absent.

It is reported that O.M.R. Sheets were issued late in the evening at 6.30 p.m. on 24.06.2010 and received in the night 24.06.2010.

Exam Related staff identification and badge is not there. However all the exam rooms were on the second floor and hence movement of others was not observed.

One Handicapped Lady came climbing with both the crutches upto first floor. Immediately special arrangement was made on the first floor itself for today. Chief Suptdt has promised to make arrangement on the ground floor itself for her from tomorrow. Special Identification may be made in the hall ticket and the seat arrangement made to avoid inconvenience in such cases.

Answer Script numbers printing found very bad today with inappropriate printing. 0,3,6,8 & 9 were looking like 3,8 and a lot of confusion in the serial numbers found.

Questions 3 (c) and 6 both having 5 marks each were found repeated (the same).

Printing mistakes in the Question Paper.

- “Maxims” is wrongly printed as “Maximums” in Q. NO. 4) a), b), and c).
- Q.No. 20.” Prepare an individual” is wrongly printed as” Prepare and individual”.

Plain Invigilators Diary without lines resulted in entries of Reg. No., Signatures and Answer Scripts not in alignment.

B.Ed examinations

Name of the College - R.V.Teachers College

Date of Visit - 25-06-2010

Auditor - CSV Narendra

System audit report

Attached colleges - Kamala Nehru college of Education and Srinidhi college of Education.

Subject code - SM-470

Principal - Mr S Bhaskara. Chief Superintendent - Ms Bharati.

Number of students taking exam - 143.

Number of rooms - 5

Booklets Number - 1604001 to 1604144

Record maintained of booklets issued to each room.

Process as given in exam manual followed.

Students absent - 2

Students from attached colleges put in room 1,2,3. Students of RV put in room 4,5.

Invigilators from RV put in rooms 1,2,3. Invigilators from attached colleges put in room 4,5.

All answer scripts tallied with OMR sheet before packing.

Packets put into 2 cloth bags.

Sent to Sree Sarvajna College of Education, Vijaynagar.

No untoward incident noticed or reported. Exam went off smoothly.

Name of the College - Vijaya Teachers College

Date of Visit - 26-06-2010

Auditor - CSV Narendra

System audit report

Attached colleges - K.K.College of Education, Rajeev Gandhi College of Education, Sri Venkateshwara College Of Education, Frank College of Education.

Subject code - SM-471 - CCM of teaching Kannada.

SM-472 - CCM of teaching English

SM-473 - CCM of teaching Hindi

SM-474 - CCM of teaching Sanskrit

SM-475 - CCM of teaching Urdu

Principal - Prof. D.Hemalatha.. Dy. Superintendent - Dr.G.Vijayakumari.

Number of students taking exam - 238

Number of rooms - 9

Record maintained of booklets issued to each room.

Process as given in exam manual followed.

Students absent - 29

Students from attached colleges put in room in different rooms subject wise. Students of RV put in 2 rooms .

Invigilators from RV put in rooms of other students Invigilators from attached colleges put in room with RV students.

One student found with chits in pocket by BU squad. Removed from exam room. His answer booklet sent separately to valuation center with appropriate markings.

In room9, 8 blind students taking the exam. All provided with another person to write the exam.

They are also given half hour extra to finish the exam.

All answer scripts tallied with OMR sheet before packing.

Packed in 19 packets.

Packets put into 5 cloth bags. Sent to Sree Sarvajna College of Education, Vijaynagar.
No other untoward incident noticed or reported. Exam went off smoothly.

Name of the College - BES College of Education

Date of Visit - 28-06-2010

Auditor - CSV Narendra

System audit report

Attached colleges - Sri Vidya B.Ed College. Srinidhi College of Education.
Subject code - SM-481 - Fundamentals of Educational Psychology
Principal - Prof.SM Shambulinge Gowda; Deputy Superintendent - Mrs Sarojamma.

Number of students taking exam - 120

Number of rooms - 4

Record maintained of booklets issued to each room.

Process as given in exam manual followed.

Students absent - 9

Students from attached colleges put in different room.

Invigilators from BES put in rooms of other students Invigilators from attached colleges put in room with BES students.

All answer scripts tallied with OMR sheet before packing.

Packed in 10 packets.

Packets put into 1 cloth bags. Sent to Sree Sarvajna College of Education, Vijaynagar.

No untoward incident noticed or reported. Exam went off smoothly.

Name of the College - JSS College of Education

Date of Visit - 29-06-2010

Auditor - CSV Narendra

System audit report

Attached colleges -Quality Health Care College of Education, Oxford college of Education, Capital Teachers College, Shantineketan BEd. College

Subject code - SM-479 - CCM of teaching Physics

SM-480 --CCM of teaching Geography

Principal - Nanjundaswamy.K.S.

Number of students taking exam - 72. (Physics 38, Geography 34)

Number of rooms - 2

Record maintained of booklets issued to each room.

Process as given in exam manual followed.

Students absent - 18

All students put in one hall with 2 invigilators.

There was confusion in geography paper about how many questions to answer. This was cleared up quickly.

Hall ticket and student college ID card verified. No malpractice observed.

One person from BU checking squad permanently posted in this college. These persons are rotated on daily basis.

All answer scripts tallied with OMR sheet before packing.

Packed in 07 packets.

Packets put into 2 cloth bags. Sent to Sree Sarvajna College of Education, Vijaynagar.

No untoward incident noticed or reported. Exam went off smoothly.

Name of the College - Al. Ameen College of Education

Date of Visit - 30-06-2010

Auditor - CSV Narendra

System audit report

Attached colleges - Universal College of Education, Dayananda Sagar College of Education, Krupanidhi College of Education, CMA College of Education.

Subject code - SM-476 - CCM of Teaching Social Science / History & Civics.

SM-477 - CCM of teaching Biosciences

SM-478 --CCM of teaching Mathematics

Principal - Prof. K.Ramesh. Dy.Suptd - Dr.Praveen Taj.

Number of students taking exam - 233. (History 143, Biosciences 45, Mathematics 45)

Number of rooms - 8

Record maintained of booklets issued to each room.

Process as given in exam manual followed.

Students absent - 36.

Some of the absentees are students who have cleared the subject last time but name included in the list of students sent by BU. Some confusion seen in distribution of question papers as seating arrangements of a few students shifted to a different room at the last minute. ID cards and hall ticket cross checked for identification. Admission registers not available to confirm the identity.

All answer scripts tallied with OMR sheet before packing.

Packed in 22 packets.

Packets put into 3 cloth bags. Sent to Sree Sarvajna College of Education, Vijaynagar.

No untoward incident noticed or reported. Exam went off smoothly.

Name of the College - Vivekananda College

Date of Visit - 29-06-2010

Auditor - Anil Kumar V

Exam - CCM of Teaching: Physics & Geography

Chief SUPTDT - Mr DG Srinivasamurthy, Principal, Vivekananda College of Education (B.Ed).

Invigilators: Mr Basavaraj (History Lecturer, Room # 01) & Mr. Byrappa (Kannada Lecturer, Room # 02).

Sitting Squad: Mr. Surpur Kotresh, KLE college

Replacement / Releiver: Mr. Ramesh, Vivekananda college

Other Collges tagged to Vivekananda College Exam Centre:

- Sutharia
- Archana
- Ameetha

Total Students: 51

Two rooms (Room # 01 • 123 & Room # 02 • 124) arranged with each having 26 and 25 students respectively.

Students Present: 45

Students Absent: 06 (03 students in each room)

Verification of students IDs, registration number photographs done by invigilator Thorough check up of individuals (boys) done to check for any chits / papers being carried into exam hall Absentee's numbers noted and also left out answer script documented. However, in room # 02, only one left out answer script number was noted (1937745). Other two (1937708 & 1937639) answer scripts were sent back to chief superintend office. On indicating the same, the same was written down after confirming the answer script numbers.

Answers scripts returned were accounted and taken up for the following day's exam.

There was an ambiguity in instruction of the Question paper of Geography which stated 'answer any eight questions'. However it was supposed to be 'answer 5 questions between Q. # 6 to 13 and 3 questions between Q # 14 to 18' This was however communicated from the university in-charge to Chief Superintendent and accordingly communicated to all students.

Examination squad visited and had a detailed check-up. However during investigation, it was brought to notice regarding a full size A4 sheet having Psychology answers written lying outside the exam hall (put outside by invigilator & squad before start of the exam), for which the exams were held previous day (28.06.10). Matter was taken with Principal/ Chief Superintendent.

Admission Registers of the above colleges were scrutinized and found in some cases, photos of the students were missing or signature of the students were not there or photos were pasted on the signature, which was objecting the signature verification of the candidates.

All answer scripts were segregated and tallied with OMR sheets and packed into cover after getting the initials of Chief Superintendent. Same was packed in cloth cover and sealed before dispatch. However the whole process took more time and was delayed as the examination squad was sitting and discussing with Principal / Chief Superintendent regarding the chit which was identified outside the exam hall.

Name of the College - Rajajinagar College

Date of Visit - 30.06.2010

Auditor - Anil Kumar V

Exam - CCM of Teaching: Mathematics, Biology, History & Civics
Chief SUPTDT - Mr M Nagaraj, Principal, Rajajinagar College (B.Ed)
Invigilators: 09 Members
Sitting Squad: Mr Mani, IndianCST
Replacement / Reliever: Mrs. Asha, Dy. Chief Suptd.
Other Colleges tagged to Vivekananda College Exam Centre:

- Archana
- M & M college
- SVN

Total Students: 307

Two rooms: 09 (03 • First floor, 02 • second floor, 04 • third floor)

Students Present: 228

Students Absent: 79

Feedback from one of the tagged college that OMR sheets have been issued for students who have not paid examination fees (approximately around 27 students). However all such students didn't turn up for the exam. Registration number series of the above students is as below.

- a) 08MXD05006 To 08MXD050076
- b) 08RQD05006, 9,11, 15,16, 30

One student (appearing for HISTORY) registration number put up in notice board under room # 03, however there was no number in the room. Later on accommodated in room # 06 (in place of absentee).

Three registration numbers (for Biology) accommodated before exams in room # 09. OMR sheets were not received from university. Blank OMR sheets used instead.

Invigilators little bit lenient in couple of rooms and used to be outside in the corridor which was giving an opportunity for students to look around and this was brought to the notice of the respective invigilator.

Answer scripts were collected on dot and segregated subject wise and packed as per university guidelines. Covers sealed, packed in cloth cover which was stitched and dispatched.

Name of the College - St.Pauls College

Date of Visit - 01.07.2010

Auditor - S Madhusudhan

System audit report

Exam - CCM of Teaching: Chemistry -10.30 AM to 1.30 PM

Chief Superintendent -Ms Nandini, Principal, St.Pauls College (B.Ed)

Invigilators: 01 Member - Ms Bharathi

Sitting Squad: Mr Hanumantha Prasad, Indian CST

Other Colleges tagged to Vivekananda College Exam Centre:

- BRV
- Harshavardhana
- United college

Total Students: 30

Rooms: 01

Students Present: 21

Students Absent: 09

IndianCST Squad Mr. Vivek and Mr. Pradeep visited and checked all the Students identification and found ok.

04 member Squad team from University caught hold of Mr.Laxman Mishra (RegNo-09UED05092 and Answer Script No 1051625) of St.Pauls college for copying from chits.

Answer scripts were collected on dot and segregated as per the OMR sheet and packed as per university guidelines. Covers sealed, packed in cloth cover which was stitched and dispatched.

Name of the College - New Horizon College

Date of Visit - 26-06-2010

Auditor - BK Pai

Prof. Roopamala. R. Koneri. -Chief Superintendent.

Ms. Baby Margarate, ITI Staff has not reported today.—ICST 292

The attached colleges are .

a) New horizon College.	SUBJECTS/ PAPERS
b) SCT College.	Kannada, English, Hindi.
c) Miranda College.	
d) MVJ College.	

It is observed that the lecturers teaching the same subject are invigilators in two cases.

e.g. R. No. 02. Mr. V.S. HIREMATH - Kannada lecturer.- Miranda College.

R. No. 01. Ms. Shashikala. -Kannada lecturer - New Horizon College

But the students were from other colleges.

No other deviation was observed.

Name of the College - KLE College of Education

Date of Visit - 28-06-2010

Auditor - BK Pai

Dr. Palanethra L. - Principal was on leave.

Dr. Rudra Mahesh - Acting Superintendent.

Lack of Classroom/ Hall infrastructure of B. Ed. College.

On previous two days of exam i.e. 25th & 26th exams were held in D & E. BLOCKS first, second & third floors of SISTER COLLEGE IN THE SAME PREMISES.

But today since P.U. Supplementary exams were being held, the students of D BLOCK were shifted to fifth floor of the SCHOOL building in the same premises which was not properly communicated to the students nor there was any proper guidance at the entrance.

This resulted in lot of confusion to many students at the beginning and the students were desperately searching for their rooms and the numbers allotted.

To add to this, the notice board at the gate did not display the student numbers of E21, E22 Rooms.

One of the Invigilators Mr. LINGARAJU, Mother Teresa School did not report for invigilation and did not inform also. - This resulted in last moment adjustment of reliever staff for the same.

There is no lift arrangement

One of the student was a patient of NIMHANS Hospital. He started vomiting nearly at the end of one hour. Slowly he recovered, drank some water and then continued writing. There is no relative or caretaker nearby. He should be made to be accompanied by someone relative who may sit outside the hall for any case of emergency. However after another 15 minutes he left the exam hall. Total 1 hour 30 minutes. (Register Number 09 G3 DO 5074)

No other deviation was observed.

Name of the College - PES College of Education

Date of Visit - 26-06-2010

Auditor - Madhusudhan

Attached colleges - K.I.E.T. and Anugraha College

Subject code - SM-471 - CCM of teaching Kannada.

SM-472 - CCM of teaching English

SM-473 - CCM of teaching Hindi

SM-474 - CCM of teaching Sanskrit

Principal & Chief Superintendent - Prof . Anantha Subba Rao.

3 separate invigilators for 3 exam rooms .

1 Sitting Squad Mr. Ravi Kumar present from 10 .00 am to 2.30pm

Number of students taking exam - 117 (K- 31 + E- 44 + H - 41 + S - 01)

Students absent - 29(K - 01 + E - 20+ H - 07 + S - 01)

Number of rooms - 3

Record maintained of booklets issued to each room.

Process as given in exam manual followed.

Problem related to Method Change occurred for 2 students and Wrong Registration number of 01 Repeater.

Errors done by K.I.E.T college (Tagged college) left the exam center Chief Superintendent in trouble to allow the students to take exam.

a) Sandeep Sah - Name and the Registration number wrongly in letter sent to BU and the Exam center.

Name - Wrongly written as SAMDEEP SAJ for SANDEEP SAH and

Register No - Wrongly written as 09H5D05068 for 09H5D05035

Method approved by BU is English - Geography

College sought change - Hindi - Geography.

It took 45 mins for Principal to confirm the candidate number and name and then allowed him to write exam from 11.15am to 1.45pm

b) Pinki Kumari - Registration Number wrongly Written as 09H5D05069 , but the approved list of BU states as 09HD05059.

c) Sumitra Deva Priya(Repeater) - Registration Number 08H5D05056 wrongly written as 08H5D05061 in admission ticket. College staff referred 1008-09 approved list given by BU and allowed to student to write the exam.

02 Invigilators from Anugraha college and 01 from P.E.S College were in 3 Exam rooms each.

All answer scripts tallied with OMR sheet before packing.

Packets put into 3 cloth bags + 1 Sealed cover

Sent to Sree Sarvajna College of Education, Vijaynagar.

No untoward incident noticed or reported. Exam went off smoothly.

Name of the College - Cauvery College. Sahakaranagar

Date of Visit - 26-06-2010

Auditor - Ganesh Bhat

Attached colleges - Impact College, Maharshi Savitha College, Shiksha Sagar College, Diana College, Mother Theresa College & Auckland College

Subject code - SM -471 - CCM of teaching Kannada.

SM -472 - CCM of teaching English

SM -473 - CCM of teaching Hindi

SM -475 - CCM of teaching Urdu

Principal & Chief Superintendent - Dr. Rajesh.

Deputy Chief Superintendent - Mr. Bindu Kumar

Exam is conducted in total 08 rooms. 08 invigilators and 03 relievers were deputed. Majority of the invigilators are from Cauvery College only.

Exam rooms are marked for identification. ID cards and hall tickets are checked in the main entrance itself and belongings of the students are kept outside the entrance. Exam bells are followed as per the guideline. Attendance of the invigilators are obtained and signature taken for issuing the answer scripts. Register numbers are noted on the board in each numbers based on the allotment. Question paper is opened by Chief Superintendent at 10.15 AM and required number of papers is sealed in individual covers based on the room allotment and handed over to invigilators at 10.25 AM.

It is observed that Sanskrit papers also provided to this college even though there is no student writing this subject in this center.

Each room maximum of 24 students is allotted.

Number of students taking exam - 188 (K- 67 + E- 77 + H - 34 + U - 10)

Students absent - 38 (K - 07 + E - 17+ H - 14 + U - 00)

Record is maintained for booklets issued to each room. Process as given in exam manual followed.

Problem related to Method Change occurred for 1 student with register number 09 CLD 08024 Sunil Kumar. As per OMR the subject is English and as per hall ticket it is Hindi. Student is allowed to sit for exam for Hindi after communication with Tagged College, Diana College. However no proof from College is obtained before allow him to sit for the exam.

There was confusion from students regarding the register numbers mainly coding and they were sitting in different places rather than allotted place. By the time this was identified, invigilators diary and OMR sheet is completed and it has forced the invigilators to change their diary and pre-printed OMR sheets. Method change has also forced the change. A separate OMR was prepared and sent along with Answer script.

No case of malpractice observed on this day. ICST observer Mr. Ravindra was present. It was reported that previous day a case is found and necessary actions were initiated. Squad is also visited during the examination.

All answer scripts tallied with OMR sheet before packing and OMR and invigilators diary were corrected based on the above observations.

Packets put into cloth bags which are Sealed.

Sent to Sree Sarvajna College of Education, Vijaynagar.

PG - Examination

Name of the College - Vivekananda College

Date of Visit - 16.06.2010

Auditor - BK Pai

System audit report

Exam - Marketing Management MBA., Second Semester. (02.00pm to 05.00pm)

Director: Dr. T.R. Shanmugam

Ms Anuradha , HOD Economics.

Exams were conducted in 5 Rooms.

3 Rooms x 30 students each & 1 x29 students of Vivekananda College.

1 Room with 30 students of Aishwarya College. (2 WERE ABSENT)

No abnormality/deviation was observed.

M.A / M.Com Correspondence Course Examination

Name of the College - Government Arts College

Date of Visit - 30-07-2010

Auditor - CSV Narendra

System audit report

Exam - Second year MA(English). 2PM to 5PM

Subject code - JP-018 Paper 8 European Literature.

Principal - Prof. R Srinivasa. Room superintendent - Mr K Narshimaraja.

Number of students taking exam - 94 in one hall. 3 invigilators in the room.

Record maintained of booklets issued to each room.

Students absent - 18

Question papers arrived late resulting in the exams starting a few minutes late.

ID cards and hall ticket cross checked for identification. Few students were not having university admission card. Identity verified with other document like license etc after taking permission of BU squad.

Answer scripts packed in 1 packet.

Packet put into 1 cloth bag. Sent to Jnana Bharati campus.

No incident of malpractice noticed or reported. Exam went off smoothly.

Name of the College - Osteen College

Date of Visit - 31-07-2010

Auditor - CSV Narendra

System audit report

Exam - First year MA. & First year M.Com 2PM to 5PM

Subject code - MA JP-003 Kannada Sahitya Adhyayanaada Sadana Samagrogaha.

M.Com JP-121 Entrepreneurship Development.

Exam superintendent - Mr Harish.

Number of students taking exam - Approx 1400. 3 large Halls & 4 Rooms.

Record maintained of booklets issued to each invigilator.

Question papers arrived late resulting in the exams starting a few minutes late.

Confusion seen in seating arrangements as some students were not clearly aware of their seating location and were sitting in wrong location. Shifted to correct location.

ID cards and hall ticket cross checked for identification. Many students were not having university admission card. Identity verified with other document like license etc after taking permission of BU squad. Some students who were not having any other identification were allowed to continue writing the exam after warning by BU squad.

Answer scripts packed in 28 packets 14 cloth bags.

MA packets sent to Dr. A.K. Wodeyar at Jnana Bharati campus.

M.Com packets sent to Mr. Muninarayanappa at Dept of Mathematics, Central College.

1 incident of malpractice noticed by BU squad. Student sent off. Otherwise Exam went off smoothly.

Concerns

Due to large number of students taking the exam seating arrangement in 3 halls was very tight. Dining tables used in marriage halls were used for writing the exam. 3 students per table were seated making it inconvenient for the students. However it was ensured that the middle student was taking a different subject to avoid any malpractice.

Due to this seating arrangement taking the signatures on attendance sheets also took a long time to complete.

Many students not aware of requirement of university admission card. Hall ticket available with students also not clears on this point.

Some students were observed continuing to write even after the closing time bell had rung .

Monitoring At Valuation Centers

SL. No.	Checkpoint	Observation
1	Does evaluation center custodian have list of examination centers from where answer scripts are to be received?	Yes. List available.
2	Does evaluation center custodian have details of subjects and course for which answer scripts are to be received?	Yes. Each center allotted one course. List of subjects for that course available.
3	Does evaluation center custodian confirm that answer script bundles are received the same day as exam is conducted? (local colleges)	Done by recording receipt of answer scripts in register.
4	Does the custodian verify the identity of the person delivering the answer scripts?	Only acknowledged. Identity not verified.
5	Are answer script bundles from outstation colleges received within 3 days of date of conduct of exam?	Received through speed post / courier.
6	Is receipt of answer script bundles recorded in a register serial wise as they are received?	Yes. Serial number of receipt, number of packets and college code recorded.
7	In case answer script bundle is not received, has custodian contacted exam center?	No such case recorded.
8	Is the delay in receipt recorded in a register?	No.
9	Are the bundles arranged serially / subject wise / date wise?	Yes.
10	Are there adequate storage racks / cupboards for storing the answer scripts safely?	Stored on the floor in a separate room.
11	Are the bundles verified for damages that may occur in transit?	Yes. If damaged, recorded in register.
12	Is it ensured that the invigilators dairy also received along with answer script bundles?	Yes.
13	Verify how coding of answer script bundles are done.	Serial number of receipt, number of packets and college code recorded.
14	Does custodian have list of valuator as prepared by Registrar evaluations?	Yes.
15	Has custodian intimated / informed the valuator, reviewers & their respective colleges?	Done through letter and through respective college principals.
16	Does custodian have the scheme of evaluation from the COE / Paper setter?	Yes. Most of the times the paper setter is present on the first day to explain the details of marks to be given.
17	What is the condition of the brown paper packets when opened from the cloth cover?	Condition of brown paper packets is very poor. Most of them are torn / damaged in handling or transit.
18	How are answer script packets handed over to the valuator?	Each group of valuator are handed over 4 packets of answer scripts.
19	Is a record kept of the answer scripts handed over to each team of valuator? (4 valuator & 1 reviewer)	Each packet is numbered and this number is recorded in register when handing over the packets to valuator.
20	Is it ensured that only 4 packets at a time are handed over to the valuation team?	Yes. Packets handed room wise to room supervisor. He in turn hands over packets to individual valuator.
21	Does the evaluation start on time and end on time?	No.
22	Does the custodian ensure that valuator do not evaluate answer scripts from their own college?	Yes. Room supervisor monitors this .
23	Does the valuator verify the registration number and booklet number before starting the evaluation of the answer script?	Not done uniformly by all valuator.

24	Do evaluators spend adequate time to evaluate each answer script?	Not done by all evaluators. Observed some evaluators coming late or going early.
25	Do evaluators ensure that no sheets get detached from the answer script?	Yes.
26	Do the custodian / reviewer ensure that each evaluator does not evaluate more than 24 scripts a day?	Yes in most cases. If some booklets are pending they are completed next day.
27	Do the reviewer / custodian record the number of answer scripts completed by each evaluator?	Yes. In their daily workbook.
28	Are the OMR sheets properly marked by the valuator?	By and large yes. Few cases observed where valuator has forgotten to shade the marks on the OMR sheet.
29	If OMR sheets are corrected due to any reason are they authorized properly?	Done by Chief superintendent of valuation center.
30	Do the valuator / reviewer sign the OMR sheet after marking them and completing all scripts as per the sheet?	Yes.
31	Does custodian verify the OMR sheets on receipt after valuation?	Not in all cases.
32	Is the custodian sending daily report on the progress of the valuation?	OMR sheets sent to university on daily basis.
33	Does the custodian maintain a daily record of packets evaluated?	Yes.
34	Does the custodian maintain a record of completed OMR sheets sent to university?	Yes. Acknowledgement taken from person who has come to collect the OMR sheets.
35	Do valuator report on time to evaluation center?	All valuator do not come on time. Many valuator leave once they have completed their 2 packets for the day.
36	Do valuator sign the attendance register in the morning and afternoon?	Not done at all valuation centers.
37	Is any guideline available about what a valuator can carry into the valuation room?	Yes.
38	Have the evaluators been instructed on the method of shading and filling the OMR sheet / top sheet?	Yes.
39	In case of a mistake during shading or filling is valuator aware what is to be done to correct the same?	All are not aware.
40	Is it ensured that evaluator does not evaluate answer scripts which is not his subject / area of specialization?	Yes.
41	Does the valuator verify the registration number and quantity of answer scripts match those shown on OMR sheet / top of cover?	Yes. Mistakes are brought to the notice of Chief Superintendent of valuation center.
42	To whom does the valuator report any discrepancy in the OMR sheet / answer script numbers?	Chief superintendent of valuation center.
43	Does the valuator enter the marks awarded to each question on the top sheet of the answer script?	Yes.
44	Does the valuator enter the marks awarded to each answer script in the OMR sheet?	By and large yes. Few cases seen where valuator had not marked OMR sheet.
45	Does the valuator report any malpractice noticed in the answer scripts?	No such case seen.
46	Is the correct colour of ball pen used to mark top sheet / OMR sheet?	Yes
47	Do the reviewer / custodian ensure that the OMR sheet is correctly shaded with reference to marks recorded on the top sheet of answer script?	By and large yes.

48	Are the answer scripts put back into the cover in serial order?	Yes.
49	Is it ensured that valuator do not use mobile phones inside the valuation room?	Yes.
50	Does the valuator verify that all answers have been marked before filling up the top sheet?	Yes.
51	Does the reviewer reviews at least 15% to 20% of answer scripts each day?	Yes.
52	Do the valuers / reviewer verify that totaling of marks have been done correctly?	Done in most cases. However a few incidents of not having done this noticed.
53	Does the valuation center have Deputy custodian & assistant custodians?	Yes.
54	Is adequate staff available to cross verify the OMR sheets submitted by valuator before they are sent to university?	No
55	Is there adequate security staff available at the valuation centers?	No security staff seen.
56	Does the custodian verify the identity of the persons who come to carry out the valuation work? (College ID card / letter etc.)	Yes. Letter from college principal verified.
57	Is a peaceful and calm atmosphere provided to the valuator to carry out the valuation work?	Yes.
58	Does the custodian ensure that outsiders do not disturb the valuator during the valuation process?	Not in all the centers.
60	Does the custodian monitor all the rooms where valuation work is being carried out?	Mostly yes.
61	What action does custodian take if valuation work is left incomplete at the end of the day?	Scripts are received back as incomplete. Kept separately and handed back next day to be completed.
62	How answer scripts stored till the time period for challenge evaluation is completed? (Identification / traceability).	Kept in separate room serial number wise.
63	Is it ensured that there no loose paper in the evaluation room after completion of evaluation for the day?	Yes. All rooms are checked at the close of valuation each day. Deputy custodian locks the room.

Observations At Valuation Centers by Auditors

Name of the College - SRri Jagadguru Renukacharya College

Date of Visit - 24-05-2010

Auditor - BK Pai

Custodian - Mr Shiddananda

Staff transferred is not updated. Hence attendance is not as per the list.

Change letter is not brought - Orally accepted.

Change/ Substitute is not authorized?

The center is common to valuation and receiving answer scripts on the day. The custodian does not ensure the center is always under authorized custody and leaves the center to junior level staff with all the things accessible to them. E.g. 6.00 p.m. to 7.15 p.m. when he left for a meeting.

It is not clear whether the Answer Script Number is 6 digits/ or 7 digits?

Invigilators diary is not positively sent with the bundle. Custodian has to accept and follow up the next day to get the same.

Name of the College - Al Ameen College

Date of Visit - 26-05-2010

Auditor - BK Pai

Since this was a center for exams also, it was visited while closing the answer scripts of morning session. The following observation was made.

The OMR Sheet showed the candidate as absent and No Answer booklet was issued,

The invigilators diary showed him as absent, Candidates signature was not available in the Invigilator's diary. The invigilator was having one extra script as against the two absentees he had recorded.

He could not explain nor he could confirm whether one or two were absent in his room

Reg. No.05 AFC 100041 - Answer Booklet number 936891.

In the afternoon session for the paper Bio technology, VIII, although there were only 19 candidates, and there were 20 benches, instead of accommodating one in each bench, changed to last minute two in each bench, keeping the other benches empty.

Name of the College - R.C College

Date of Visit - 03-06-2010

Auditor - BK Pai

Prof. H.K. Kumarraj - Principal, -- Custodian

Many Packets were found lying incomplete either due to reviewer not signed or incomplete valuations. e.g. Ba. Number 30. - 10 packets.

775/10, 774/10, 867/12, 477/12 (29/5), 868/12, 865/12, 776/12, 773/10, 866/12, 462/11 (29/5).

It is not clear as to how 29/5 issued packets can remain incomplete as late as 03/06 .whereas all the packets issued on 31/05 and 01/06 are cleared. Also 4 Packets were issued on forenoon (02/06) kept pending. However 4 Packets were further issued in the afternoon (02/06) session.

Again 2 Packets were issued in the morning (03/06).

(804/11 & 807/11) to 2 evaluators present . Cleared all the previous pending and kept pending 4 Packets (872/12, 873/12, 874/12, 875/12) which were issued in the afternoon session. And left for the day AT 3.10 pm.

It is reported that the previous semester answer scripts are still lying in the custody of the college stacked in the college Hall, because of which the hall could not be made available for the present valuation works. And the same has to be done in 4 Rooms separately.

It is observed that no drinking water facility was provided and there was no water supply in the W.C Blocks.

However, at around 12.30 p.m. water tanker was arranged.

Construction, Tiling, flooring, Plastering work was going on at the entrance and also the staircase leading to the valuation room/ custody room on the first floor.

It is prominently felt Reviewers are not regularly present.

In Packet Number, 1471/11, it was observed that there were to be 11 scripts as per the marking on the brown cover. OMR Sheet showed only 10 present and two absent. And only 10 scripts were physically found inside the packet. The marking on the brown cover was wrong and 11 were marked as against 10.

Although packets for the afternoon were issued after 1.00 p.m, started receiving back as early as 2.40 p.m. (LUNCH TIME included) after valuation. Time taken for valuation appears to be very less.

It was also observed that more than 90 Answer Script Bundles are wrongly delivered to this college, by post, and are still lying in this center.

e.g. B.Com. IV Sem., English, 17.05.10, 9.30 a.m.- 12.30 p.m

The same were to be delivered to Bhagwan Mahaveer Jain College by the exam centers. But were addressed to this college.- 105 Scripts. B.Com, IV Sem. English Part A.- 53/02/02 Scripts.

Corrective action is still pending from either side.

Name of the College - Government Science College

Date of Visit - 04-06-2010

Auditor - CSV Narendra

Dr.T.V.Raju - Custodian.Mr. Ramdas Dy. Chief Suptd. Of Valuation center.

The timings for valuation were 10AM to 01PM and 02PM to 05PM. It was seen that some valuator came in only by 11AM and in a couple of cases valuers came as late as 12Noon.

Total Number of evaluators were around 300.

It was observed that many of the evaluators do not sign the attendance sheet as soon as they reach the center.

Languages (Kannada) valuation was being carried out. It was observed that 2 packets of Hindi and 1 packet of Sanskrit answer scripts were mixed up with Kannada answer scripts.(Total 6cases).

The quality of brown paper packets is very bad. Most of the packets were found torn or damaged. In many cases the answer scripts were found falling out of the packets. Packets had to be replaced. This can sometimes lead to mistakes in noting down the details on the new packets.

Mismatch was observed between the number of answer scripts shown on packet and that contained inside. Packet showed 12 scripts. Actual contained in packet 11.

In one case it was observed that packet had OMR sheet in which no details of Center code, Subject etc. was recorded.

In one case it was observed that 2 OMR sheets and 7 scripts were put in same packet and sent. Center code KS. Receipt number 963 / 04. OMR sheets 196849 / 196850.

Many evaluator had finished valuing their scripts by 03PM itself.

In a few cases valuation could not be completed for packets issued. Such packets were returned back to answer script storage room and would be taken next day by valuation team.

In a couple of cases it was observed that evaluator had forgotten to shade the OMR sheet. The same was brought to the notice of the reviewer. (packet 453 and packet 273).

Name of the College - Maharani College

Date of Visit - 04-06-2010

Auditor - BK Pai

Many Packets were found lying incomplete either due to reviewer not signed or incomplete valuation. E.g. .Board 3.

281 to 290 issued on 01.06.2010.,
82, 85, 43, 43a issued on 02.06.2010,
351 to 353, 355, 201 to 204, 206 to 208, 473 to 476 issued on 03.06 .2010. Were found incomplete on 04/06 morning. However all these were cleared on 05.06 2010.and fresh packets issued and cleared for the day.
Also Board Number 4.

Packets Numbers 190, 339, 86,220,112,308, 248,309,310,184,35,243,246,302,38,247,306,305,90 which were issued on 03.06.2010 were found incomplete.

It is also observed that the answer scripts are exchanged between the boards and finally brought back after valuation by the same board in charge.

It is prominently felt Reviewers are not regularly present.

Eight Register numbers WERE FOUND REPEATED IN TWO OMR Sheets.

08 JQSB 3011.

08 JQSB 3039. AND

09 JQSB 5001 TO 5006.

The concerned exam center has acted appropriately on this.

One of the exam center had by mistake written the wrong code as follows: 08 MQ SB 3015 TO 08 MQ SB 3026 WERE WRITTEN AS “ DK” FOR COLLEGE CODE INSTEAD OF” MQ.” WHICH WAS SET RIGHT BY INFORMING Sheshadripuram college Principal.- Yelahanka. And getting the corrected OMR Sheet from the Principal.

Wrong Delivery of Answer Scripts was also found. E.g.

- a) B.A. History - Chikkaballapur
- b) II Sem BCA. English - Govt F.G. College 15.05.2010.
- c) Maths as stated in OMR Sheet 18/05 - contained DAA Algorithm Answer Scripts.
- d) BSVP Ramnagar College has sent BBM Scripts which should have gone to Al Amen College.
- e) Pushpagiri College - English BCA 17.05 2010. Corrective action is still pending from either side. Till date.

Name of the College - RVI Institute of Management

Date of Visit - 05-06-2010

Auditor - CSV Narendra

Mr Harish - Senior Custodian, Mr Manjunath - Deputy Custodian

Around 200 valuers in attendance.

Starting time 09-15AM. Closing time 04-30PM.

In 1 case observed that one Registration number was not matching with answer script number in OMR sheet. Cross checked with attendance sheet / invigilators diary and set right.

After valuation OMR sheets cross checked with number of scripts in packet and marks shaded before sending to BU.

It was observed that packets were being returned back 3 days after issue on completion of valuation.

In OMR sheet 169371 (BCom) it was observed that registration number was marked "X". but booklet serial number written against this.

In OMR sheet 148067 BCom 6th sem., sheet shows 12 persons, packet shows 12 persons but answer scripts inside were only 11.

It was reported by an evaluator that in one case invigilator had not signed on the answer script. Verification was done with the attendance sheet received from college for that day. Found that student had signed on attendance sheet.

In this center also quite a few evaluator had left by 03-30PM after completing valuation.

In OMR sheet No 140496, packet No SDM-92-09 it was observed that valuer had not shaded the marks but left it blank for all answer scripts.

OMR sheets sent to BU in steel box.

Name of the College - Smt. VHD Central Institute of Home Science

Date of Visit - 05-06-2010

Auditor - BK Pai

Many Packets were found lying incomplete either due to reviewer not signed or incomplete valuation. E.g. 123/6, 20/8, 56/12, 53/12, 85/12. for which it is reported that valuation completed, but shading and entry is pending.

The Custodian, Dy. Custodians were present at 9.30 a.m. well before the scheduled time of 10.00 a.m. and the Work started ON TIME.

At a glance all details of receipt of Answer Scripts, dates, timings, Valuation status, valuation completed were available in the form of a COMPACT Table displayed on the blackboard and monitored in the Custodian room although the college had more than 85 Subjects/ Papers.

All the Paper setters themselves were present and have taken the responsibility.

Some of the evaluators reported as late as 11.40a.m. 11.55a.m. 12.15 p.m. and were given one packet for the morning session & one for the afternoon session and the one who reported at 1.15 p.m. is given only one packet for the afternoon session.

Name of the College - R. C College

Date of Visit - 16-06-2010

Auditor - BK Pai

English Paper: B. Com, B. Sc., B.C.A Fourth Semester.

Use of mobile phones with in the valuation room is observed although board displaying not to use the same is on the door.

Free mix up of evaluators with outsiders/students is observed

Free movement of evaluators outside the valuation room/even outside the campus observed.

Entry of unconcerned person in to valuation room- sitting with the evaluator and gossiping more than 10 min. After 10 min both left outside around 11.30 a.m.

They were seen talking standing outside the campus on the pavement road side till 12.15 pm And then at the car park for about 5 min .

Name of the College - Smt. VHD Central Institute of Home Science

Date of Visit - 17-06-2010

Auditor - BK Pai

Answer Scripts of Chemistry VIII exam, which was held on 20.05.2010, were received here on 15.06.2010. which were re sent from Al Ameen College wrongly delivered to them by Ramnagar Govt. College. The same were valued and kept ready.

All the chemistry VIII papers were valued and completed in the last week its self.

Today Physics VII, Physics VIII, Maths VII, Maths VIII, Microbiology VII & VIII, Computer Science VII & VIII, Sericulture VII, FAD 601 -605 are in Progress. Statistics Sem IV Evaluation started.

Use of Mobile Phones in the Valuation room was observed .

Name of the College - Govt Science College

Date of Visit - 17-06-2010

Auditor - BK Pai

Use of Mobile Phones in the Valuation room was observed .

The rooms/halls for valuation are scattered and are easily accessible to outsiders.

Free moment of evaluators in between the valuation room. Also answer script packets movement in and out of valuation rooms was observed

Unconcerned persons movement in and around valuation rooms was observed.

Monitoring for Revaluation Process

SL. No.	Checkpoint	Observation
1	Are Application for photocopy received along with draft for Rs.310.	Yes. Application routed through respective principals. Principal signature and seal verified on application form.
2	Are Application received, DD verified and acknowledgement given.	Yes. Application details and DD details entered into computer.
3	Are Applications consolidated course wise and valuation center wise.	Consolidated and kept in separate box.
4	Are Request for photo copy sent to respective centers 7 days after announcement of results.	Yes. Request routed through Registrar. Information displayed indicates time required for getting photocopy is around 20 days.
5	Are Answer scripts traced at the valuation center. and.	Yes. Photocopy made. All sheets are copied At times it is difficult to trace the scripts as they are not stored serially but stored haphazardly.
6	What is done to Photocopy of script.	Sent to BU. At later stage photocopy taken from digitized data at Indian CST control room.
7	How is it handed over to student for verification.	Through respective colleges.
8	If student not satisfied with marks given, applies for revaluation or challenge valuation.	Information displayed indicates that time allowed to apply for revaluation is 30 days. If photocopy is received after 20 days the student may not be left with adequate time to get answer script checked and apply for revaluation.
9	In case of revaluation answer script sent to another valuator of the same subject.	Information displayed indicates maximum time needed for revaluation is about 75 days.
10	In case of challenge valuation answer script sent to a senior valuator for revaluation.	Information displayed indicates maximum time needed for revaluation is about 75 days.
11	What is done with answer scripts received back from valuator.	New OMR sheet prepared and new marks uploaded. New marks informed to student. Result amended as the case may be.

Bangalore University



Initiates Exam Reforms
along with

Indian Centre for Social Transformation

The Examination Modernization Process called

"Project Sanjeevani"

is aimed at promoting transparency and enhance the overall
credibility of examination results.

Now Students can see their

May-June 2010 Semester Results along with
The Answer Script



Log on to this web site for registration
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Chapter-2

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New Processes & Systems Introduced by Indian CST

System Audit

Audit is defined as “Systematic, Independent and documented process for obtaining audit evidence/evaluating it objectively to determine the extent to which audit criteria are fulfilled” **

As part of reforms process, it was decided to conduct an independent system audit of the current exam process to identify the weakness in the process. Criteria for this audit have been derived from BU examination manual 1999-2000 No. SYN: S1: MISC: 1999-2000 effective from 1st July 1999. The manual has been studied in detail and checklists for each of the processes have been prepared to verify the implementation of the system at various location.

An audit of each of these processes to verify the proper implementation as per the guidelines given in the manual is termed as system audit of the examination process. BU’s examination system is made up of a number of individual sub-systems as defined in the examination manual.

Each of the above sub-systems are further broken up into individual processes or activities and defined in the manual. The audit has been carried out by a team of experienced system auditors. These auditors have audit experience in different fields including educational institutions and are approved by IRCA (International Registrar for Certified Auditors), an independent body for approval of auditors.

Audit has mostly been carried out on a sampling basis. Sample size has been maintained around 25%. For some of the processes the audit has been carried out 100% as the population was small. Audit has been carried out at individual locations and adequate time has been spent at each of the locations. Information has been gathered by interviewing the concerned personnel and also observing the process as it was carried out.

All details have been recorded in the checklists and audit reports have been prepared for each process/activity/location. Some of the audit findings have also been discussed with the person in-charge at the specific location.

Audits observations are not against any individuals but lapses found in the implementation of the laid down system. Audit observations are to be used as pointers for improving the system by the individual process owners.

*** ISO 9000:2005 Quality Management System - Fundamentals and Vocabulary*



MMS –Metrics Measurement System

Introduction of measurement parameters for the improvement sought (MMS). The effectiveness of any process can be verified only when measurement parameters are available for that process.

An effort has been made to fix measurement parameters for many of the important processes and personnel. Comparing the parameters before and after the implementation of improved processes will give us the quantum of improvements achieved.

Metrics	Auditors	Vendors	Indian CST
Leadership Innovation	Resource Allocation Risk Assessment. Cost Effectiveness. Decision making.	Quick response to Requirements. Resource generation to Meet Time-lines. Cost effectiveness. Decision making. Crisis management.	Resource Allocation. Risk Assessment. Cost Effectiveness. Decision making. Interaction with various stakeholders.
Information analysis	Documentation Reporting & Review Bias.	Documentation Clarity in Specifications. Identification of Right Equipment / software. Reporting / Review.	Correct documentation of All Activities. Daily Reporting & Review. Review of Stakeholder reports. Feed back to Stakeholders.
Strategic Planning	Understanding of Criticalities Selection & prioritization of Focus areas Activity / Time planning.	Understanding of Criticalities. Timely procurement. Financial Resources. Project Management Skills.	Understanding of Criticalities Project management. Selection & prioritization of Focus areas. Financial Resources.
Process Improvement	Identification of areas of Concerns/NC. Major Concerns Detected. Innovative suggestions.	Use of Innovative methods. Identification of Focus areas for Improvement. Detection of Process concerns. Suggestion for Improvements.	Identification of areas of Concerns /NC. Major Concerns Detected. Innovative suggestions Implementation of Improvement activities.
HRD	Revision of Guidelines. Training. Number of Inconsistencies.	Training of Operating manpower. Manpower retention. Providing adequate Guidelines to employees.	Training to employees. Manpower retention.
Operational Results	Thoroughness of Reporting Recommendations & Conclusions. Acceptance by Powers that Be.	Timely completion of Jobs undertaken. Daily report Generation. Cost monitoring.	Timely completion of Jobs undertaken. Daily report Generation. Cost monitoring. Thoroughness of Reporting Recommendations & Conclusions Acceptance by Powers that Be.
Stakeholder Satisfaction	Feedback from Students, principals, BU employees, Parents, Public & customer.	Feedback from Students, principals, BU employees, Parents, Public & customer.	Interaction with stakeholders. Feedback from Students, principals, BU employees, Parents, Public & customer. Response to stakeholders complaints. Feed back to Stakeholders.



Deployment of Independent Observers in Exam Centers and Valuation Centers

As a part of the reforms process and to study the conduct of examinations at various centers it was decided to post independent observers at all the exam centers and valuation centers.

These observers would also be monitoring all activities of these centers as a number of reports had been received about malpractices taking place at the centers.

The observers would also support the chief custodians in the smooth conduct of the exams.

These observers also studied the examination and valuation process as per the checklist prepared and given to them.

Each observer has prepared and submitted a detailed report for the center they were present in.

Their observations have been consolidated and their findings have been included in this report.

It is proposed to continue with this process of posting observers at examination centers. It is also planned to post more than one observer at centers where large number of students are taking the examination.

It is also proposed to use the services of retired college teachers to carry out this activity. A directory of retired teachers will be prepared and contacted when the need arises.





Scanning of Face Sheet

Scanning of face sheet and making it available to students on the web. In an effort to bring transparency into the valuation system, face sheets of all the answer scripts have been scanned and made available on the web portal of BU.

Students can view the face sheet by accessing the same through a password. Scanning was carried out at each of the valuation centers after the completion of valuation. Around 5/6 scanners were installed at each center to carry out the scanning work.

All the scanned sheets were then digitized into a common data base. This digitizing work was carried out at the INDIAN CST control center at BU. 15 work centers were installed for carrying out the digitizing of face sheets.

Along with the face sheets the invigilators dairy and attendance sheets for each exam has also been scanned and digitized. Comparison of face sheet data, invigilators dairy data and attendance record data will show up discrepancies and also help in detection of malpractices.

Scanning Process Flow

- The Packets are collected from the custodian in bulk with signature and documentation.
- The Answer books in the packets are scanned using Adobe Acrobat Professional.
- 1 file contains all the face sheets in a packet, thus one file resembles one packet. With the following convention in the filename.
Year_semester_examcenter_course_subjectcode_paper_examdate-packet number.
For Form A and Diary
Year_semester_examcenter_course_subjectcode_paper_examdate-FormA
Year_semester_examcenter_course_subjectcode_paper_examdate-DIARY.
- The Packets were returned to the custodian in bulk and taken sign off.

Checklist for Scanning Center

SL. No.	Checkpoint	Observation
1	Is correct software loaded in the computer for scanning?	Yes. Done by BIT / ICON personnel.
2	How answers scripts selected which are to be scanned?	Selected based on priority given by BU.
3	From whom do you collect the answer script packets?	Collected from the custodian of the valuation center. Recorded and acknowledged by scanning operator.
4	Is serial number order followed as indicated on packet?	Yes. Scanning operator verifies and ensures this.
5	How is the scanned sheet saved?	Scanned sheets are saved in a separate folder for each packet.
6	What is done If additional answer script is tagged to main answer script?	Face sheet of both main and additional answer script are scanned and saved together.
7	Are packet serial numbers and answer script registration numbers recorded separately in a dairy?	Was started but later discontinued due to shortage of man power.
8	What is done to the packets once scanning is complete?	Once the scanning is complete for each centre, the packets are tied back together and stored serial number wise in a separate location to avoid mix up. Returned back to custodian at the end of the day.
9	Is the number of scripts scanned tallied with the number recorded in separate sheet at the end of the day?	Not done.
10	Are discrepancies verified?	Verified if noticed and not matching with acknowledgment slip signed.
11	Are invigilators dairy scanned?	Yes. After scanning of answer scripts are complete.
12	Are they cross checked with scanned answer scripts of that centre?	No. Done at Indian CST control center.
13	Is all the Form "A" sheets scanned?	Yes. After scanning of invigilators dairy.
14	Are Q.C. checks by a separate person done on scanned answer scripts, Invigilators dairy and Form "A"?	No.
15	Is daily report prepared on number of scripts scanned, invigilators dairy scanned and "A" form scanned?	No formal report prepared. Number of sheets scanned recorded in note book.
16	What is done with the scanned data?	Scanned data is sent to digitizing center through a portable hard drive. Each page is opened and relevant data digitized using the digitizing software.
17	Where is this data saved?	Saved on a hard disc.
18	How is this data used?	Data used for comparison and verification during revaluation stage.
19	Is back up of digitized data taken?	Yes. On external hard disc.
20	Is there a disaster recovery plan for the safety of above data?	No.

Monitoring for Scanning Operations by Auditors

SL. No.	Checkpoint	Observation
1	Who is the main contractor for scanning?	I T I main contractor. Selected through tendering process.
2	Who is the sub contractor for scanning?	ICON, Technology partner to I T I is the sub contractor?
3	Name of person responsible for scanning operations.	Mr Kiran.
4	Number of locations where scanning is to be carried out as per contract.	Seven (7) locations. P.O ISSUED by BU. Not clear if all details are mentioned in P.O as copy not available.
5	Number of scanners that is to be installed at each location as per contract.	Minimum 4 at each location. Should complete 20,000 pages per day. Presently scanning completed in 5 locations. Average copies achieved 12000 / 13000. As of date 2 machines in each location are being used for photo copying of answer scripts as scanning work complete in 5 out of 7 locations.
6	What is the type of scanner that is to be installed as per contract?	Flat bed rolling scanner. Machine capacity 40 sheets per minute in automatic feeding. Capacity may have been over estimated for manual feeding.
7	What other supporting equipment are needed to operate the scanner?	Electrical wiring, UPS, Batteries etc. As site survey was done in hurry, requirements of electrical wiring etc. was not done properly. Further the locations seen during survey were not the same where the scanners were finally installed.
8	Which type of scanner has actually been installed at each location?	Flat bed rolling scanner. Manual scanning capacity 10 / 12 pages per minute. (manual feeding)
9	How many sheets are to be scanned per day at each location?	20,000 sheets per day. Actually achieved 10,000 to 12,000 sheets per day.
10	Number of personnel that are to be deployed per scanner.	2 persons per scanner + 1 helper overall + 1 QC per center. Observed in some locations same person doing the scanning and saving the file on computer there by slowing down the work. Adequate manpower was not provided at all locations.
11	Does contract specify deployment of supervisor at each location?	1 Supervisor. Not clear if it is per location or overall for all locations. 2 systems personnel to attend to technical issues. As independent supervisors were not available at all locations scanning personnel were not clear what to do when they encountered problems.
12	Is competency requirements specified for persons who will operate the scanning equipment?	No specific competency required. Data entry knowledge is required. Minimum competency requirements should be specified.
13	Is the person operating the scanner trained on that specific type of equipment?	Most personnel have been working with similar equipment.
14	Who has developed the software for the scanning process?	BIT (Indian CST partner).
15	Was the software validated before being put into use?	Software not validated before use. Mainly due to urgency of the job.
16	Does software detect mistakes during the recording process?	No.
17	Do contractor / subcontractor carry out quality checks during the scanning process?	No quality checks done. Validation check done for data entered after second level of indexing.

18	Are daily reports generated for the scanning work carried out at each center?	No formal reports generated.
19	How is the scanned data stored?	In individual work stations hard drive (500GB). Lot of virus infection due to shifting of data between hard discs. No anti virus in work stations.
20	Are back up storage facility available?	1 TB external hard drive. Disaster recovery plan not put in place
21	Have any changes been made to software after start of scanning operations?	No record of changes available. Changes made as and when problem encountered.
22	Have these changes been documented?	No.
23	Who is responsible for maintenance of scanning equipment?	ICON.

Monitoring for Digitizing Operations by Auditors

SL. No.	Checkpoint	Observation
1	Who is the subcontractor for the digitizing the scanned documents?	I T I main contractor. ICON, Technology partner to I T I is the sub contractor.
2	As per contract what equipment is required for carrying out the digitizing operations?	Work stations / terminals - 17 Nos. Initially these were to be installed at valuation centers. Shifted to Central college due to co ordination problems.
3	What equipment has been installed for carrying out digitizing work?	11 work stations / terminals installed. Adequate number of work stations would have ensured that digitizing work would have been simultaneously completed along with scanning operations.
4	As per contract how many sheets are to be digitized per day?	25,000 per day.
5	Name of supervisor monitoring the digitizing operations.	Mr D'Souza.
6	Who has developed the software for digitizing operations?	BIT (Indian CST Partner)
7	Was software validated before use?	No. All software should be validated before use to eliminate any problems during use.
8	How many personnel are involved in the digitizing operations?	11
9	What is the competency required for personnel carrying out digitizing operations?	Knowledge of data entry.
10	How many sheets are being digitized per day?	Currently about 25,000 per day.
11	Is daily report generated for digitizing work carried out?	No formal report generated.
12	What quality checks are implemented for the digitizing operations?	No specific checks implemented. Quality plan should be prepared before start of operations.
13	Does software detect mistakes during digitizing operations?	No.
14	Are digitized data randomly checked for correctness?	No. Quality Plan should indicate what quality checks are needed during the operations.
15	Are digitized data validated with any other data base? (OMR sheet)	Currently No. OMR data not provided by BU till date.
16	How is the digitized data stored?	Hard disk on system.
17	Are back up storage facility available?	One back up removable hard drive. Disaster recovery and remote location data backup system should be provided.
18	Have any changes been made to software after start of digitizing operations?	Yes. As per requirement.
19	Have these changes been documented?	No record maintained. All changes made should be documented and properly authorized.
20	Who is responsible for maintenance of digitizing equipment?	ICON.



Web Portal Development

A web portal has been developed to upload all information about the activities at BU. This portal has been developed keeping in mind the requirements of all the stakeholders.

As part of Project Sanjeevani, Indian CST has developed a software application, which operates through a portal developed on ETAMINE a framework built using PHP, AJAX, MySQL and other open source software tools, to provide a Web-based environment to manage the affairs of the University, and make it easy for the students to access study material, examination details, results and other online forms. The application aims to provide a seamless and transparent environment that will help eliminate irregularities and malpractice in the examination process.

The application caters to the needs of the Students, by providing them easy access to information that is vital to them, like examination timetable details, previous year Question papers and other study material. Apart from these the Students can apply for Re-Valuation, Photocopy, and admission and also register for examinations online sitting at their home through this portal envisioned in Project Sanjeevani.

Through this portal a record is maintained of the examination process, like online Inventory of the examination stationery provided to each exam center, a log of Students who registered for the exams and number of students who attended the exams along with the answer scripts issued to them by maintaining an online copy of the Invigilator Diary of each exam center for the exams held across courses and semesters.

Using the above information available at hand, Data from scanned OMR Sheets provided by the University, and the Data obtained by scanning and Digitizing the Answer Sheets through SDR, a set of validation checks is carried out on these data to identify erroneous and discrepant results. This is done by running different algorithms to realize these validations on the above data, thus reducing the scope for malpractices and isolating extraneous agencies from interfering with the process of conducting of examination, and results declaration.

The ETAMINE portal for BU provides a centralized role based access and information to the university officials to monitor and validate the examination process. The portal also provides information to the relevant university authorities about the Admissions, Fee Receipts and number of Students registering for examinations, revaluation and other such essential details.

Thus, the ETAMINE BU portal accentuates the efforts put in by the University, Indian CST and the hard work of thousands of meritorious and sincere students and lecturers across various faculties of the University. It keeps a trace and record of the Data entering and leaving the system, and regulating the functioning of various internal and external agencies of the University operating in tandem to conduct an effective and efficient examination process that upholds the interests of students.



Validation of OMR Sheets

It has become essential to validate the OMR data as a number of discrepancies were reported in the OMR marks and actual marks received.

These discrepancies were noticed after students applied for revaluation and got the photocopies of their answer scripts.

OMR sheet scanning process was also studied to detect the source of errors and find ways to eliminate them.

OMR sheets received from the examination centers are currently scanned by an outsourced vendor and the digitized data from these sheets is given to BU. BU then uploads this data into their servers at BU computer center.

This data is then used for generating the marks list of students who have appeared in the examination. Results of the students are announced based on the marks list. Presently it is not possible to validate the correctness of the OMR data unless physically cross checked with the answer scripts.

The present system has led to a lot of incorrect results and opportunity for malpractices.

With scanning of face sheets started, the OMR data can be directly compared with the Face sheet data and any differences can be immediately detected.

This will result in fewer cases of incorrect announcement of results.

Checklist for OMR Sheet Scanning

SL. No.	Checkpoint	Observation
1	OMR sheets taken out of packet and checked for damages.	Scanner rejects any sheet which is damaged, folded, corners bent etc.
2	Set of OMR sheets placed in scanner and scanning process started.	Scanned sheet recorded as a string of data and appears on screen to indicate proper recording.
3	Sheets fed automatically as each sheet is scanned.	Scanner can record about 2000 sheets per hour.
4	Defective sheets not recorded and warning sign displays on screen.	Sheets are checked for defects before re feeding them. Markings on left margin are darkened, bent corners straightened and any other damage set right before being re-fed.
5	Scanned sheets are checked on second screen and data in scanned sheets are digitized and stored to data base.	Errors / mistakes could occur during digitizing process. Marks could get interchanged if alignment of registration numbers and shading are not correct.
6	During digitizing if any data is not recorded properly, the same is manually entered / corrected.	Marks can be also changed later by persons having system password. Current system does not prevent changes to recorded data.
7	For hand written OMR sheet, scanned image has to be manually digitized and stored in data base.	Almost 30% to 40% of OMR sheets scanned are hand written. It is not clear why they are hand written since pre printed OMR sheets are sent to all exam centers. Hand written OMR sheets should be exceptions and not allowed routinely.
8	OMR sheets counted and cross checked with figures shown on packet before they are put back into packet and handed back to BU staff.	BU staff verify the OMR sheets received.
9	After scanning is complete for one subject, the data is handed over to computer center for uploading into university computer system.	Data digitized is not cross checked or verified by supervisor. If any errors have occurred it may not come to notice of anybody till student applies for revaluation. Scanned image of OMR sheets are not given to BU computer center. Many a times subject codes do not match for which copy of OMR sheet is needed to make corrections. Computer center has to request for a copy of relevant OMR sheet to complete the corrections. Data given is merged with internal assessment marks sent directly by colleges and practical marks where applicable before marks sheet is finalized. If internal assessment marks are not sent by colleges then results cannot be finalized. If internal marks are not received by result announcement date it is shown as zero and candidate failed.

Software Development

The software used for scanning and digitizing the face sheets, 'A' form and Invigilators dairy has been developed in house by BIT, technology partner to Indian CST. The software development process was also audited during the course of auditing the BU exam system.

Checklist for Software Development

SL. No.	Checkpoint	Current Status
1	Are detailed specifications available for scope of software to be developed?	Not received from BU or INDIANCST. Prepared on own basis based on details available.
2	Were changes made to the scope during the course of development of software?	Yes. These changes have been recorded. (To be verified at BIT office)
3	Have detailed documentation been maintained from the initial stage for the software developed?	Full documentation not maintained.
4	Who was given responsibility for the development work? Who was in charge of the project?	Mr Udeep to of BIT.
5	Is a list of team members available who worked on the software development?	No. Different persons have worked at different times.
6	Is a project plan available for the software developed indicating timelines, responsibility etc?	No formal plan prepared.
7	What Quality checks have been carried out during the development of the software?	No formal checks carried out.
8	Is a record of the checks carried out maintained?	No
9	Was the software validated before being implemented for BU project?	Validation done based on sample data. Further validation done as per need.
10	Is a record of the validation carried maintained?	Record of validation available at BIT.
11	Is a record maintained of the changes made to the software during the development phase?	Record available at BIT.
12	Have any changes been made after implementation of the software?	Yes.
13	Is a record maintained of the changes made?	Record available at BIT.
14	Has an instruction manual been prepared for the users of the software?	No. Only instruction sheet prepared for training the data entry operators.
15	Has this manual been given to the users of the software?	Instruction sheet given to users.
16	Has training been provided to the users of the software?	1 day training given to operators.
17	Is a record maintained of the training provided?	No.
18	Have the users faced any problems during the use of the software?	Yes. Addressed through changes to software.
19	Is a record / log of problems faced maintained?	No.
20	Have all the problems been resolved satisfactorily?	Yes.
21	Has the software met the users requirements in terms of the deliverables specified?	Not completely. Some more improvements needed.
22	Backup of software.	Backup of all versions taken. Kept at BIT.
23	Data back up.	On server and on system.
24	Security of data.	Password system used.

** ISO / IEC 90003 - Software engineering -- Guidelines for the application of ISO 9001:2000 to computer software.



Revaluation Process

The proposed process for re-evaluation is as follows.

- Student applies for copy of answer script.
- Answer script located at valuation center and transferred to Indian CST center at BU.
- All pages of answer script scanned and printout taken or uploaded onto web portal,
- Student verifies the script and decides on whether to go for re evaluation or not.
- If student decides on re evaluation, soft copy or hard copy of script sent to re evaluator along with new OMR sheet.
- After completion of re evaluation, face sheet of re evaluated answer script along with new OMR sheet is scanned and uploaded onto portal.
- Student can view the new marks by accessing the portal through password.
- OMR sheet data fed into BU system and results / marks list corrected.

Checklist for Revaluation Process

SL. No.	Checkpoint	Observation
1	Application for photocopy made along with draft for Rs.310.	Application routed through respective principals. Principal signature and seal verified on application form.
2	Application received, DD verified and acknowledgement given.	Application details and DD details entered into computer.
3	Applications consolidated course wise and valuation center wise.	List sent to BU along with Demand draft and forms.
4	Request for photo copy sent to respective centers 7 days after announcement of results. Request routed through Registrar.	Information displayed indicates time required for getting photocopy is around 20 days.
5	Answer scripts traced at the valuation center and photocopy made. All sheets are copied.	
6	Photocopy of script received at BU.	
7	Handed over to student for verification.	
8	If student not satisfied with marks given, applies for revaluation or challenge valuation.	Information displayed indicates that time allowed to apply for revaluation is 30 days. If photocopy is received after 20 days the student may not be left with adequate time to get answer script checked and apply for revaluation.
9	In case of revaluation answer script sent to another valuator of the same subject.	Information displayed indicates maximum time needed for revaluation is about 75 days.
10	In case of challenge valuation answer script sent to a senior valuator for revaluation.	Information displayed indicates maximum time needed for revaluation is about 75 days.
11	Answer scripts received back from valuator.	
12	New marks informed to student. Result amended as the case may be.	

Complaint Handling System

A web based complaint handling system has been developed to record and address the problems faced by the various stakeholders during the examination process.

Individuals can log on to the website www.IndianCST.in and register their complaint. Complaints can be lodged on BU portal of Indian CST website.

Complaint can also be made on phone and the same will be logged on the computer by INDIAN CST personnel. These complaints will be verified daily and forwarded to concerned person / department for further action.

Action taken will also be put up on the website.

Some of the sample complaints are referred below.

Complaint/Information Received and Centralized

- 1 Complaint No : CMT - 218
Answer Script Photo copy (BEEd I Semester) paper C-2 FEP. Regno-08D4D05032. already complaint raised on 2/3/2000 through no response from BU. Mr Jammal is the person whom Jagadish met
- 2 Complaint No : CMT - 233
Dear Sir, Couple of colleges official examination centre addresses was different. According to the Dy Registrar the colleges need to strictly follow the guidelines issued by BU on the locations of exams to be held and Individual colleges cannot change the venue. There were couple of complaints from IndianCST Volunteers today. The colleges were : The official exam centers announced per list is as below :
1) The Oxford College of Science, Ist Phase, JP Nagar, Bangalore 560078 The examination was held at : HSR Layout Branch. Volunteer number : 27.
2) HKBK First Grade College, 46/1, Davis Road, St thomas Town, Post, Bangalore 560084 (volunteer Number : 47 The Examination was held at Cantonment Area Branch, Bhaskaran.
- 3 Complaint No : CMT - 236
Proxy Candidate Puneet detected by IndianCST Volunteer on 13-05- 2010 for impersonation of candidate Kiran Registration number 07PCC08012 at Vasavai Janan Peetha evening college centre code C-38 vijayanagar and reported to college principal .
- 4 Complaint No : CMT - 237
Wrong Hall Ticket Issued by BU, instead of the actual subject some other subject was printed on the hall ticket which college had to manually change the subject info on the hall ticket -Al Ameen College.

- 5 Complaint No : CMT - 238
OMR sheets were found not attached with the answer sheet for 60 students in Ambedkar Fr. Gr. College.
-
- 6 Complaint No : CMT - 244
Student name by Swetha after examination she had taken back the answer book let home on 14-5-2010, she wanted to return booklet to the college on 15-5-2010. She requested to the principal and they informed to the Mr.Venkatesh of bangalore University they informed we will receive her paper separately not in the Bundle.
-
- 7 Complaint No : CMT - 249
BBM IV Semester, 12 Kannada Question Papers shortage was found on 15-5-2010. Immediately photocopy was taken and no delay happened in the exam process.
- 8 Complaint No : CMT - 251
2 Hindi Paper was Wrongly printed Question Paper and they issued after one and half an Hour. But those two students finished the exam at 1:PM
-
- 9 Complaint No : CMT - 257
BMS College for Women Basvangudi said they have no practice of signing the covers holding answer sheets even when IndianCST Volunteer asked them to sign they did not sign .
-
- 10 Complaint No : CMT - 259
Complaint- Reddy jana Sangha First Grade college 100 English Question paper found shortage 100 English B.COM Question paper found shortage on 15-5-2010. Immediately Photo copies were taken and issued to the students.
-
- 11 Complaint No : CMT - 260
Booklet with same Number:1565769 issued to two students Reg No:09YNSB5006 and Reg No:09YNSB5007 on 15-5-2010. On detection immediately issued New Booklets.
-
- 12 Complaint No : CMT - 263
Kannada language paper was not sent. Instead of that they had sent all other Six Language papers.
-
- 13 Complaint No : CMT - 267
College opened late daily and QP is issued late.
-
- 14 Complaint No : CMT - 271
70 Question Paper of Income TAX VI semester was found shortage and they issued Question Paper 30 minutes late.
-
- 15 Complaint No : CMT - 273
Question Papers of BBM- subjects are HRD and Finance did not come. Immediately they collected from Commerce Day College and also they reported to the BU.
-
- 16 Complaint No : CMT - 278
Students found discussing opposite side with each other during examination ReNo.07UQC10101 name Vikas P and Reg.no.07UQC10103 subject Income Tax 2.
-
- 17 Complaint No : CMT - 280
Found at Mahaveer Jain College VV Puram that the OMR sheet is not filled on the spot by the all the room Invigilators.

- 18 Complaint No : CMT - 281
Govt college HSR Layout team IndianCST team found on inspection there are a lot of discrepancies in form A. Mismatch between Invigilator's dairy and form A is observed. The number of absentees onsite is a mismatch. Student registration number sent to college by university is incorrect.
-
- 19 Complaint No : CMT - 289
41 Question Paper found Excess : B.com English Part I-15 QP, Part II-15, BA English VI Semester-11. Immediately they sealed those QP and handed over to Principal.
-
- 20 Complaint No : CMT - 314
100 Question papers shortage of Financial Accounts of VI Semester B.com. immediately they collect it from BU.
-
- 21 Complaint No : CMT - 316
Found Copying from the Bits of Paper. The Reg No:08MZSB3009 IV Sem of BA. Reported to Principal and they advised the student and allowed him to write the Exams .
-
- 22 Complaint No : CMT - 355
In spite of several instructions students were carrying mobile phones in the examination hall after warning them 6 mobile phones were collected by the invigilator and given to students after exam hours .
-
- 23 Complaint No : CMT - 356
Question papers received late by 1/2 hour.
-
- 24 Complaint No : CMT - 357
Repeated Register Numbers in OMR sheet. two register no's of candidate bearing no. (a) 07RWH77010 (b) 07RWH70019 has been repeated in two OMR sheets of series BT and BS on 20th may .
-
- 25 Complaint No : CMT - 366
B.Com 4th Sem Human Resources and Management - Found carry xerox copy of booklet Roll No.08ATC10041 Answer Book No. 1300641 .
-
- 26 Complaint No : CMT - 369
Yesterday 3 rooms no invigilator (21.05.2010) and Today (22.05.2010) 1 room no invigilator (22.05.2010) after half hour clerical staffs were used as replacement.
-
- 27 Complaint No : CMT - 376
7 students copying and were sent out by the principal (Roll Nos. 06KEC70057, 09KEC11024, 06KEC08051, 06KEC08027, 08KEC08038, 08KEC08052, 09KEC018003 .
-
- 28 Complaint No : CMT - 381
Raised by : Information received from undisclosed source Complaint. Malpractices found. Insertion of answer books in place of original before valuation.
-
- 29 Complaint No : CMT - 426
B.Com 4th Sem Human Resources and Management - copying from xerox booklet Roll No.08ATC10041 Answer Book No. 1300641.

- 30 Complaint No : CMT - 436
4th sem BA instead of sending Psychology sent an child psychology Question Paper.
-
- 31 Complaint No : CMT - 446
The tender for CCTV, Data Center, etc was floated on 21st May and submission was on 24th May. This gives rise to a assumption that many vendors were deliberately kept out of the bidding.
-
- 32 Complaint No : CMT - 470
Complaint / Requirement : IndianCST Observers denied entry into evaluation rooms IndianCST flying Squad visited SJRC college and found the it true and also brought it to the notice of the Principal as the chief custodian was not available on premises. Indian CST flying squad to make a spot visit and submit the status report by 5.00 pm today 28-05-2010 .
rajaseevan 28-05-2010
-
- 33 Complaint No : CMT - 475
Before the examination finish time, an hour before 14 students had completed and left the examination hall. The remaining people who were writing the same examination were present in the adjacent room in pushpagiri college. Detected by IndianCST team & was put across to BU flying Squad - West zone who visited the college.
-
- 34 Complaint No : CMT - 484
The exams was disturbed due to some students changing the time table from BA Geography 7th Sem to BA Geography 8th Sem. The exam was conducted after a delay of half an hour. Some of the students also called the police. The matter was late clarified by Vice Principal. Mr. Madeswamy Gowda and the exam was conducted smoothly later.
-
- 35 Complaint No : CMT - 506
Question papers for Bcom 2nd Semester Indian Constitution exchanged with BSc 2nd Semester immediately informed to Mr.Venkatesh (Confidential Section) and new set of papers arranged. The exam started one hour late.
-
- 37 Complaint No : CMT - 510
BA 4th Semester Computer fundamentals 220 papers shortage, BBM 4th Semester Indian Constitution 72 papers shortage, BSc 4th Semester Environmental Studies 122 papers extra .
-
- 38 Complaint No: CMT - 511
Raised By :Venkataraman (G4S) Indian CST - 142
Created On : 31-05-2010
BA 4th Semester Computer fundamentals 220 papers shortage, BBM 4th Semester Indian Constitution 72 papers shortage, BSc 4th Semester Environmental Studies 122 papers extra
-
- 39 Complaint No : CMT - 512
Raised by : Yuvaraj Naik (G4S) Indian CST -83
Created On : 31-05-201
As admission for PU College is taking place in the college campus the students are roaming allover the exam centre though I informed it to both the principles no action was taken.
-
- 40 Complaint No : CMT - 513
Raised by : Umeshappa (G4S) Indian CST -172
Created On : 31-05-2010
BA 4th Semester Environmental Studies 40 QP shortage

- 41 Complaint No : CMT - 514
Raised by : Badri Prasad (G4S) Indian CST -180
Created On : 31-05-2010
Student found copying with the help of photocopy papers and was sent out Roll No.08RBC10039 Name :Jagadish YN Book let No.724577 Exam : Bcom 4th Semister Indian Constitution
-
- 42 Complaint No : CMT - 515
Raised by : Hanumathaprasad (G4S) Indian CST -49
Created On : 31-05-2010
Bcom 4th Semister Indian Constitutional copying with small bits of papers student was sent out of the examination hall Roll No. 08KXC10079 Bookiet NO.1652628
-
- 43 Complaint No : CMT - 516
Raised by : Saikumar (ITI) Indian CST -58
Created On : 31-05-2010
BA Sociology 6th Sem QP was prepared for 100 marks instead of 90 marks so it created a small conversation between principal and students but it was clarified by principle by calling up Bangalore University.They asked the students to attend only for 90 marks.
-
- 44 Complaint No : CMT - 534
Raised by : Balakirshna P M Indian CST 17 (ITI)
Created On : 03-06-2010
Mal pratice Roll NO. 08XWC08044 Answer Sheet No. 963611 Subject BBM 4th Sem Production Operation Management Student sent out of the examination hall
-
- 45 Complaint No : CMT - 535
Raised by : Rajanna R (ITI) -Indian CST ID NO.249
Created On : 03-06-2010
-
- IV Semester BBM student was copying with micro script and was sent out of the examination Roll No.08UQC 08029 Answer booklet no.0251866
-
- 46 Complaint No : CMT - 536
Raised by : Rajanna R-(ITI) Indian CST - ID No.249
Created On : 03-06-2010
IV Semester BBM student was copying with micro script and was sent out of the examination Roll No.08UQC 08029 Answer booklet no.0251866
-
- 47 Complaint No : CMT - 537
Raised by : Badri Prasad -Indian CST I D No.180 (G4S)
Created On : 03-06-2010
Student found copying with the help of photocopy papers and was sent out Roll No.08RBC10039 Name :Jagadies YN Answer sheet No.724577 Exam : Bcom 4th Semister Indian Constitution
-
- 48 Complaint No : CMT - 538
Raised by : K.Srinath
Created On : 03-06-2010
BA -4 thSem -Economics - 6 question papers extra

49 Raised by : BadriPrasad -Indian CST ID No.180
 Created On : 03-06-2010
 Complaint No : CMT - 539

Two students found copying and sent out of the examination hall Roll No.76RBA20216 Name Chandrakumar Answer Sheet No.705164 and Roll No.8RBA20152 Name Lokesh BN Answer Sheet No.760085 Exam BA 4th Sem Economics

50 Complaint No : CMT - 540
 Raised by : Hemasekar -Indian CST ID No.178 -(G4S)
 Created On : 03-06-2010

Two students found copying on suspicion checked by squad and was sent out of the examination hall Roll No.06RCS70030 Name Raghu Answer Sheet No.1259529 Exam computer science 6th semester and the other Roll No.07RCS70030 Answer Sheet No.1259515 Name: Anil Kumar

51 Complaint No : CMT - 541
 Raised by : A D ASHOK - Indian CST Id No.22 (G4S)
 Created On : 03-06-2010

Two students found copying and was sent out of the college Roll No.09RKA41105 Name :Deepu Answer Booklet no. and other Roll No.09RKA41100 Name : Basavaraju exam: BA 2nd Semister Geography

52 Complaint No : CMT - 542
 Raised by : Rajanna- Indian CST Id No.249 (ITI)
 Created On : 03-06-2010

All roll no's found indulging in malpractices may be comiled and sent for being added to the report to be sent to the BU for withholding results and such other disciplinary action as deemed fit.

53 Complaint No : CMT - 544
 Raised by : Darshan Kumar-(G4S) Indian CST-223
 Created On : 04-06-2010

This candidate's marks list needs to be seen and decision on withholding his result to be taken by the concerned authority as per Rules.

54 Complaint No : CMT - 545
 Raised by : Chandra shekar(G4S) Indian CST-176
 Created On : 04-06-2010
 B.sc Computer science 6th sem 8 QP extra

55 Complaint No : CMT - 550
 Raised by : Jaya Prakash Indian CST Volunteer
 Created On : 13-06-2010

All, Do find some of the first cut issues that is noticed in the data provided to us. 1. Many answer booklets are duplicated in the sense that the same answer booklet is marked against more than one student. 2. NNN - Not in master but with answer booklet numbers. 3. Absentees with answer booklet numbers against them We will process the newly gathered results data now. Thanks, JP

56 Complaint No : CMT - 604
Raised by : SreenathChavan Indian CST ID-320
Created On : 25-06-2010

CENTRE: PES College Of Education, BSK 3rd Stage, Hosakerahalli, B'lore. STUDENTS COLLEGE: KIET B.ED COLLEGE BANNERGHATTA ROAD B'LORE. REPEATERS 1.SEM B.ED STUDENT FOUND COPYING THROUGH BITS WAS SENT OUT OF EXAMINATION HALL.REG.NO. 08H5D05094.& ANSWER BOOKLET NO. 1634043

57 Complaint No : CMT - 612
Raised by : Pradeep (Indian CST)
Created On : 26-06-2010

Mass mal-practice and impersonation found in B.Ed examination center. IMPERSONATION: Two people were caught red handed by BU flying squads who were proxy candidates, one Mr. SWETABH KUMAR was writing the exam instead of JAYARAM YADAV with Reg no. 09CLD05072 on 25/6/2010 at 10AM with the subject on Education in Emerging India Answer booklet no.1817161. The other case was one Ms. PUNAM DHAR was writing the exam instead of RITA DASS Reg no.09CLD05058 on 25/6/2010 for the Subject Education in Emerging India, Answer booklet no. 1817147. Both candidates applied for the exams were from Diana College, yelhanka, Bangalore who was supposed to write the exam in Cauvery College which is the examination centre. When the incident took place it was witnessed by ICST observer and the Chief superintendent along with the BU flying squads even the police arrived on the spot. The incident was probed further by Mr. Pradeep from ICST who arrived at the spot at 12.30 PM, the investigation went on and it was inferred that an inside & outside hand possibilities which the proxy candidates gave testimonies narrating the entire sequences. The college clerk was asked to come on the spot along with the principal who signed on the hall tickets and admission tickets. The clerk was asked to bring the admission register to verify the original and other detail of the candidate by Mr. Pradeep, the clerk came after 1 hour and there were three different candidates on Mr. JAYARAM YADAV profile i.e., the admission register had a different photo, the hall ticket had a different photo and the proxy candidate was on the college ID card. Mr. Pradeep along with the Chief Superintendent of Cauvery College Dr. Rajesh decided to further probe into the issue and started questioning the principal of Diana College along with the clerk in the presence of the agent who brought the proxy candidates in place of the actual candidate. The agent confessed that he sort the help of the clerk to clear things and place the photo of the proxy candidates in the admission ticket / College ID card respectively. We took the confession statements from the agents as well as proxy candidates who were current students of reputed colleges in Bangalore. At last the clerk & the principal of Diana College apologized to us and gave a letter in writing the blunders they did. The police witnessed the incident and further action was taken by the CS in this regard.

58 Complaint No : CMT - 655
Raised by : Hemanthkumar
Created On : 29-06-2010

With reference to the register number 07DDA20261 I Mr.HEMANTH KUMAR of K. R. Puram college had applied for photocopy results of 1 st semester on 17-2 -2010 at 11 am, of BA results but i didnt received my results . I have been to BU for more than 40 times but no relief for my problem.I have also consulted Registrar but no relief for my problem.I had also approached JAMAAL but no relief.

59 Complaint No : CMT - 656
Raised by : ABHILASH R
Created On : 29-06-2010

with reference to register no 07BXC10002 I ABHILASH R had applied for photocopy of my 1st semester on 25-02-2010. but i didnt get the photocopy results in our college(V V PURAM COLLEGE OF ARTS & COMMERCE) and i have completed my 6th semester B COM. Regarding this i had approached special officer Mr. JAMAAL .but still awaiting for their reply so kindly help me out.

60 Complaint No : CMT - 722
 Raised by : Mohan
 Created On : 06-07-2010

Only 3 students of BNM College has passed the subject Labour law others have scored very good marks in all other subjects, so it is requested to check the Answer Scripts with the OMR Result sheet

61 Complaint No : CMT - 723
 Raised by : S.Hanumantha Prasad
 Created On : 06-07-2010

1.SEM B.ED STUDENT FOUND COPYING THROUGH BITS WAS SENT OUT OF EXAMINATION HALL NAME OF THE CANDIDATE:Lalith Mohan reddy .REG.NO.09UED05075 .& ANSWER BOOKLET NO. 0627452.

62 Complaint No : CMT - 724
 Raised by : N.Sridhar
 Created On : 06-07-2010

1.SEM B.ED STUDENT OF RAJIV GANDHI COLLEGE, FOUND COPYING THROUGH BITS WAS SENT OUT OF EXAMINATION HALL.REG.NO.09HPDO5009 .& ANSWER BOOKLET NO. 1098664.

63 Complaint No : CMT - 725
 Raised by : S.Hanumantha Prasad
 Created On : 06-07-2010

1.SEM B.ED STUDENTOF UNITY COLLEGE OF EDUCATION FOUND COPYING BY WRITING ON THE PAD WAS SENT OUT OF EXAMINATION HALL .REG.NO.09H7D05056.& ANSWER BOOKLET NO. 062044

64 Complaint No : CMT - 826
 Raised by : H.S.Sadashivappa Indian CST ID-326
 Created On : 16-09-2010

Student found copying through chit Reg.no:09F1A01500 Answerbookletno:403482 Name of the candidate:Basavaraj BA 1st year Subject : History hall ticket seized & Debarred

65 Complaint No : CMT - 727
 Raised by : MargerettTatagari
 Created On : 06-07-2010

student from M.V.J. Name of the student Nandini S G Reg No. 09EEDO5016 Answer Booklet No.1460453 copying from the note written on the exam pad

66 Complaint No : CMT - 728
 Raised by : G.S.Eashwariah
 Created On : 06-07-2010

student from Ganga Kaveri College Name of the student TarakeshwaraMahto Roll No.09GVD05056 copying from bit of paper subject: CCM of teaching of Physics B.Ed. 1st Sem

67 Complaint No : CMT - 732
Raised by : SreenathChavan
Created On : 06-07-2010

10 Students of KIET College 1st SemB.edSubject:Fundamentals of education psychology were found copying through bits were Debarred from 1 stSem names Reg .no Answer booklet no.

Mohammed Gulam Hider 09HSD05005	1634190
Rajesh Kumar Mohtt 09HSD05009	1634194
Manwar Kumar Mohtt 09HSD05019	1679504
ParimalMohtt 09HSD05020	1679505
SandeepSood 09HSD05035	1679159
Bikash Chandra 09HSD05040	1679525
BiplabMohtt 09HSD05041	1679126
RamapadaMohtt 09HSD05049	1679533
Shanthi Ram Mohtt 09HSD05051	1679535
Sukumar Pal 09HSD05055	1679539

68 Complaint No : CMT - 733
Raised by : MalathiVadiraj
Created On : 06-07-2010
Shortage of QP 15 Subject History & Maths

69 Complaint No : CMT - 734
Raised by : G.Mani
Created On : 06-07-2010
15 Reg No of the Students found in OMR sheet who have not paid Examination fees,Students also doesn't appear for exams

70 Complaint No : CMT - 736
Raised by : D.ChandraSegaran
Created On : 06-07-2010
Vikas Kumar Student of SEA College found copying was sent out of the Examination Hall.Reg no: 09HVD05038

71 Complaint No : CMT - 737
Raised by : S.Hanumantha Prasad
Created On : 06-07-2010
REPEATER RAJENDRA KUMAR DARBE Student of st.Paul's college had chit Regno : 08UEDO5059 Answer booklet no : 1051623 Subject History & Civics , His hallticket was seized

72 Complaint No : CMT - 754
Raised by : Pradeep Kumar J
Created On : 09-07-2010

On 3/7/2010 exams started at 10.am in Vijendra College in Kolar Gold Fields, the question papers were distributed in 2 rooms on the first floor started by 10.30am and the students were writing the exam directly from the chits & books distributed and monitored by the college chairman's son who was the invigilator in one of the room. At 10.10am Mr. Pradeep informed the BU squad chief in-charge in kolar district Mr.Rajashekar, the BU squad came to the centre @ 10.15am before they arrived the Registrar Evaluation called Mr. Pradeep and took

a brief report on the mal practices and he also spoke to the C.S to verify the incident.

The BU squad went around to check for more mal practice, the water boy apparently discarded all the chits in the first floor, 2 persons were found having chit by Mr.Pradeep in the ground floor and was put across to the BU squads. The BU squads seized all the booklets which was distributed at 10.am with Question paper in the first floor as per the instructions from Registrar evaluation. One impersonation case was found but escaped at the last moment caught by the BU squad, when it was cross checked in the admission register, there were 2 colleges tagged to it, NoorieBEd., college of education & Aristotile college of education and Vijendra college registered under Saraswathi trust which is the examination centre. None of the colleges maintained their admission register and the only college with photos were Nooriecollege. Aristotile college did not paste a single photo of its candidates in the admission register.

The examination centre that is the Vijendracollege did not have the admission enrolled for the current year. Their were a lot of discrepancies in the ID card and the hall ticket of all the candidates in the college . The ICST observer deputed to the college came @ 10.40am and all the incidents was brought to notice of ICST CONTROL. The observer did not have the checklist at that time and he was not present when the Question paper was opened, even the BU squad complained about this to Mr.Pradeep& requested for some Aggressive person to be posted from next conduct of exam.

73 Complaint No 997 :- **MC**

Raised by : Achala Ram

Created On : 06-08-2010

Since two months have been over to my representation dated 05.07.2010 sent to Registrar, Bangalore University, JnanaBharati Campus, but till today no response is received from any quarter. Kindly do the justice at the earliest.

74 Complaint No : CMT - 813

Raised by : IramNaaz

Created On : 25-08-2010

I the student of KLES S Nijalingappa college, rajajinagar have been declared fail (zoology paper 7- marks 17 out of 60) in the result sheet from college, hence i applied for photocopy & recieved, which shows a passing marks of 29 out of 60.therefore, I kindly request you to rectify my results & marks in my marks card at the earliest & oblige.

Thanking you.

IramNaaz.

75 Complaint No : CMT - 814

Raised by : SharjeelAshhad

Created On : 26-08-201 This is to inform you that I am a student of DayanandaSagar college of arts, science and commerce having a registration number as 07CQS70066. My result shows 14 marks out of 60 in BIO-CHEMISTRY PAPER-8(THEORY) and after applying for the photocopy of my answer sheet I found that my answer sheet for the same subject is missing as informed by the university authorities. Therefore, it is my kind request to please rectify my problem as soon as possible as I am unable to apply anywhere for my Post graduation. I am not having a back in any of my previous semesters and my aggregate in BSc is 70%. Waiting to hear from you soon.

76 Complaint No : CMT - 822

Raised by : H.S.Sadashivappa ICST - 326

Created On : 16-09-2010

Student found copying through a note of 8pages Reg.no:09F1AO15758 Answerbookletno: 749480 Name of the candidate:Girija BA 1st year Subject : History hall ticket seized & sent out

- 77 Complaint No : CMT - 823
 Raised by : H.S.Sadashivappa Indian CST ID-326
 Created On : 16-09-2010
 Student found copying through a note of 2 pages Reg.no:09OUCO1126 Answerbookletno:224241 Name of the candidate:Mamatha.M.Mehata B.com 1st year Subject : CLSP hall ticket seized & sent out
- 78 Complaint No : CMT - 824
 Raised by : S.V.BASAVARAJU IndianCST-289
 Created On : 16-09-2010
 Student found copying through a bit Reg.no:080uco1838 Answerbookletno:421561 B.com 1st year Subject : CLSP sent out of the examination hall
- 79 Complaint No : CMT - 910
 Raised by : VIJAYA COLLEGE
 Created On : 18-09-2010
 Photocopy is available but to be collected by the student.. No contact number given.
- 80 Complaint No : CMT - 911
 Raised by : J.Rajesh
 Created On : 18-09-2010
 TO BE ATTENDED BY BU.
 21-12-10 delivered
- 81 Complaint No : CMT - 1030
 Raised by : T.N. Prabhakar
 Created On : 06-10-2010

We are very much thankful to ICST for providing opportunity to observe the evaluation process of UG correspondence courses at natural science block central college campus bangalore .

The valuation process gone smoothly without two big rooms and two passages are provided due to non-availability of space passages are provided. In passage the space is not convenient. The students are going to revaluation centre for enquiry and engineering students are going to get clarification of marks cards in engineering section room this will disturb the valuations. We have sent one by one students for engineering we have allowed unauthorised person entry into the valuation centre one security person to be deployed at the entrance of valuation centre , valuation is going from 10.00am to 8.00pm. Lot of mosquitoes are there in valuation room and passage.

Lecturers are coming to valuation centre before or after their college duty hours and we are working upto 8.00pm. No time restriction for valuation work because colleges are reopened some lecturers are using mobile phones even instructions are given by custodian not to use some lecturers are using mobiles as calculator we have insisted to them not use mobile while evaluation is going on.

First aid Box to be provided at valuation centre fire extinguisher to be provided at the valuation centre. CC TV to be provided at valuation centre. ID cards to be provided to valuations.

Chief custodian prof. Nataraj is very co-operative to ICST staff

- 82 Complaint No : CMT - 1067
 Raised by : Raja Seevan
 Created On : 28-10-2010

Indian CST recommends that the Nov-Dec 2010 Exam Results should be hosted only from the BU portal as data needs to be retained with BU on its Servers and not hosted on other websites servers outside the BU jurisdiction that needs to be corrected immediately otherwise the confidential students results Database of results created by BU is moving out which is the asset of BU just because of few servers not available.

83 Complaint No : CMT - 1064
Raised by : BASKAR
Created On : 27-10-2010
Please bring to the notice of the BU VC

84 Complaint No : CMT - 1097
Raised by : baskar
Created On : 26-11-2010
having details registration no. and name
07UHS70011 YOGITA C. JAVKAR
GENETICS VII

(relating to BSC VI SEM) had already been forwarded to BU office along with dd against our revaluation statement sl.no.322 but BU officials had misguided the student and sent to ICST for result and marks sheets and the student brother is shouting in our premises saying that he will complain to commissioner about this. ICST is no way connected to results, marks cards, etc this is for your information

85 Complaint No : CMT - 1189
Raised by : D. Bhaskaran
Created On : 24-02-2011

I had requested latest Revaluation Data and Schema of pass percentages for various subject and Marks List. This has not been handed over to us till Data inspite of repeated requests. We are unable to complete the report due to non-availability of this data .

Also Some BU Staff are deliberately sending students to ICST PMO for collection of Photocopies pertaining to Nov-Dec-2010 Examinations.

86 Complaint No : CMT - 1185
Raised by : Bhaskaran. D
Created On : 17-02-2011

Again the revaluation section are sending students to ICST PMO by telling the students that ICST has not handed over the original script to revaluation section. Again and again I have to inform the students that the scripts are with the respective custodians of valuation centres and ICST is not the owner of the scripts. I have informed Sid-daraju about the same. One of the student argued that ICST has taken 25 Lakhs for searching the scripts . I told the students to show me the purchase order issued by BU on ICST for searching the script. They did not have any answers and informed that this information was given by some guys in Revaluation section and they are forcing them to go to ICST PMO and create a ruckus.

87 Complaint No : CMT - 1184
Raised by : Banumathi M
Created On : 17-02-2011

went and spoken to Mr.Narayana Gowda and explained that up to sl.no.626 you officials had accepted and we cannot change the format from sl.no.627 onwards. after explaining he had accepted

88 Complaint No : CMT - 1177
Raised by : Bhaskaran

Created On : 05-02-2011

DO NOT GIVE ANY INFO TO ANYONE IF THEY DONT SUBMIT THEIR REQUEST TO INDIAN CST IN WRITING

89 Complaint No : CMT - 1172

Raised by : banu

Created On : 27-01-2011

had requested Mr. Chandra sekar to give the keys for ICST staff to use ladies toilet. Mr.Chandrasekar Engineer he is insulting us and asking us to use mens toilet. This is how they are behaving with ICST STAFF and this has become very difficult to work in this atmosphere.

90 Complaint No : CMT - 1138

Raised by : D. Bhaskaran (ICST PMO)

Created On : 31-12-2010

Talk to the BU VC, Registrar and if required lets go ahead File the FIR against the student

91 Complaint No : CMT - 1131

Raised by : Santhosh Singh Huidrom

Created On : 16-12-2010

Take the printout and give to BU VC office

92 Complaint No : CMT - 1124

Raised by : narayanan

Created On : 13-12-2010

BU has transced out the original answer script of Ms.MUMUITA DAS against Reg No.:07P4CO8011

(Sub: Bus Research Methodis BBM iv sem only in December 2010). In respect of her application for photocopy as the candidate require revaluation urgently Professor Siddaraju -cheif of custodian had requested for issuing of photocopy urgently on 10.12.2010 at 10.30 am Friday. As the scanners were not available as suggested by Sid-daraju photocopy was given to the candidate without scanning the original and she had applied for revaluation.

93 Complaint No : CMT - 1110

Raised by : Bhaskaran. D

Created On : 02-12-2010

Met Registrar (Evaluation) . RE informed that VC yet to see the letter and VC was not in office. He will discuss and let us know.

Met Mr Jamal and asked to issue a work order for the photocopy and revalaution services rendered. He advised me RE is the authority for this.

Some Loopholes at the Conduct of Exams



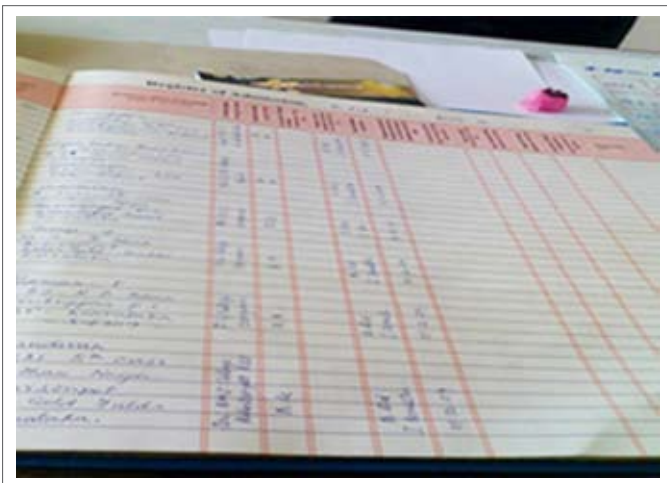
Students writing exam before the actual start time (10-26AM)
Exam start time is 10-30 AM



Students writing exam before the actual start time (10-26AM).



Student having multiple ID cards.



Admission register without photos.

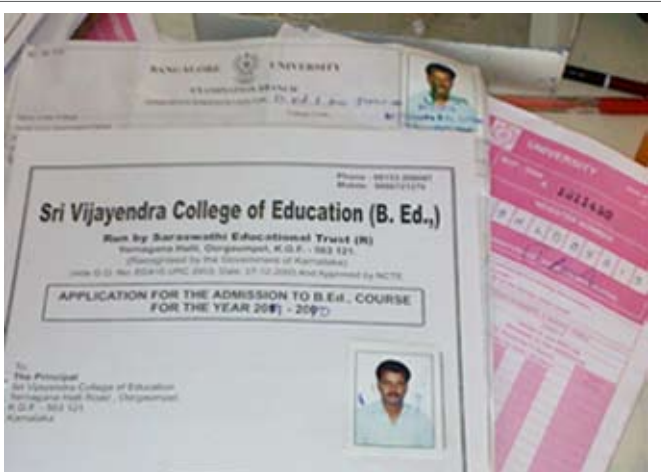
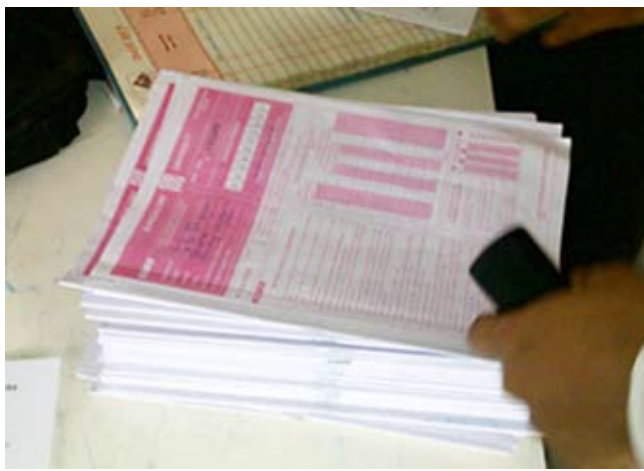


Photos of original candidates as per admission register.



Photo of proxy candidates and agent.

Pre-Exam Preparations



First Semester Nov-Dec 2009 Marks Card available online to view



Bangalore University
 For Quality and Excellence in Higher Education

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View Student Results

Search

Select Course: -----Select----- Enter Your Registration Number: Get Results Report

STATEMENT OF MARKS
 Date: 30-07-2010

Degree: BACHELOR OF HOTEL MANAGEMENT

Course: B.H.M

Year/Sem: 1

Month & Year of Examination 11/2009


 AMAL BABY

Sl No	Subject	Max Marks	Min Marks	Marks Obtained in Figures	Marks Obtained in Words	Remarks
1	ADDITIONAL ENGLISH ADE101 INTERNAL ASSESSMENT	10	0	10	Ten	PASS
2	ADDITIONAL ENGLISH ADE101 THEORY-I	50	32	45	Forty Five	PASS
3	1.1 FOOD & BEVERAGE PRODUCTION I CC1501 THEORY-I	50	32	19	Nineteen	RE-APPEAR
4	1.1 FOOD & BEVERAGE PRODUCTION I CC1501 INTERNAL ASSESSMENT	20	0	20	Twenty	PASS
5	1.2 FOOD & BEVERAGE SERVICE I CC1502 INTERNAL ASSESSMENT	20	0	20	Twenty	PASS
6	1.2 FOOD & BEVERAGE SERVICE I CC1502 THEORY-I	50	32	44	Forty Four	PASS
7	1.3 FRONT OFFICE I CC1503 INTERNAL ASSESSMENT	20	0	20	Twenty	PASS
8	1.3 FRONT OFFICE I CC1503 THEORY-I	50	32	54	Fifty Four	PASS
9	1.3 FRONT OFFICE I CC1503 PRACTICAL	50	20	39	Thirty Nine	PASS
10	1.4 HOUSE KEEPING I CC1504 PRACTICAL	50	20	32	Thirty Two	PASS
11	1.4 HOUSE KEEPING I CC1504 INTERNAL ASSESSMENT	20	0	20	Twenty	PASS
12	1.4 HOUSE KEEPING I CC1504 THEORY-I	50	32	59	Fifty Nine	PASS
13	1.5 COMMUNICATIVE ENGLISH-I CC1505 THEORY-I	50	32	55	Fifty Five	PASS
14	1.5 COMMUNICATIVE ENGLISH-I CC1505 INTERNAL ASSESSMENT	20	0	20	Twenty	PASS
15	1.6 HOTEL FINANCIAL ACCOUNTING CC1506 INTERNAL ASSESSMENT	20	0	20	Twenty	PASS
16	1.6 HOTEL FINANCIAL ACCOUNTING CC1506 THEORY-I	50	32	38	Thirty Eight	PASS

Grand Total 515/800

(in words) Five Hundred Fifteen

Note: (i) THE MINIMUM FOR A PASS IN EACH THEORY PAPER AND PRACTICALS IS 35% AND 40% AGGREGATE IN EACH SEMESTER INCLUDING INTERNAL ASSESSMENT.

AMAL BABY

Signature of the Candidate

PROF M B KANAGANB

Signature of the Principal/Chairperson

-5d-

Registrar(Evaluation)

Log on to this web site for registration
www.indiancst.in www.bub.ernet.in

Chapter-3

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Data and Analysis

Data collection and analysis is very important in order to determine if we are on the right path and also to determine if we are achieving the targets set.

Data from the various processes has been collated and analyzed to identify areas of improvement.

Given below is data from various activities that have been initiated as part of reforms process and are updated till 07-09-2010.

Scanning of Face sheets, Invigilators Dairy & "A" Form

Al Ameen College

SL. No.	Course	Semester	Subject	Answer Script	A-forms	Invigilator Dairy
1	BHM	8TH	EDP	563		
2			FBM	556		
3			HM	562		
4			BL	629		
			Sub Total	2310		538

1	BHM	4TH	OB	490		
2			FBS	510		
3			FSN	490		
4			FBP	477		
			Sub Total	1967		

1	BHM	2ND	FBS	430		
2			HFS	506	16	
3			FBP	486	10	
4			HE	505	17	
5			CE	417		
6			BS	580	16	
			Sub Total	2924	59	

1	BBM	6TH	FSM	3603	62	
2			MIS	8949	110	
3			LL	2215	39	
4			IR	2150	67	
5			CB	3012		
6			IFF	3521	78	
7			PSM	2737	57	
8			PM	3670	62	
9			HRD	2215	29	
10			MIG	2865	49	
11			AMM	2754		
12			ET	219		
13			IFIB	220		
14			IM	223	27	
15			IHRM	218	7	
16			CFA	3798		
17			LWS	2285		
			Sub Total	44654	587	720

1	BBM	4TH	BRM	991	22	
2			BL	11543		
3			CA	13855	565	
4			FM	12464	91	
5			POM	11128	300	
6			CAB	10239	11	
7			LPB	96		
			Sub Total	59325	989	800

1	BBM	2ND	BS	11463	50	
2			MM	7975	5	
3			OB	12061	47	
4			BET	1570	230	
5			FA	11403	52	
			Sub Total	44472	384	135
			Total	156652	2019	2193

Government Science College

Sl No	Course	Semester	Subject	Answer Script	A-Forms	Invigilator Dairy
1	BSC	4TH	Kannada	2556	120	284
2	BSC	4TH	Sanskrit	285	67	84
3	BSC	4TH	Hindi	783	141	220
4	BSC	4TH	Tamil	65	51	62
5	BSC	4TH	Urdu	60	10	10
6	BSC	4TH	Arabic	43	23	26
7	BSC	4TH	Malayalam	43	14	22
8	BSC	4TH	Telugu	64	32	48
9	BSC	4TH	French	13	13	22
			Sub Total	3912	471	758

1	BCA	4TH	Kannada	1905	148	396
2	BCA	4TH	Sanskrit	295	59	92
3	BCA	4TH	Tamil	61	58	92
4	BCA	4TH	Arabic	75	17	26
5	BCA	4TH	Malayalam	186	52	86
6	BCA	4TH	Hindi	2090	132	266
7	BCA	4TH	Urdu	57	27	16
8	BCA	4TH	French	75	44	80
9	BCA	4TH	Persian	16	13	12
10	BCA	4TH	Telugu	33	36	50
11	BCA	4TH	CNW		1	2
12	BCA	4TH	Unic Operating		3	2
			Sub Total	4793	590	1120

1	B.B.M	4TH	Kannada	5910	290	1493
2	B.B.M	4TH	Hindi	2640	306	639
3	B.B.M	4TH	Urdu	161	80	114
4	B.B.M	4TH	French	82		
5	B.B.M	4TH	Arabic	43	15	14
6	B.B.M	4TH	Sanskrit	383	105	176
7	B.B.M	4TH	Malayalam	243	96	138
8	B.B.M	4TH	Persian	16	6	4
9	B.B.M	4TH	Tamil	87	67	104
10	B.B.M	4TH	Telugu	53	36	60
			Sub Total	9618	1001	2742

1	B.COM	4TH	Kannada	14815	510	684
2	B.COM	4TH	Hindi	4288	249	668
3	B.COM	4TH	Urdu	331	109	124
4	B.COM	4TH	Tamil	196	111	52
5	B.COM	4TH	Sanskrit	348	432	213
6	B.COM	4TH	Telugu	209	90	145
7	B.COM	4TH	French	38	27	16
8	B.COM	4TH	Malayalam	80	7	18
9	B.COM	4TH	Arabic	24	15	36
10	B.COM	4TH	Persian	9	12	6
			Sub Total	20338	1562	1962

1	BA	4TH	Kannada	7164	254	462
2	BA	4TH	Hindi	328	29	52
3	BA	4TH	Sanskrit	41	18	20
4	BA	4TH	Urdu	96	79	80
5	BA	4TH	Telugu	16	13	12
6	BA	4TH	French	6	3	2
7	BA	4TH	Malayalam	26	104	354
8	BA	4TH	Tamil	29	11	18
9	BA	4TH	Arabic	1	31	36
10	BA	4TH	Persian	1	20	32
			Sub Total	7708	562	1068

1	BHM	4TH	French	611	35	108
			Sub Total	611	35	108

1	BA	2ND	Kannada	15676	312	752
2	BA	2ND	Hindi	373	111	183
3	BA	2ND	Sanskrit	53	17	20
4	BA	2ND	Urdu	109	45	44
5	BA	2ND	Malayalam	16		
6	BA	2ND	French	18	10	14
7	BA	2ND	Telugu	15	7	12
8	BA	2ND	Arabic	1	2	4
9	BA	2ND	Tamil	30		
10	BA	2ND	Persian	7		
			Sub Total	16298	504	1029

1	BCOM	2ND	Kannada	16763	594	574
2	BCOM	2ND	Hindi	3736	358	632
3	BCOM	2ND	Urdu	255	111	176
4	BCOM	2ND	Sanskrit	1502	270	200
5	BCOM	2ND	Telugu	223	73	82
6	BCOM	2ND	Tamil	192	100	122
7	BCOM	2ND	Malayalam	54	31	44
8	BCOM	2ND	French	19	33	46
9	BCOM	2ND	Arabic	19	18	16
10	BCOM	2ND	Persian	12	7	8
			Sub Total	22775	1595	1900

1	BSC	2ND	Kannada	2186	149	326
2	BSC	2ND	Sanskrit	324	37	82
3	BSC	2ND	Tamil	82	101	106
4	BSC	2ND	Malayalam	57	34	50
5	BSC	2ND	Telugu	80	33	52
6	BSC	2ND	Urdu	53	24	30
7	BSC	2ND	Persian	22	9	12
8	BSC	2ND	Arabic	6	8	8
			Sub Total	2810	395	666

1	BCA	2ND	Kannada	1567	223	386
2	BCA	2ND	Hindi	1904	156	292
3	BCA	2ND	Telugu	98	23	36
4	BCA	2ND	English	112	3	6
5	BCA	2ND	Sanskrit	158	50	76
6	BCA	2ND	Arabic	100	34	48
7	BCA	2ND	Tamil	74	65	106
8	BCA	2ND	Persian	25	8	10
9	BCA	2ND	Malayalam	87	52	62
10	BCA	2ND	Urdu	26	28	31
11	BCA	2ND	French	94	37	46
			Sub Total	4245	679	1099

1	BBM	2ND	English		1	0
2	BBM	2ND	Hindi	2102		
3	BBM	2ND	Urdu	146	59	89
4	BBM	2ND	Sanskrit	303	105	140
5	BBM	2ND	Persian	39	15	20
6	BBM	2ND	Malayalam	199	75	138
7	BBM	2ND	Arabic	48	29	32
8	BBM	2ND	Tamil	70	50	92
9	BBM	2ND	Telugu	60	28	52
10	BBM	2ND	French	37	30	56
			Sub Total	3004	392	619

1	BHM	2ND	Kannada	20	13	18
2	BHM	2ND	Malayalam	74	8	20
3	BHM	2ND	Hindi	164	24	44
4	BHM	2ND	Tamil	3	4	6
5	BHM	2ND	Telugu	2		
6	BHM	2ND	Sanskrit	10	6	4
7	BHM	2ND	French	16	1	2
			Sub Total	289	56	94
			Total	96401	7842	13185

Home Science College

Sl.No.	Course	Semester	Subject	Answe Scripts	A-Forms
1	B.SC.	6TH	MATHEMATICS VIII	327	30
2	B.SC.	6TH	MATHEMATICS VIII	3161	270
3	B.SC.	6TH	MATHEMATICS VII	2784	260
4	B.SC.	6TH	ZOOLOGY VII	2130	211
5	B.SC.	6TH	SERICULTURE		
6	B.SC.	6TH	ECONOMICS -VII		
7	B.SC.	6TH	PSYCHOLOGY VIII		
8	B.SC.	6TH	GEOLOGY VII &VIII		
9	B.SC.	6TH	PLANT BIOTECHNOLOGY VIII		
10	B.SC.	6TH	PLANT BIOTECHNOLOGY VII	3610	360
11	B.SC.	6TH	GENETICS VII & VIII & COMPUTER SCIENCE VII	4510	460
13	B.SC.	6TH	INDUSTRIAL BIOTECHNOLOGY & CHEMISTY VIII		
14	B.SC.	6TH	MICRO BIOLOGY	5550	560
15	B.SC	6TH	COMPUTER SCIENCE VIII & BOTANY		
16	B.SC.	6TH	BIO CHEMISTRY VIII & BIO CHEMISTRY VII		
17	B.SC.	6TH	INDUSTRIAL BIO TECHNOLOGY & PHYSICS VII &		
18	B.SC.	6TH	CHEMISTRY VIII	5553	54
19	B.SC	6TH	PHYSICS VII	567	60
20	B.SC.	6TH	INDUSTRIAL BIO TECHNOLOGY	540	40

21	B.SC.	6TH	ENTREPRENRSHIP	264	40
22	B.SC.	6TH	BIO CHEMISTRY VII	956	90
23	B.SC.	6TH	MATHEMATICS VIII	13	1
24	B.SC.	6TH	CHMISTRY VIII	590	90
25	B.SC.	6TH	APPEARAL M&M	199	20
26	B.SC.	6TH	FASHION M&M	336	30
27	B.SC.	6TH	SALES P&P	98	10
28	B.SC.	6TH	BIO CHEMISTRYVIII	480	50
29	B.SC	6TH	APPEREL Q&A	243	40
30	B.SC.	6TH	SALES P & P	148	20
31	B.SC.	6TH	APPEAREL M&M	216	20
32	B.SC.	6TH	MICRO	95	30
33	B.SC.	6TH	ENTREPREUNERSHIP	508	10
34	B.SC.	6TH	INDUSTRIAL BIO TECHNOLOGY	71	50
35	B.SC.	6TH	CHEMISTRY VIII	348	10
36	B.SC.	6TH	MATHMATICS VIII	552	50
37	B.SC.	6TH	ZOOLOGY VIII	177	20
38	B.SC.	6TH	ENTERPREUNERSHIP & DEVOLOPMENT	17	2
39	B.SC.	6TH	FOOD SERVICE & MANAGEMENT	7	1
40	B.SC.	6TH	COMMUNITY N A	10	1
41	B.SC.	6TH	PROJECT MANAGEMENT THEORY	7	1
42	B.SC.	6TH	OFFICE MANAGEMENT & HOUSE KEEPING	8	1
43	B.SC.	6TH	PRINCIPALS OF ECE & EDUCATION	7	1
44	B.SC.	6TH	FAMILY AND CHILD WELFARE	20	2
45	B.SC.	6TH	HOUSE AND INTERIOR DECORATION	27	4
46	B.SC.	6TH	APPEREL MARKETING AN D MERCHANDISING	7	1
47	B.SC.	6TH	B S L P A	278	40
48	B.SC	6TH	FASHION M&M	55	10
49	B.SC.	6TH	CHEMISTRY VII	92	20
50	B.SC.	6TH	ELECTRONICS VIII	27	4
51	B.SC.	6TH	PHYSICS VIII	1275	130
52	B.SC.	6TH	PHYSICS VII	587	70
53	B.SC.	6TH	INDUSTRIAL BIO TECHNOLOGY	42	11
54	BSC	6TH	PHYSICS VIII	1128	11
55	B.SC.	6TH	MICRO BIOLOGY	430	4
56	B.SC.	6TH	MATHMATICS VII	591	6
57	B.SC.	6TH	COMPUTER SCIENCE VII	68	1
58	BSC	6TH	BOTONY VII	90	1
59	BSC	6TH	PHYSICS	5	1
60	B.SC.	6TH	MICRO BIOLOGY	320	4
61	B.SC.	6TH	COMPUTER SCIENCE VIII	328	3
62	B.SC.	6TH	SALES P&P	14	1
63	BSC	6TH	ENTREPRENRSHIP	14	1
64	B.SC.	6TH	BIO CHEMISTRY	92	2
65	B.SC.	6TH	CHEMISTRY VIII	68	1

66	B.SC.	6TH	MATHEMATICS VIII	72	1
67	BSC	6TH	CHEMISTRY VII	19	1
67	BSC	6TH	CHEMISTRY VII	19	1
68	B.SC.	6TH	BIO CHEMISTRY VII	119	1
69	B.SC.	6TH	ELECTRONIC VII	960	9
70	BSC	6TH	ELECTRONICS VII	120	1
71	B.SC.	6TH	PHYSICS VIII	40	1
72	B.SC.	6TH	SPEECH LANGUAGE PATHODOLOGY & AUDIOLOGY	40	1
73	B.SC.	6TH			
74	BSC	6TH	MICROBIOLOGY IV	699	8
75	B.SC.	6TH	ELECTRONICS IV	794	7
76	B.SC.	6TH	BIO TECHNOLOGY IV	1248	144
77	BSC	6TH	ELECTRONICS IV	236	2
78	B.SC.	4TH	GENETICS IV	918	8
79	B.SC.	4TH	BIO TECNOLOGY IV	160	3
80	BSC	4TH	TRADITIONAL TEXTILE ART	482	4
81	B.SC.	4TH	CLOTHING COMMUNICATION & CULTURE	120	1
82	B.SC.	4TH	BOTANY - IV	775	7
83	BSC	4TH	STATISTICS IV	434	4
84	BSC	4TH	STATISTICS -IV	165	2
85	B.SC.	4TH	CLOTHING COMMUNICATION& CULTURE	350	3
86	B.SC.	4TH	BIO CHEMISTRY -IV	527	4
87	BSC	4TH	FASHION ACCESSORIES	470	4
88	BSC	4TH	COMPUTER FUNDAMETAL	358	5
89	B.SC.	4TH	GARMENTS SURFACE& ORNMENTS	376	4
90	B.SC.	4TH	ECONOMICS IV	30	1
91	B.SC.	4TH	NUTRITION MANGEMENT FOR HEALTH AND DIEACS	16	1
92	BSC	4TH	HISTORICAL COSTUMES	383	5
93	B.SC.	4TH	FAMILY STUDIES AND CHILD WEALFARE	11	1
94	B.SC.	4TH	COMMUNICATION PROCESS IN EXTENTION	11	1
95	B.SC.	4TH	FINICIAL MANAGEMENT	11	1
96	BSC	4TH	BASIC DETEX AND FOOD COMMODITIES	11	1
97	BSC	4TH	MATHS	594	40
98	BSC	4TH	MATHS	2357	235
99	BSC	4TH	PHYSICS	184	16
100	BSC	4TH	CHEMISTRY IV	1784	18
101	BSC	4TH	COMPUTER SCIENCE IV	1662	16
102	BSC	4TH	PHYSICS	3300	312
103	BSC	2ND	MATHS	1921	155
104	BSC	2ND	MATHS	2490	251
105	BSC	2ND	CHEMISTRY II	434	5
106	BSC	2ND	CHEMISTRY II	1163	12
107	BSC	2ND	CHEMISTRY II	1445	12
			Total	66899	4517

Maharani College

Sl No	Course	Semester	Subject	Answer Scripts	A-Form	Invigilator Dairy
1	BCA	6TH	DESIGN AND ANALYSIS OF ALGORITHMS	4614		
2	BCA	6TH	E-COMMERCE	4557	205	
3	BCA	6TH	COMPUTER GRAPHICS	4573	149	548
4	BCA	6TH	INTERNET INFORMATION TECHNOLOGY	328	99	48
5	BCA	6TH	ARTIFICIAL INTELLEGEANCE	444	62	18
6	BCA	6TH	CN2	438	49	46

1	BCA	5TH	CN1	133	2	52
2	BCA	5TH	JAVA	224	2	14
3	BCA	5TH	SM	262	3	21
4	BCA	5TH	ADA	195	1	29

1	BCA	4TH	DATA COMMUNICATION NETWORK	5549	49	
2	BCA	4TH	VISUAL PROGRAMMING	5424	81	678
3	BCA	4TH	UNIX	5459	16	805
4	BCA	4TH	MICROPROCESSOR REPEATERS	806	50	212
5	BCA	4TH	DATA COMMUNICATION NETWORK REPEATERS	803	96	690
6	BCA	4TH	SYSTEM PROGRAMMING REPEATERS	782		222
7	BCA	4TH	R UNIX	435	97	
8	BCA	4TH	SYSTEM ANALYSIS AND DESIGN	901	53	231
9	BCA	4TH	SYSTEM SOFTWARE OLD	114	3	
10	BCA	4TH	COMPUTER GRAPHICS OLD	93	27	
11	BCA	4TH	SOFTWARE ENGINEERING OLD	67	24	64
12	BCA	4TH	UNIX OLD	58		

1	BCA	3RD	DBMS	58		
2	BCA	3RD	C++ OLD	88		
3	BCA	3RD	OPERATING SYSTEM OLD	51		
4	BCA	3RD	AFM OLD	93		4
5	BCA	3RD	CONM	91	15	72

1	BCA	1ST	MATHEMATICAL FOUNDATION	9		
2	BCA	1ST	PROGRAMMING IN C	10	3	18
3	BCA	1ST	COMPUTER ORGANISATION 2 MICROPROCESSOR	10		
4	BCA	1ST	PROBABILITY STATISTICS	7		
			Total	51182	1120	3934

1	BCA	2ND	MATHEMATICS	4359	13	52
2	BCA	2ND	C++	4148	2	20
3	BCA	2ND	DBMS	4094	19	76
4	BCA	2ND	DESCRETE MATHEMATICAL STRUCTURE	9		
5	BCA	2ND	DATA STRUCTURE USING C	22		6
6	BCA	2ND	COBOL	5		4
7	BCA	2ND	SAD	6		
8	BCA	2ND	BCPD	3		
9	BCA	2ND	OPERATING SYSTEM	342		
10	BCA	2ND	NSM	491		
11	BCA	2ND	R DSC	558		
12	BCA	2ND	HR	258		4
13	BCA	2ND	EVS	211		

SJRC

Sl. No.	Course	Semester	Subject	Answer Script	Invigilator Dairy
1	BA	6TH	HISTORY VII & VIII	14528	
2	BA	6TH	POLITICAL SCIENCE	8142	
3	BA	6TH	SOCIOLOGY VII & VIII	4763	
4	BA	6TH	GEOGRAPHY	564	
5	BA	6TH	ECONOMICS VII & VIII	14848	
6	BA	6TH	OPTIONAL TELUGU	2	
7	BA	6TH	PSYCHOLOGY VII & VIII	1534	
8	BA	6TH	OPTIONAL KANNADA	2343	
9	BA	6TH	OPTIONAL HINDI VII & VIII	6	
10	BA	6TH	OPTIONAL ENGLISH	576	
11	BA	6TH	OPTIONAL TELUGU		
12	BA	6TH	OPTIONAL TAMIL		
13	BA	6TH	OPTIONAL URDU		
14	BA	6TH	JOURNALISM		
15	BA	6TH	TOURISM		

1	BA	4TH	POLITICAL SCIENCE	5108	
2	BA	4TH	ECONOMICS	8658	
3	BA	4TH	JOURNALISM	862	
4	BA	4TH	SOCIOLOGY	2535	
5	BA	4TH	VOCATIONAL OFFICE	37	
6	BA	4TH	COMPUTER SCIENCE	42	
7	BA	4TH	COMM PROCESS DEV	39	
8	BA	4TH	TOURISM	80	
9	BA	4TH	WRITING FOR MEDIA	34	
10	BA	4TH	COM ENGLISH MARKETING	55	

11	BA	4TH	BUSINESS ORGANISATION	32	
12	BA	4TH	BUSINESS WRITING	47	
13	BA	4TH	OPTIOANL URDU	20	
14	BA	4TH	INDUSTRIAL RELATE	20	
15	BA	4TH	HISTORY	8116	
16	BA	4TH	OPTIONAL SANSKRIT	1	
17	BA	4TH	GEOGRAPHY	307	
18	BA	4TH	OPTIONAL HINDI	5	
19	BA	4TH	OPTIONAL KANNADA	1349	
20	BA	4TH	MUSIC	6	
21	BA	4TH	PSYCHOLOGY	838	
22	BA	4TH	RURAL DEVELOPMENT	6	
23	BA	4TH	OPTIONAL TELUGU	1	
24	BA	4TH	WOMEN STUDIES	12	
25	BA	4TH	OPTIONAL TAMIL	2	

1	BA	2ND	ECONOMICS	11677	
2	BA	2ND	OPTIONAL ENGLISH	917	
3	BA	2ND	HISTORY	11743	
4	BA	2ND	OPTIONAL KANNADA	1477	
5	BA	2ND	PSYCHOLOGY	967	
6	BA	2ND	SOCIOLOGY	3384	
7	BA	2ND	JOURNALISM	945	
8	BA	2ND	COMPUTER SCIENCE	88	
9	BA	2ND	GEOGRAPHY	391	
10	BA	2ND	DANCE THEORY	3	
11	BA	2ND	MANKETING	12	
12	BA	2ND	POLITICAL SCIENCE	6416	
Total				113538	21000

R.C College

SL. NO.	Course	Semester	Subject	Answer Script	A-Form	Invigilator Dairy
1	BCOM	2ND	ENGLISH	25256		
2	BSC	2ND	ENGLISH	5062		
3	BCA	2ND	ENGLISH	3538		
4	BBM	2ND	ENGLISH	9283	346	592
5	BA	2ND	ENGLISH	18094	218	1142

1	BCA	4TH	ENGLISH	5245		
2	BSC	4TH	ENGLISH	4290		
3	BA	4TH	ENGLISH	8334	96	611
4	BCOM	4TH	ENGLISH	23550		
5	BBM	4TH	ENGLISH	4600		
			Total	107252	660	2345

Revaluation Process

Sixth Semester

Sl.No	Course	Photo Copy	Revaluation	Percentage Revaluation	Challenge Valuation	Percentage
1	B.A	233	-		-	
2	B.Sc	720	391	54	06	0.8
3	B.Com	1468	782	53	-	
4	BCA	810	560	69	48	6
5	BBM	621	400	64	11	1.8
6	BHM	01	-		-	

Fourth Semester

Sl.No	Course	Photo Copy	Re-Valuation	Challenge Valuation
1	B.A	545	-	-
2	B.Sc	485	-	-
3	B.Com	1553	-	-
4	BCA	500	-	-
5	BBM	710	-	-
6	BHM	19	-	-

Second Semester

Sl.No	Course	Photo Copy	Re-Valuation	Challenge Valuation
1	B.A	320	-	-
2	B.Sc	-	-	-
3	B.Com	782	-	-
4	BCA	325	-	-
5	BBM	400	-	-
6	BHM	11	-	-

BCA Fourth Semester Mismatch Data

Sl No	Reg No	Subject Code	Subject	OMR Marks	FaceSheet Marks	Answer Script No	Remarks
1	07YJSB3017	SB4403	SYSTEM PROGRAMMING	32	24	519158	Mismatch
2	07AFSB3012	SB4404	DATA COMMUNICATIONS AND NETWORKS	40	39	996233	Mismatch
3	07AHSB3023	SB4402	SYSTEMS ANALYSIS & DESIGN	32	25	1669826	Mismatch
4	07ARSB3006	SB4403	SYSTEM PROGRAMMING	10	9	1710007	Mismatch
5	07ARSB3043	SB4403	SYSTEM PROGRAMMING	7	8	1687751	Mismatch
6	07ARSB3013	SB4404	DATA COMMUNICATIONS AND NETWORKS	51	41	535026	Mismatch
7	07B7SB3024	SB4402	SYSTEMS ANALYSIS & DESIGN	53	35	1794341	Mismatch
8	07BMSB3080	SB4402	SYSTEMS ANALYSIS & DESIGN	47	48	1485438	Mismatch
9	07BMSB3058	SB4403	SYSTEM PROGRAMMING	58	42	375435	Mismatch
10	07BMSB3081	SB4403	SYSTEM PROGRAMMING	32	15	323079	Mismatch
11	07BMSB3025	SB4402	SYSTEMS ANALYSIS & DESIGN	35	20	362969	Mismatch
12	07BMSB3080	SB4404	DATA COMMUNICATIONS AND NETWORKS	40	39	1299799	Mismatch
13	07BMSB3067	SB4404	DATA COMMUNICATIONS AND NETWORKS	42	44	796044	Mismatch
14	07BRSB3046	SB4402	SYSTEMS ANALYSIS & DESIGN	46	48	1240211	Mismatch
15	07CQSB3063	SB4403	SYSTEM PROGRAMMING	2	1	994982	Mismatch
16	07CQSB3066	SB4403	SYSTEM PROGRAMMING	1	2	994979	Mismatch
17	07CQSB3064	SB4403	SYSTEM PROGRAMMING	2	1	994983	Mismatch
18	07CQSB3005	SB4403	SYSTEM PROGRAMMING	4	2	1994974	Mismatch
19	07CQSB3007	SB4403	SYSTEM PROGRAMMING	32	28	994964	Mismatch
20	07CQSB3005	SB4403	SYSTEM PROGRAMMING	4	19	994942	Mismatch
21	07CQSB3007	SB4403	SYSTEM PROGRAMMING	32	38	994943	Mismatch
22	07CQSB3155	SB4403	SYSTEM PROGRAMMING	11	10	994938	Mismatch
23	07CQSB3131	SB4403	SYSTEM PROGRAMMING	3	2	994994	Mismatch
24	07CQSB3087	SB4403	SYSTEM PROGRAMMING	2	1	994987	Mismatch
25	07JLSB3012	SB4403	SYSTEM PROGRAMMING	8	5	1231033	Mismatch
26	07JLSB3013	SB4403	SYSTEM PROGRAMMING	5	4	1231034	Mismatch
27	07DKSB3137	SB4401	UNIX OPERATING SYSTEM	32	31	1999396	Mismatch
28	07DKSB3137	SB4403	SYSTEM PROGRAMMING	0	1	1976003	Mismatch
29	06DVSB3035	SB3401	SYSTEM SOFTWARE	38	39	318021	Mismatch
30	07DVSB3016	SB4403	SYSTEM PROGRAMMING	32	22	323998	Mismatch
31	07DVSB3099	SB4403	SYSTEM PROGRAMMING	3	2	340089	Mismatch
32	07JHSB3020	SB4403	SYSTEM PROGRAMMING	33	32	1568749	Mismatch
33	07QCSB3003	SB4403	SYSTEM PROGRAMMING	33	32	1568752	Mismatch
34	07JJSB3058	SB4404	DATA COMMUNICATIONS AND NETWORKS	29	24	978675	Mismatch
35	07JMSB3050	SB4402	SYSTEMS ANALYSIS & DESIGN	0	22	849951	Mismatch
36	07JMSB3017	SB4403	SYSTEM PROGRAMMING	14	13	958511	Mismatch
37	07JMSB3050	SB4403	SYSTEM PROGRAMMING	0	13	958512	Mismatch
38	07KDSB3004	SB4403	SYSTEM PROGRAMMING	32	13	1651991	Mismatch
39	07KSSB3019	SB4402	SYSTEMS ANALYSIS & DESIGN	37	35	1941849	Mismatch
40	07KUSB3075	SB4402	SYSTEMS ANALYSIS & DESIGN	44	49	1837792	Mismatch
41	07KUSB3002	SB4403	SYSTEM PROGRAMMING	32	24	1393539	Mismatch
42	07MDSB3035	SB4403	SYSTEM PROGRAMMING	32	25	842446	Mismatch

43	07N9SB3006	SB4401	UNIX OPERATING SYSTEM	10	8	1963988	Mismatch
44	07PWSB3048	SB4401	UNIX OPERATING SYSTEM	3	2	1963998	Mismatch
45	06NUSB3024	SB4402	SYSTEMS ANALYSIS & DESIGN	40	39	943501	Mismatch
46	07NVS3067	SB4404	DATA COMMUNICATIONS AND NETWORKS	35	40	223298	Mismatch
47	07P3SB3032	SB4404	DATA COMMUNICATIONS AND NETWORKS	32	33	872901	Mismatch
48	07P3SB3022	SB4404	DATA COMMUNICATIONS AND NETWORKS	32	39	657490	Mismatch
49	07QCSB3035	SB4401	UNIX OPERATING SYSTEM	18	32	604723	Mismatch
50	07QCSB3035	SB4402	SYSTEMS ANALYSIS & DESIGN	1	19	620659	Mismatch
51	07QCSB3035	SB4403	SYSTEM PROGRAMMING	0	16	672282	Mismatch
52	07QCSB3035	SB4404	DATA COMMUNICATIONS AND NETWORKS	6	9	977861	Mismatch
53	07QCSB3052	SB4402	SYSTEMS ANALYSIS & DESIGN	32	52	1633430	Mismatch
54	07QMSB3025	SB4401	UNIX OPERATING SYSTEM	8	10	698135	Mismatch
55	07BMSB3076	SB4402	SYSTEMS ANALYSIS & DESIGN	40	38	362974	Mismatch
56	07RNSB3031	SB4402	SYSTEMS ANALYSIS & DESIGN	23	22	1479451	Mismatch
57	07YPSB3018	SB4402	SYSTEMS ANALYSIS & DESIGN	48	14	1194978	Mismatch
37	07JMSB3050	SB4403	SYSTEM PROGRAMMING	0	13	958512	Mismatch
58	07RSSB3175	SB4402	SYSTEMS ANALYSIS & DESIGN	7	6	1313807	Mismatch
59	07RSSB3076	SB4403	SYSTEM PROGRAMMING	32	24	1367927	Mismatch
60	07RSSB3017	SB4403	SYSTEM PROGRAMMING	32	28	1367939	Mismatch
61	07SBSB3071	SB4403	SYSTEM PROGRAMMING	8	6	903220	Mismatch
62	07SBSB3083	SB4403	SYSTEM PROGRAMMING	32	26	903223	Mismatch
63	07SBSB3097	SB4403	SYSTEM PROGRAMMING	32	26	903225	Mismatch
64	06SBSB3051	SB3401	SYSTEM SOFTWARE	37	39	943893	Mismatch
65	07SKSB3078	SB4403	SYSTEM PROGRAMMING	32	24	1566890	Mismatch
66	07UDSB3008	SB4403	SYSTEM PROGRAMMING	32	30	433144	Mismatch
67	06UHSB3086	SB3402	COMPUTER GRAPHICS	36	2	568342	Mismatch
68	07VASB3003	SB4403	SYSTEM PROGRAMMING	32	33	116474	Mismatch
69	07VSSB3025	SB4402	SYSTEMS ANALYSIS & DESIGN	6	7	99192	Mismatch
70	07CQSB3124	SB4401	UNIX OPERATING SYSTEM	32	31	853345	Mismatch
71	07VESB3001	SB4402	SYSTEMS ANALYSIS & DESIGN	0	32	1812273	Mismatch
72	07VESB3003	SB4402	SYSTEMS ANALYSIS & DESIGN	0	42	1812274	Mismatch
73	07YASB3061	SB4403	SYSTEM PROGRAMMING	11	10	850379	Mismatch
74	07P8SB3002	SB4403	SYSTEM PROGRAMMING	11	7	197348	Mismatch
75	07YFSB3078	SB4402	SYSTEMS ANALYSIS & DESIGN	5	7	1194225	Mismatch
76	07YFSB3038	SB4403	SYSTEM PROGRAMMING	32	25	1922095	Mismatch
77	07YFSB3030	SB4403	SYSTEM PROGRAMMING	32	24	1911528	Mismatch
78	07YYSB3020	SB4403	SYSTEM PROGRAMMING	33	35	1291767	Mismatch
79	07YYSB3041	SB4403	SYSTEM PROGRAMMING	15	19	1291774	Mismatch
80	07ZGSB3018	SB4401	UNIX OPERATING SYSTEM	35	55	550141	Mismatch
81	07VESB3029	SB4404	DATA COMMUNICATIONS AND NETWORKS	0	12	530417	Mismatch
82	07W6SB3014	SB4404	DATA COMMUNICATIONS AND NETWORKS	35	32	1673396	Mismatch
83	07YASB3010	SB4404	DATA COMMUNICATIONS AND NETWORKS	0	15	786684	Mismatch
84	07ZZSB3019	SB4404	DATA COMMUNICATIONS AND NETWORKS	43	20	1957360	Mismatch
85	07ARSB3043	SB4401	UNIX OPERATING SYSTEM	32	31	1664343	Mismatch
86	07JMSB3050	SB4404	DATA COMMUNICATIONS AND NETWORKS	0	19	883236	Mismatch
87	07JMSB3036	SB4404	DATA COMMUNICATIONS AND NETWORKS	42	44	880401	Mismatch

88	06JPSB3040	SB3401	SYSTEM SOFTWARE	36	16	219546	Mismatch
89	06JPSB3040	SB3402	COMPUTER GRAPHICS	35	1	189190	Mismatch
90	06JPSB3040	SB3403	SOFTWARE ENGINEERING	33	23	224366	Mismatch
91	07NVSB3005	SB4404	DATA COMMUNICATIONS AND NETWORKS	33	34	223305	Mismatch
92	07JLSB3030	SB4404	DATA COMMUNICATIONS AND NETWORKS	34	33	1565523	Mismatch
93	07SKSB3044	SB4404	DATA COMMUNICATIONS AND NETWORKS	48	50	1565524	Mismatch

BCA Sixth Semester Mismatch Data

Sl No	Reg No	Subject Code	Subject	OMR Marks	Face Sheet Marks	Answer Script No	Remarks
1	06AFSB3019	SB3603	INTERNET & INFORMATION TECHNOLOGY	32	22	519159	Mismatch
2	06BHSB3024	SB3602	ARTIFICIAL INTELLIGENCE	19	9	1835795	Mismatch
3	06RNSB3067	SB3603	INTERNET & INFORMATION TECHNOLOGY	33	32	1273242	Mismatch
4	06RSSB3028	SB3602	ARTIFICIAL INTELLIGENCE	9	32	1193335	Mismatch
5	06RSSB3089	SB3601	COMPUTER NETWORKS - II	18	15	1193334	Mismatch
6	06UDSB3047	SB3601	COMPUTER NETWORKS - II	32	31	410671	Mismatch
7	06UDSB3047	SB3602	ARTIFICIAL INTELLIGENCE	15	16	430990	Mismatch
8	06UDSB3085	SB3601	COMPUTER NETWORKS - II	32	31	410679	Mismatch
9	06XESB3048	SB3603	INTERNET & INFORMATION TECHNOLOGY	6	37	981986	Mismatch
10	06YASB3028	SB3602	ARTIFICIAL INTELLIGENCE	25	21	191924	Mismatch
11	06YLSB3026	SB3601	COMPUTER NETWORKS - II	0	18	603276	Mismatch
12	07A4SB3005	SB4602	E - COMMERCE & WEB DESIGNING	7	6	1718613	Mismatch
13	07A4SB3006	SB4602	E - COMMERCE & WEB DESIGNING	34	33	1718614	Mismatch
14	07AFSB3036	SB4601	COMPUTER GRAPHICS	73	74	997910	Mismatch
15	07AFSB3050	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	0	35	993739	Mismatch
16	07AFSB3055	SB4601	COMPUTER GRAPHICS	15	19	963302	Mismatch
17	07AGSB3008	SB4601	COMPUTER GRAPHICS	70	45	1855720	Mismatch
18	07AGSB3014	SB4601	COMPUTER GRAPHICS	52	63	1898090	Mismatch
19	07AGSB3048	SB4602	E - COMMERCE & WEB DESIGNING	36	34	1481642	Mismatch
20	07AHSB3001	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	32	47	1794213	Mismatch
21	07AHSB3020	SB4602	E - COMMERCE & WEB DESIGNING	35	32	1644424	Mismatch
22	07AMSB3026	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	35	17	787493	Mismatch
23	07ARSB3037	SB4602	E - COMMERCE & WEB DESIGNING	13	16	1614451	Mismatch
24	07ARSB3037	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	0	2	1822766	Mismatch
25	07ARSB3050	SB4601	COMPUTER GRAPHICS	16	18	1718818	Mismatch
26	07AZSB3012	SB4601	COMPUTER GRAPHICS	21	22	904886	Mismatch
27	07AZSB3049	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	58	61	953899	Mismatch
28	07B7SB3017	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	21	23	1614248	Mismatch
29	07B7SB3021	SB4601	COMPUTER GRAPHICS	42	43	544881	Mismatch
30	07B7SB3035	SB4602	E - COMMERCE & WEB DESIGNING	57	59	1730960	Mismatch
31	07B7SB3039	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	40	39	170400	Mismatch
32	07B7SB3039	SB4602	E - COMMERCE & WEB DESIGNING	20	21	164825	Mismatch
33	07B9SB3003	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	20	21	712645	Mismatch
34	07B9SB3031	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	59	60	1712631	Mismatch
35	07BHSB3026	SB4601	COMPUTER GRAPHICS	18	19	1919043	Mismatch

36	07BHSB3027	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	47	45	1835549	Mismatch
37	07BHSB3031	SB4601	COMPUTER GRAPHICS	40	39	1919056	Mismatch
38	07BHSB3038	SB4601	COMPUTER GRAPHICS	50	58	1919076	Mismatch
39	07BMSB3015	SB4602	E - COMMERCE & WEB DESIGNING	36	34	362909	Mismatch
40	07BMSB3021	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	34	32	334349	Mismatch
41	07BMSB3029	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	34	32	334333	Mismatch
42	07BMSB3029	SB4602	E - COMMERCE & WEB DESIGNING	17	19	362919	Mismatch
43	07BMSB3060	SB4602	E - COMMERCE & WEB DESIGNING	34	32	362884	Mismatch
44	07BMSB3061	SB4601	COMPUTER GRAPHICS	35	34	381911	Mismatch
45	07BMSB3061	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	35	32	334300	Mismatch
46	07BMSB3061	SB4602	E - COMMERCE & WEB DESIGNING	6	10	362885	Mismatch
47	07BMSB3067	SB4602	E - COMMERCE & WEB DESIGNING	34	32	362891	Mismatch
48	07BMSB3068	SB4602	E - COMMERCE & WEB DESIGNING	32	39	362892	Mismatch
49	07BMSB3070	SB4602	E - COMMERCE & WEB DESIGNING	41	40	362894	Mismatch
50	07BMSB3102	SB4602	E - COMMERCE & WEB DESIGNING	36	35	324529	Mismatch
51	07BMSB3111	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	14	16	338658	Mismatch
52	07BMSB3111	SB4602	E - COMMERCE & WEB DESIGNING	40	38	324559	Mismatch
53	07BMSB3112	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	16	19	338657	Mismatch
54	07BMSB3112	SB4602	E - COMMERCE & WEB DESIGNING	35	32	324560	Mismatch
55	07BNSB3006	SB4602	E - COMMERCE & WEB DESIGNING	17	18	886865	Mismatch
56	07BNSB3010	SB4602	E - COMMERCE & WEB DESIGNING	44	41	886869	Mismatch
57	07BNSB3012	SB4602	E - COMMERCE & WEB DESIGNING	34	33	886870	Mismatch
58	07BNSB3039	SB4601	COMPUTER GRAPHICS	37	35	1184202	Mismatch
59	07BNSB3054	SB4601	COMPUTER GRAPHICS	57	44	1184214	Mismatch
60	07BNSB3057	SB4602	E - COMMERCE & WEB DESIGNING	32	25	444997	Mismatch
61	07BNSB3058	SB4601	COMPUTER GRAPHICS	57	56	1184218	Mismatch
62	07BRSB3008	SB4601	COMPUTER GRAPHICS	35	54	543424	Mismatch
63	07BRSB3009	SB4601	COMPUTER GRAPHICS	54	35	543425	Mismatch
64	07BRSB3033	SB4601	COMPUTER GRAPHICS	57	0	523721	Mismatch
65	07BRSB3067	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	20	21	1384660	Mismatch
66	07BRSB3068	SB4602	E - COMMERCE & WEB DESIGNING	61	59	523161	Mismatch
67	07BUSB3028	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	49	50	854539	Mismatch
68	07BVS3007	SB4602	E - COMMERCE & WEB DESIGNING	57	52	696083	Mismatch
69	07BVS3026	SB4601	COMPUTER GRAPHICS	38	35	655989	Mismatch
70	07BVS3029	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	68	67	696030	Mismatch
71	07BVS3037	SB4602	E - COMMERCE & WEB DESIGNING	32	22	696113	Mismatch
72	07BVS3040	SB4601	COMPUTER GRAPHICS	33	32	655981	Mismatch
73	07BWSB3012	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	39	59	179118	Mismatch
74	07CKSB3019	SB4602	E - COMMERCE & WEB DESIGNING	49	51	401754	Mismatch
75	07CKSB3021	SB4602	E - COMMERCE & WEB DESIGNING	34	35	401755	Mismatch
76	07CKSB3030	SB4602	E - COMMERCE & WEB DESIGNING	43	44	401764	Mismatch
77	07CKSB3045	SB4602	E - COMMERCE & WEB DESIGNING	48	45	441479	Mismatch
78	07CNSB3010	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	37	87	329614	Mismatch
79	07CNSB3015	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	3	2	329618	Mismatch
80	07CQSB3001	SB4601	COMPUTER GRAPHICS	42	44	1998330	Mismatch
81	07CQSB3025	SB4602	E - COMMERCE & WEB DESIGNING	51	41	843306	Mismatch

82	07CQSB3045	SB4601	COMPUTER GRAPHICS	18	19	1998218	Mismatch
83	07CQSB3140	SB4602	E - COMMERCE & WEB DESIGNING	33	32	843423	Mismatch
84	07CQSB3151	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	4	9	996637	Mismatch
85	07CQSB3159	SB4602	E - COMMERCE & WEB DESIGNING	35	36	843446	Mismatch
86	07CQSB3162	SB4601	COMPUTER GRAPHICS	15	17	1998356	Mismatch
87	07CQSB3164	SB4601	COMPUTER GRAPHICS	16	17	1998322	Mismatch
88	07CUSB3041	SB4602	E - COMMERCE & WEB DESIGNING	70	73	1350835	Mismatch
89	07DKSB3003	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	21	23	1897945	Mismatch
90	07DKSB3077	SB4601	COMPUTER GRAPHICS	21	22	1993275	Mismatch
91	07DKSB3094	SB4602	E - COMMERCE & WEB DESIGNING	57	51	1897451	Mismatch
92	07DKSB3136	SB4601	COMPUTER GRAPHICS	32	38	1993332	Mismatch
93	07DKSB3137	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	0	32	1397293	Mismatch
94	07DKSB3138	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	0	32	1397294	Mismatch
95	07DVSB3043	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	21	23	338310	Mismatch
96	07DVSB3050	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	20	22	338321	Mismatch
97	07DVSB3061	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	17	35	338325	Mismatch
98	07DVSB3082	SB4601	COMPUTER GRAPHICS	39	36	318380	Mismatch
99	07FJSB3004	SB4601	COMPUTER GRAPHICS	62	60	286060	Mismatch
100	07G6SB3008	SB4602	E - COMMERCE & WEB DESIGNING	32	36	899107	Mismatch
101	07G6SB3023	SB4602	E - COMMERCE & WEB DESIGNING	55	60	899122	Mismatch
102	07JESB3026	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	55	56	898889	Mismatch
103	07JFSB3026	SB4601	COMPUTER GRAPHICS	46	40	834812	Mismatch
104	07JHSB3017	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	21	22	1430959	Mismatch
105	07JJSB3003	SB4601	COMPUTER GRAPHICS	18	32	802483	Mismatch
106	07JJSB3004	SB4601	COMPUTER GRAPHICS	59	40	802484	Mismatch
107	07JJSB3040	SB4601	COMPUTER GRAPHICS	62	61	901204	Mismatch
108	07JJSB3042	SB4601	COMPUTER GRAPHICS	60	58	901206	Mismatch
109	07JJSB3071	SB4601	COMPUTER GRAPHICS	53	57	1924393	Mismatch
110	07JJSB3082	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	65	85	962208	Mismatch
111	07JJSB3110	SB4601	COMPUTER GRAPHICS	34	33	802451	Mismatch
112	07JKSB3004	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	16	19	626808	Mismatch
113	07JKSB3004	SB4602	E - COMMERCE & WEB DESIGNING	35	32	620554	Mismatch
114	07JKSB3005	SB4602	E - COMMERCE & WEB DESIGNING	34	32	620555	Mismatch
115	07JKSB3022	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	33	32	626822	Mismatch
116	07JKSB3025	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	34	32	626825	Mismatch
117	07JKSB3025	SB4602	E - COMMERCE & WEB DESIGNING	17	19	620570	Mismatch
118	07JKSB3029	SB4602	E - COMMERCE & WEB DESIGNING	33	32	620573	Mismatch
119	07JKSB3030	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	34	32	626829	Mismatch
120	07JKSB3030	SB4602	E - COMMERCE & WEB DESIGNING	17	19	620574	Mismatch
121	07JKSB3036	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	35	33	626959	Mismatch
122	07JKSB3036	SB4602	E - COMMERCE & WEB DESIGNING	35	32	620579	Mismatch
123	07JKSB3039	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	35	32	626836	Mismatch
124	07JKSB3039	SB4602	E - COMMERCE & WEB DESIGNING	35	32	620581	Mismatch
125	07JLSB3006	SB4601	COMPUTER GRAPHICS	24	47	1000466	Mismatch
126	07JLSB3007	SB4601	COMPUTER GRAPHICS	47	24	1000467	Mismatch
127	07JLSB3022	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	46	53	1398758	Mismatch

128	07JMSB3008	SB4602	E - COMMERCE & WEB DESIGNING	16	17	849751	Mismatch
129	07JMSB3048	SB4601	COMPUTER GRAPHICS	32	39	503998	Mismatch
130	07JPSB3004	SB4602	E - COMMERCE & WEB DESIGNING	47	34	290760	Mismatch
131	07JPSB3009	SB4602	E - COMMERCE & WEB DESIGNING	52	32	290765	Mismatch
132	07JQSB3080	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	20	23	872494	Mismatch
133	07KSSB3003	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	46	11	1903308	Mismatch
134	07KSSB3004	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	35	39	1903309	Mismatch
135	07KSSB3005	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	16	22	1903310	Mismatch
136	07KSSB3007	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	40	13	1903312	Mismatch
137	07KSSB3076	SB4601	COMPUTER GRAPHICS	67	62	1939522	Mismatch
138	07KUSB3035	SB4602	E - COMMERCE & WEB DESIGNING	59	49	948159	Mismatch
139	07KUSB3059	SB4601	COMPUTER GRAPHICS	32	23	909244	Mismatch
140	07M5SB3012	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	36	22	61034	Mismatch
141	07M5SB3014	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	17	35	61035	Mismatch
142	07M9SB3010	SB4601	COMPUTER GRAPHICS	40	38	802489	Mismatch
143	07MDSB3035	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	20	21	810790	Mismatch
144	07N2SB3008	SB4601	COMPUTER GRAPHICS	40	51	515379	Mismatch
145	07N9SB3001	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	0	40	977866	Mismatch
146	07NASB3002	SB4602	E - COMMERCE & WEB DESIGNING	64	66	105009	Mismatch
147	07NASB3028	SB4602	E - COMMERCE & WEB DESIGNING	49	50	105033	Mismatch
148	07NCSB3006	SB4602	E - COMMERCE & WEB DESIGNING	0	32	556182	Mismatch
149	07NCSB3018	SB4602	E - COMMERCE & WEB DESIGNING	56	67	556198	Mismatch
150	07NDSB3026	SB4601	COMPUTER GRAPHICS	41	42	834064	Mismatch
151	07NDSB3026	SB4602	E - COMMERCE & WEB DESIGNING	42	41	1862080	Mismatch
152	07NSSB3008	SB4601	COMPUTER GRAPHICS	34	44	471110	Mismatch
153	07NVSB3036	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	7	1	189044	Mismatch
154	07NVSB3044	SB4601	COMPUTER GRAPHICS	70	69	290453	Mismatch
155	07NVSB3053	SB4601	COMPUTER GRAPHICS	46	45	290462	Mismatch
156	07NVSB3066	SB4602	E - COMMERCE & WEB DESIGNING	40	42	290743	Mismatch
157	07P4SB3031	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	21	22	61015	Mismatch
158	07P4SB3044	SB4601	COMPUTER GRAPHICS	71	72	32800	Mismatch
159	07P4SB3057	SB4602	E - COMMERCE & WEB DESIGNING	15	17	91591	Mismatch
160	07P9SB3014	SB4601	COMPUTER GRAPHICS	17	19	1736409	Mismatch
162	07P9SB3021	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	39	38	1642456	Mismatch
163	07P9SB3028	SB4602	E - COMMERCE & WEB DESIGNING	59	23	1674081	Mismatch
164	07PESB3004	SB4602	E - COMMERCE & WEB DESIGNING	47	42	1158549	Mismatch
165	07PUSB3002	SB4601	COMPUTER GRAPHICS	17	19	1965589	Mismatch
166	07PUSB3055	SB4601	COMPUTER GRAPHICS	35	37	1996826	Mismatch
167	07PUSB3065	SB4602	E - COMMERCE & WEB DESIGNING	11	12	917116	Mismatch
168	07PWSB3001	SB4602	E - COMMERCE & WEB DESIGNING	20	22	907270	Mismatch
169	07PWSB3009	SB4602	E - COMMERCE & WEB DESIGNING	32	14	907321	Mismatch
170	07QCSB3001	SB4601	COMPUTER GRAPHICS	33	34	1665126	Mismatch
171	07QCSB3016	SB4601	COMPUTER GRAPHICS	62	6	1665137	Mismatch
172	07QCSB3022	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	34	33	1657717	Mismatch
173	07QCSB3036	SB4602	E - COMMERCE & WEB DESIGNING	56	53	699687	Mismatch
174	07QCSB3047	SB4601	COMPUTER GRAPHICS	16	18	1665158	Mismatch

175	07QMSB3003	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	1	2	644476	Mismatch
176	07QMSB3028	SB4601	COMPUTER GRAPHICS	12	10	606188	Mismatch
177	07QRSB3013	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	0	50	1397299	Mismatch
178	07QTSB3010	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	22	25	334261	Mismatch
179	07QTSB3015	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	21	23	334266	Mismatch
180	07QTSB3024	SB4602	E - COMMERCE & WEB DESIGNING	37	34	324561	Mismatch
181	07QTSB3025	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	34	32	338730	Mismatch
182	07QUSB3005	SB4602	E - COMMERCE & WEB DESIGNING	20	23	1593284	Mismatch
183	07QXSB3005	SB4601	COMPUTER GRAPHICS	21	36	1929853	Mismatch
184	07QXSB3011	SB4602	E - COMMERCE & WEB DESIGNING	24	26	1935517	Mismatch
185	07QYSB3003	SB4602	E - COMMERCE & WEB DESIGNING	42	36	1928662	Mismatch
186	07QYSB3019	SB4602	E - COMMERCE & WEB DESIGNING	10	34	1928663	Mismatch
187	07QYSB3024	SB4601	COMPUTER GRAPHICS	76	73	1928583	Mismatch
188	07RCSB3022	SB4602	E - COMMERCE & WEB DESIGNING	37	39	164845	Mismatch
189	07RCSB3054	SB4602	E - COMMERCE & WEB DESIGNING	37	36	164820	Mismatch
190	07RNSB3001	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	16	49	1394515	Mismatch
191	07RNSB3015	SB4601	COMPUTER GRAPHICS	45	44	1458979	Mismatch
192	07RNSB3046	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	63	60	1394501	Mismatch
193	07RNSB3079	SB4601	COMPUTER GRAPHICS	43	48	1458962	Mismatch
194	07RNSB3083	SB4601	COMPUTER GRAPHICS	43	41	1458901	Mismatch
195	07RWSB3062	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	43	45	624090	Mismatch
196	07SBSB3021	SB4602	E - COMMERCE & WEB DESIGNING	9	11	908035	Mismatch
197	07SBSB3029	SB4601	COMPUTER GRAPHICS	13	17	995276	Mismatch
198	07SBSB3088	SB4601	COMPUTER GRAPHICS	65	63	995356	Mismatch
199	07SKSB3046	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	20	22	1567147	Mismatch
200	07TTSB3013	SB4601	COMPUTER GRAPHICS	49	50	653191	Mismatch
201	07UDSB3055	SB4601	COMPUTER GRAPHICS	21	44	478851	Mismatch
202	07UDSB3076	SB4601	COMPUTER GRAPHICS	32	37	401301	Mismatch
203	07UDSB3085	SB4601	COMPUTER GRAPHICS	39	37	401303	Mismatch
204	07UDSB3117	SB4601	COMPUTER GRAPHICS	35	25	401295	Mismatch
205	07UHSB3051	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	20	21	633236	Mismatch
206	07UPSB3014	SB4601	COMPUTER GRAPHICS	35	32	1664820	Mismatch
207	07UQSB3025	SB4601	COMPUTER GRAPHICS	69	59	296105	Mismatch
208	07UQSB3028	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	4	38	120601	Mismatch
209	07UQSB3054	SB4602	E - COMMERCE & WEB DESIGNING	49	50	304560	Mismatch
210	07UXSB3029	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	44	45	217868	Mismatch
211	07VASB3027	SB4602	E - COMMERCE & WEB DESIGNING	42	44	118403	Mismatch
212	07VASB3039	SB4602	E - COMMERCE & WEB DESIGNING	14	26	118400	Mismatch
213	07VGSB3006	SB4601	COMPUTER GRAPHICS	39	38	239421	Mismatch
214	07VGSB3062	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	20	18	991682	Mismatch
215	07VQSB3024	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	59	43	253363	Mismatch
216	07VQSB3028	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	38	4	253368	Mismatch
217	07VQSB3041	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	51	57	114764	Mismatch
218	07VUSB3006	SB4601	COMPUTER GRAPHICS	37	38	1996851	Mismatch
219	07WNSB3007	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	20	22	1567101	Mismatch
220	07WNSB3016	SB4601	COMPUTER GRAPHICS	21	24	1568010	Mismatch

221	07WNSB3027	SB4601	COMPUTER GRAPHICS	45	43	1568019	Mismatch
222	07XBSB3018	SB4601	COMPUTER GRAPHICS	57	59	1661955	Mismatch
223	07XBSB3024	SB4602	E - COMMERCE & WEB DESIGNING	39	38	1812067	Mismatch
224	07XWSB3009	SB4602	E - COMMERCE & WEB DESIGNING	14	32	907291	Mismatch
225	07XWSB3010	SB4602	E - COMMERCE & WEB DESIGNING	36	7	907319	Mismatch
226	07YASB3018	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	3	5	765880	Mismatch
227	07YASB3051	SB4601	COMPUTER GRAPHICS	46	48	198525	Mismatch
228	07YASB3051	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	34	32	765909	Mismatch
229	07YASB3057	SB4602	E - COMMERCE & WEB DESIGNING	33	32	238538	Mismatch
230	07YASB3057	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	33	32	765915	Mismatch
231	07YASB3090	SB4601	COMPUTER GRAPHICS	34	32	198537	Mismatch
232	07YASB3090	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	3	5	765955	Mismatch
233	07YASB3095	SB4602	E - COMMERCE & WEB DESIGNING	50	51	238584	Mismatch
234	07YASB3095	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	33	32	765959	Mismatch
235	07YASB3098	SB4601	COMPUTER GRAPHICS	34	32	198555	Mismatch
236	07YASB3098	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	0	2	765962	Mismatch
237	07YCSB3010	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	46	16	1916846	Mismatch
238	07YLSB3001	SB4602	E - COMMERCE & WEB DESIGNING	11	42	699693	Mismatch
239	07YLSB3002	SB4602	E - COMMERCE & WEB DESIGNING	35	37	699707	Mismatch
240	07YLSB3003	SB4602	E - COMMERCE & WEB DESIGNING	37	20	699694	Mismatch
241	07YPSB3015	SB4602	E - COMMERCE & WEB DESIGNING	17	19	699700	Mismatch
242	07YPSB3016	SB4602	E - COMMERCE & WEB DESIGNING	37	36	699701	Mismatch
243	07YPSB3016	SB4601	COMPUTER GRAPHICS	38	63	1998354	Mismatch
244	07YPSB3019	SB4602	E - COMMERCE & WEB DESIGNING	33	32	699706	Mismatch
245	07YPSB3039	SB4602	E - COMMERCE & WEB DESIGNING	35	37	699682	Mismatch
246	07YYSB3006	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	23	25	509776	Mismatch
247	07YYSB3015	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	37	39	509785	Mismatch
248	07YYSB3038	SB4603	DESIGN & ANALYSIS OF ALGORITHMS	21	23	1291612	Mismatch
249	07ZZSB3030	SB4601	COMPUTER GRAPHICS	8	5	1997709	Mismatch

BHM Eighth Semester Mismatch Data

Sl No	Reg No	Subject Code	Subject	OMR Marks	Face Sheet Marks	Answer Script No	Remarks
1	06AZC07025	CC18H2	ENTREPRENEURSHIP DEVELOPMENT	51	50	942188	Mismatch
2	06BMC07006	CC18H1	F & B MANAGEMENT	38	37	381829	Mismatch
3	06BMC07020	CC18H1	F & B MANAGEMENT	53	57	381838	Mismatch
4	06BMC07036	CC18H5	BUSINESS LAW	54	61	663562	Mismatch
5	06BMC07037	CC18H1	F & B MANAGEMENT	35	32	381871	Mismatch
6	06BMC07037	CC18H3	HOSPITALITY MANAGEMENT	36	33	334377	Mismatch
7	06BMC07043	CC18H1	F & B MANAGEMENT	37	36	381983	Mismatch
8	06RRC07031	CC18H5	BUSINESS LAW	60	61	986761	Mismatch
9	06RRC07036	CC18H1	F & B MANAGEMENT	62	63	909045	Mismatch
10	06RSC07005	CC18H1	F & B MANAGEMENT	43	42	1938159	Mismatch
11	06RSC07026	CC18H5	BUSINESS LAW	34	32	1274827	Mismatch
12	06RSC07042	CC18H3	HOSPITALITY MANAGEMENT	34	32	1331934	Mismatch
13	06RSC07042	CC18H5	BUSINESS LAW	14	16	1275076	Mismatch
14	06RSC07052	CC18H2	ENTREPRENEURSHIP DEVELOPMENT	34	32	1557925	Mismatch
15	06RSC07052	CC18H3	HOSPITALITY MANAGEMENT	34	32	1331906	Mismatch
16	06RSC07052	CC18H5	BUSINESS LAW	34	33	1275095	Mismatch
17	06RWC07069	CC18H5	BUSINESS LAW	34	40	957796	Mismatch
18	06SBC07012	CC18H1	F & B MANAGEMENT	65	69	995443	Mismatch
19	06SBC07041	CC18H5	BUSINESS LAW	39	38	954868	Mismatch
20	05SKC05047	CC18H1	F & B MANAGEMENT	47	40	1773741	Mismatch
21	06SKC07066	CC18H2	ENTREPRENEURSHIP DEVELOPMENT	44	43	1573129	Mismatch
22	06SKC07096	CC18H1	F & B MANAGEMENT	37	32	1568207	Mismatch
23	06SLC07066	CC18H2	ENTREPRENEURSHIP DEVELOPMENT	51	57	1474587	Mismatch
24	06SLC07067	CC18H3	HOSPITALITY MANAGEMENT	58	55	1462654	Mismatch
25	05UMC05014	CC18H2	ENTREPRENEURSHIP DEVELOPMENT	37	35	915581	Mismatch
26	05UMC05014	CC18H5	BUSINESS LAW	52	54	976896	Mismatch
27	06UMC07046	CC18H2	ENTREPRENEURSHIP DEVELOPMENT	73	72	932154	Mismatch
28	05RRC05003	CC18H3	HOSPITALITY MANAGEMENT	0	43	958500	Mismatch
29	06RSC07007	CC18H5	BUSINESS LAW	0	65	1274842	Mismatch
30	06RWC07022	CC18H2	ENTREPRENEURSHIP DEVELOPMENT	0	51	548429	Mismatch
31	06SKC07009	CC18H3	HOSPITALITY MANAGEMENT	0	70	1670381	Mismatch
32	06SKC07080	CC18H1	F & B MANAGEMENT	0	55	1568395	Mismatch
33	06SKC07081	CC18H1	F & B MANAGEMENT	0	36	1568396	Mismatch
34	06SKC07082	CC18H1	F & B MANAGEMENT	0	48	1568397	Mismatch
35	06SKC07085	CC18H1	F & B MANAGEMENT	0	44	1568398	Mismatch
36	06SKC07086	CC18H1	F & B MANAGEMENT	0	44	1568399	Mismatch
37	06SKC07087	CC18H1	F & B MANAGEMENT	0	43	1568400	Mismatch
38	06SKC07088	CC18H1	F & B MANAGEMENT	0	47	1568201	Mismatch
39	06SKC07089	CC18H1	F & B MANAGEMENT	0	50	1568202	Mismatch
40	06SKC07090	CC18H1	F & B MANAGEMENT	0	54	1770746	Mismatch
41	06SKC07091	CC18H1	F & B MANAGEMENT	0	47	1568203	Mismatch

42	06SKC07092	CC18H1	F & B MANAGEMENT	0	50	1568204	Mismatch
43	06SKC07093	CC18H1	F & B MANAGEMENT	0	38	1568205	Mismatch
44	06UMC07029	CC18H1	F & B MANAGEMENT	0	51	802397	Mismatch
45	06UMC07037	CC18H2	ENTREPRENEURSHIP DEVELOPMENT	0	51	932237	Mismatch

Fourth semester Anomalous Data

Sl No	Reg No	Subject	Answer Script No	OMR Marks	Face Sheet Marks
1	07AHSB3023	SB4402	1669823	32	32
1	07AHSB3023	SB4402	1669826	32	25
2	07B7SB3024	SB4402	1796147	53	53
2	07B7SB3024	SB4402	1794341	53	35
3	07CQSB3005	SB4403	1994974	4	2
3	07CQSB3005	SB4403	994942	4	19
4	07CQSB3007	SB4403	994964	32	28
4	07CQSB3007	SB4403	994943	32	38
5	07CUSB3056	SB5405	1267139		40
5	07CUSB3056	SB5405	1218661		24
6	07KDSB3004	SB4403	1651976	32	32
6	07KDSB3004	SB4403	1651991	32	13
18	07YPSB3018	SB4402	1194978	48	14
18	07YPSB3018	SB4402	620651	48	48
19	07ZZSB3019	SB4404	1957360	43	20
19	07ZZSB3019	SB4404	1957363	43	43
20	08A2SB3003	SB4404	942128		41
20	08A2SB3003	SB4404	942146		36
21	08AMSB3027	SB5405	773565	6	39
21	08AMSB3027	SB5405	722213	6	62
22	08AMSB3030	SB5405	773568	10	52
22	08AMSB3030	SB5405	780720	10	54
23	08ARSB3031	SB4503	534935		11
23	08ARSB3031	SB4503	1710182		38
24	08ARSB3035	SB4503	1286376		28
24	08ARSB3035	SB4503	1687594		59
25	08ARSB3036	SB5406	1792553	0	50
25	08ARSB3036	SB5406	1695800	0	39
26	08ARSB3037	SB4503	1286382		5
26	08ARSB3037	SB4503	1687596		23
27	08ARSB3039	SB4503	1687598		32
27	08ARSB3039	SB4503	1286375		13
28	08ARSB3041	SB4503	1710389		6
28	08ARSB3041	SB4503	1286391		15
29	08ARSB3047	SB4503	1738952		21
29	08ARSB3047	SB4503	534821		23
30	08AZSB3001	SB5404	960191	6	33
30	08AZSB3001	SB5404	989332	6	25
31	08AZSB3023	SB5404	960210	9	40
31	08AZSB3023	SB5404	1193132	9	28
32	08AZSB3041	SB5405	960226	4	41
32	08AZSB3041	SB5405	1193149	4	21
33	08AZSB3043	SB5405	960228	4	32

33	08AZSB3043	SB5405	1193151	4	21
34	08AZSB3052	SB5404	960237	7	40
34	08AZSB3052	SB5404	1193160	7	35
35	08AZSB3058	SB5404	960238	5	52
35	08AZSB3058	SB5404	960243	5	45
36	08B7SB3002	SB5406	1779722	10	45
36	08B7SB3002	SB5406	1779669	10	40
37	08BHSB3027	SB5405	1894552	10	47
37	08BHSB3027	SB5405	796075	10	9
38	08BMSB3116	SB5406	663321	5	31
38	08BMSB3116	SB5406	663301	5	31
39	08BNSB3001	SB5405	883987	7	42
39	08BNSB3001	SB5405	883933	7	44
40	08BNSB3003	SB5406	964529	7	22
40	08BNSB3003	SB5406	757562	7	14
41	08BNSB3006	SB5406	757592	7	38
41	08BNSB3006	SB5406	757550	7	16
42	08BRSB3004	SB5405	1380416	9	45
42	08BRSB3004	SB5405	1161660	9	42
43	08BRSB3022	SB4404	1380432		46
43	08BRSB3022	SB4404	1161676		38
44	08BRSB3027	SB5405	1202362	8	21
44	08BRSB3027	SB5405	1202361	8	22
45	08BRSB3035	SB4404	1161688		32
45	08BRSB3035	SB4404	1202368		21
46	08BRSB3067	SB5405	1202393	8	28
46	08BRSB3067	SB5405	1161642	8	55
47	08BUSB3009	SB5406	999009	8	1
47	08BUSB3009	SB5406	844118	8	27
48	08BUSB3010	SB5406	999010	8	24
48	08BUSB3010	SB5406	844116	8	31
49	08CNSB3033	SB5406	860618	8	44
49	08CNSB3033	SB5406	860675	8	36
50	08CUSB3001	SB5405	1267050	9	35
50	08CUSB3001	SB5405	1218530	9	24
51	08CUSB3002	SB5405	1218531	9	15
51	08CUSB3002	SB5405	1267051	9	28
52	08CUSB3003	SB5405	1218532	10	26
52	08CUSB3003	SB5405	1267052	10	36
53	08CUSB3004	SB5405	1267053	10	27
53	08CUSB3004	SB5405	1218533	10	14
54	08CUSB3006	SB5405	1218660	9	28
54	08CUSB3006	SB5405	1267055	9	25
55	08CUSB3007	SB5405	1267056	10	47
55	08CUSB3007	SB5405	1218535	10	24
56	08CUSB3008	SB5405	1267057	10	34

56	08CUSB3008	SB5405	1218536	10	21
57	08CUSB3009	SB5405	1267058	9	30
57	08CUSB3009	SB5405	1218537	9	11
58	08CUSB3010	SB5405	1267059	9	11
58	08CUSB3010	SB5405	1218538	9	10
59	08CUSB3012	SB5405	1267061	9	29
59	08CUSB3012	SB5405	1218540	9	23
60	08CUSB3013	SB5405	1267062	9	40
60	08CUSB3013	SB5405	1218541	9	15
61	08CUSB3015	SB5405	1267064	10	46
61	08CUSB3015	SB5405	1218543	10	49
62	08CUSB3016	SB5405	1267065	9	47
62	08CUSB3016	SB5405	1218544	9	46
63	08CUSB3017	SB5405	1267066	9	30
63	08CUSB3017	SB5405	1218545	9	42
64	08CUSB3018	SB5405	1267067	10	22
64	08CUSB3018	SB5405	1218546	10	38
65	08CUSB3019	SB5405	1267068	10	40
65	08CUSB3019	SB5405	1218547	10	34
66	08CUSB3020	SB5405	1267069	10	31
66	08CUSB3020	SB5405	1218548	10	43
67	08CUSB3021	SB5405	1267070	10	39
67	08CUSB3021	SB5405	1218549	10	44
68	08CUSB3023	SB5405	1267072	10	45
68	08CUSB3023	SB5405	1218551	10	38
69	08CUSB3026	SB5405	1267075	8	32
69	08CUSB3026	SB5405	1218554	8	12
70	08CUSB3028	SB5405	1267077	8	21
70	08CUSB3028	SB5405	1218557	8	13
71	08CUSB3029	SB5405	1267078	10	22
71	08CUSB3029	SB5405	1218556	10	27
72	08CUSB3030	SB5405	1267079	10	54
72	08CUSB3030	SB5405	1218559	10	35
73	08CUSB3031	SB5405	1267080	10	33
73	08CUSB3031	SB5405	1218558	10	36
74	08CUSB3032	SB5405	1267081	10	47
74	08CUSB3032	SB5405	1218560	10	33
75	08CUSB3034	SB5405	1267083	8	21
75	08CUSB3034	SB5405	1218562	8	22
76	08CUSB3035	SB5405	1267084	10	41
76	08CUSB3035	SB5405	1218563	10	39
77	08CUSB3036	SB5405	1267085	9	29
77	08CUSB3036	SB5405	1218564	9	21
78	08CUSB3037	SB5405	1267086	9	35
78	08CUSB3037	SB5405	1218565	9	21
79	08CUSB3039	SB5405	1267088	10	34

79	08CUSB3039	SB5405	1218567	10	25
80	08CUSB3041	SB5405	1267090	10	43
80	08CUSB3041	SB5405	1218569	10	31
81	08CUSB3042	SB5405	1267091	10	30
81	08CUSB3042	SB5405	1218570	10	26
82	08CUSB3043	SB5405	1218571	10	27
82	08CUSB3043	SB5405	1267092	10	26
83	08CUSB3044	SB5405	1267093	9	44
83	08CUSB3044	SB5405	1218572	9	40
84	08CUSB3045	SB5405	1267094	8	47
84	08CUSB3045	SB5405	1218573	8	37
85	08CUSB3049	SB5405	1218577	9	30
85	08CUSB3049	SB5405	1267098	9	40
86	08CUSB3051	SB5405	1218579	10	43
86	08CUSB3051	SB5405	1267100	10	50
87	08CUSB3052	SB5405	1267101	10	45
87	08CUSB3052	SB5405	1218580	10	41
88	08CUSB3054	SB5405	1267103	9	29
88	08CUSB3054	SB5405	1218582	9	14
89	08CUSB3055	SB5405	1267104	9	26
89	08CUSB3055	SB5405	1218583	9	23
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90	08CUSB3057	SB5405	1218584	10	38
91	08CUSB3059	SB5405	1267108	8	52
91	08CUSB3059	SB5405	1218586	8	26
92	08CUSB3060	SB5405	1267109	10	38
92	08CUSB3060	SB5405	1218587	10	22
93	08CUSB3061	SB5405	1267110	10	40
93	08CUSB3061	SB5405	1218588	10	35
94	08CUSB3062	SB5405	1267111	9	30
94	08CUSB3062	SB5405	1218539	9	21
95	08CUSB3063	SB5405	1267112	9	27
95	08CUSB3063	SB5405	1218590	9	7
96	08CUSB3064	SB5405	1267113	10	52
96	08CUSB3064	SB5405	1218591	10	31
97	08CUSB3069	SB5405	1267118	10	36
97	08CUSB3069	SB5405	1218596	10	21
98	08CUSB3070	SB5405	1267119	10	21
98	08CUSB3070	SB5405	1218597	10	21
99	08CUSB3073	SB5405	1267122	10	53
99	08CUSB3073	SB5405	1218600	10	26
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100	08CUSB3075	SB5405	1218603	10	23
101	08CUSB3076	SB5405	1267125	10	55
101	08CUSB3076	SB5405	1218604	10	32
102	08CUSB3078	SB5405	1267127	10	55

102	08CUSB3078	SB5405	1218606	10	30
103	08CUSB3079	SB5405	1267128	9	48
103	08CUSB3079	SB5405	1218607	9	22
104	08CUSB3081	SB5405	1267130	10	55
104	08CUSB3081	SB5405	1218609	10	29
105	08CUSB3083	SB5405	1267132	10	44
105	08CUSB3083	SB5405	1218611	10	21
106	08CUSB3084	SB5405	1267133	10	48
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107	08CUSB3085	SB5405	1267134	10	49
107	08CUSB3085	SB5405	1218613	10	30
108	08CUSB3087	SB5405	1267136	10	50
108	08CUSB3087	SB5405	1218615	10	44
109	08CUSB3088	SB5405	1267137	10	37
109	08CUSB3088	SB5405	1218616	10	26
110	08CUSB3089	SB5405	1267138	10	46
110	08CUSB3089	SB5405	1218617	10	37
111	08DASB3024	SB5405	872062	10	31
111	08DASB3024	SB5405	872052	10	21
112	08E5SB3003	SB5405	428726	10	21
112	08E5SB3003	SB5405	428731	10	29
113	08E5SB3004	SB5405	428727	9	21
113	08E5SB3004	SB5405	428732	9	21
114	08E5SB3008	SB5405	428735	10	27
114	08E5SB3008	SB5405	428729	10	12
115	08G6SB3036	SB4503	839350		30
115	08G6SB3036	SB4503	1045861		58
116	08G6SB3054	SB4503	839329		36
116	08G6SB3054	SB4503	1045985		59
117	08G6SB3055	SB4503	839330		25
117	08G6SB3055	SB4503	1045986		68
118	08G6SB3056	SB4503	839331		36
118	08G6SB3056	SB4503	1045987		35
119	08G6SB3057	SB4503	839332		21
119	08G6SB3057	SB4503	1045988		32
120	08G6SB3058	SB4503	839333		23
120	08G6SB3058	SB4503	1045989		32
121	08G6SB3059	SB4503	839334		22
121	08G6SB3059	SB4503	1045990		66
122	08G6SB3060	SB4503	839335		31
122	08G6SB3060	SB4503	1045991		44
123	08G9SB3007	SB4503	1393596		68
123	08G9SB3007	SB4503	1393590		36
124	08JFSB3005	SB5405	840356	9	29
124	08JFSB3005	SB5405	840376	9	15
125	08JFSB3017	SB5405	840368	10	35

125	08JFSB3017	SB5405	839366	10	50
126	08JFSB3032	SB4404	814317		55
126	08JFSB3032	SB4404	814318		69
128	08JJSB3104	SB5405	954653	7	27
128	08JJSB3104	SB5405	813026	7	37
129	08JJSB3106	SB5405	954655	6	26
129	08JJSB3106	SB5405	813028	6	33
130	08JJSB3113	SB4404	954662		36
130	08JJSB3113	SB4404	813035		53
131	08JKSB3020	SB4503	977994		21
131	08JKSB3020	SB4503	626965		19
132	08JLSB3003	SB5405	1267140	9	41
132	08JLSB3003	SB5405	1218619	9	23
133	08JLSB3004	SB5405	1267141	10	43
133	08JLSB3004	SB5405	1218620	10	21
134	08JLSB3005	SB5405	1267142	10	29
134	08JLSB3005	SB5405	1218621	10	21
135	08JLSB3007	SB5405	1267143	10	38
135	08JLSB3007	SB5405	1218622	10	21
136	08JLSB3009	SB5405	1267145	10	45
136	08JLSB3009	SB5405	1218624	10	24
137	08JMSB3002	SB4404	958636		32
137	08JMSB3002	SB4404	958496		37
138	08JMSB3003	SB4404	958637		32
138	08JMSB3003	SB4404	958497		16
139	08JMSB3004	SB4404	958638		32
139	08JMSB3004	SB4404	958493		1
140	08JMSB3005	SB4404	958630		43
140	08JMSB3005	SB4404	958499		37
141	08JMSB3006	SB4404	958640		51
141	08JMSB3006	SB4404	958500		11
142	08JMSB3007	SB4404	958641		32
142	08JMSB3007	SB4404	958601		46
143	08JMSB3008	SB4404	958642		32
143	08JMSB3008	SB4404	958602		32
144	08JMSB3009	SB4404	958643		19
144	08JMSB3009	SB4404	958603		23
145	08KSSB3021	SB4404	1937158		52
145	08KSSB3021	SB4404	1937159		52
146	08KUSB3001	SB5405	1335502	8	13
146	08KUSB3001	SB5405	460099	8	34
147	08KUSB3037	SB4503	396780		29
147	08KUSB3037	SB4503	1419697		36
148	08KUSB3040	SB4503	1335553		32
148	08KUSB3040	SB4503	1393249		40
149	08M9SB3007	SB4404	954733		21

149	08M9SB3007	SB4404	813097		47
150	08M9SB3008	SB4404	954734		21
150	08M9SB3008	SB4404	813098		43
151	08M9SB3009	SB4404	813099		10
151	08M9SB3009	SB4404	954735		5
152	08M9SB3010	SB4404	954736		22
152	08M9SB3010	SB4404	813100		50
153	08M9SB3012	SB4404	954738		3
153	08M9SB3012	SB4404	813102		3
153	08M9SB3012	SB4404	954738		3
154	08M9SB3013	SB4404	954739		21
154	08M9SB3013	SB4404	813103		40
155	08M9SB3014	SB4404	813104		35
155	08M9SB3014	SB4404	954740		21
156	08N9SB3010	SB4404	953570		50
156	08N9SB3010	SB4404	927010		25
157	08NASB3051	SB5405	719270	10	35
157	08NASB3051	SB5405	719267	10	26
158	08NDSB3048	SB5406	762139	9	42
158	08NDSB3048	SB5406	956286	9	42
159	08NMSB3010	SB4401	878897		27
159	08NMSB3010	SB4401	878899		13
160	08P8SB3001	SB4401	878795		30
160	08P8SB3001	SB4401	878915		30
161	08P8SB3005	SB5406	1364066	8	45
161	08P8SB3005	SB5406	845187	8	42
162	08PFSB3005	SB4503	1877250		61
162	08PFSB3005	SB4503	1877409		40
163	08PUSB3028	SB5406	1713835	7	2
163	08PUSB3028	SB5406	1713828	7	41
164	08Q4SB3001	SB4404	1651966		11
164	08Q4SB3001	SB4404	972111		14
165	08Q4SB3003	SB4404	1651968		32
165	08Q4SB3003	SB4404	972110		49
166	08Q4SB3005	SB4404	1651969		6
166	08Q4SB3005	SB4404	972108		44
167	08Q4SB3008	SB4404	1651971		32
167	08Q4SB3008	SB4404	972105		21
168	08Q4SB3009	SB4404	1651972		15
168	08Q4SB3009	SB4404	972104		42
169	08QTSB3003	SB4404	370595		35
169	08QTSB3003	SB4404	370642		32
170	08QXSB3005	SB4503	1135213		27
170	08QXSB3005	SB4503	1937058		37
171	08RCSB3003	SB5406	1315769	9	21
171	08RCSB3003	SB5406	1162050	9	44

172	08RNSB3065	SB5405	1401362	7	15
172	08RNSB3065	SB5405	1401371	7	21
173	08RNSB3112	SB5406	1403683	8	21
173	08RNSB3112	SB5406	1403756	8	32
174	08RNSB3178	SB5405	1401532	9	21
174	08RNSB3178	SB5405	1401534	9	21
175	08RSSB3007	SB4404	1367841		16
175	08RSSB3007	SB4404	1284560		13
176	08RSSB3011	SB4404	1367854		12
176	08RSSB3011	SB4404	1284546		13
177	08RSSB3038	SB5406	1306690	10	40
177	08RSSB3038	SB5406	1306699	10	40
178	08RSSB3087	SB5406	1306549	8	10
178	08RSSB3087	SB5406	1299549	8	10
179	08RSSB3141	SB4404	1367712		39
179	08RSSB3141	SB4404	1284404		32
180	08RSSB3194	SB5405	1278179	10	23
180	08RSSB3194	SB5405	1275179	10	23
181	08SBSB3012	SB4404	903105		32
181	08SBSB3012	SB4404	903106		36
182	08SBSB3032	SB5405	903074	10	24
182	08SBSB3032	SB5405	917436	10	14
183	08SBSB3033	SB5405	903075	10	16
183	08SBSB3033	SB5405	917437	10	10
184	08SBSB3034	SB5405	903076	9	32
184	08SBSB3034	SB5405	917438	9	27
185	08SBSB3035	SB5405	903077	10	49
185	08SBSB3035	SB5405	917439	10	31
186	08SKSB3063	SB4404	1582943		32
186	08SKSB3063	SB4404	1582898		50
187	08TSSB3001	SB4404	626973		32
187	08TSSB3001	SB4404	614043		17
188	08TSSB3003	SB4404	614045		10
188	08TSSB3003	SB4404	614003		57
189	08TSSB3015	SB5405	1032030	10	26
189	08TSSB3015	SB5405	877959	10	26
190	08TSSB3020	SB5405	1032035	10	52
190	08TSSB3020	SB5405	977914	10	39
191	08TSSB3037	SB4404	614041		32
191	08TSSB3037	SB4404	614037		34
192	08TTSB3016	SB5405	680641	10	24
192	08TTSB3016	SB5405	680642	10	12
193	08UDSB3016	SB5406	442210	7	38
193	08UDSB3016	SB5406	428740	7	10
194	08UDSB3036	SB4404	404839		48
194	08UDSB3036	SB4404	404847		37

195	08UDSB3160	SB5406	418566	4	43
195	08UDSB3160	SB5406	449363	4	40
196	08UDSB3166	SB4404	404962		56
196	08UDSB3166	SB4404	404961		33
197	08UHSB3001	SB5406	807826	5	28
197	08UHSB3001	SB5406	807725	5	26
198	08V6SB3003	SB5406	203933	10	26
198	08V6SB3003	SB5406	1426733	10	36
199	08V7SB3002	SB5405	927047	9	23
199	08V7SB3002	SB5405	927055	9	45
200	08V7SB3004	SB4404	953609		9
200	08V7SB3004	SB4404	927049		27
201	08V7SB3005	SB5405	927050	10	57
201	08V7SB3005	SB5405	953610	10	47
202	08VGSB3048	SB5405	948000	10	27
202	08VGSB3048	SB5405	947985	10	46
203	08VJSB3001	SB5406	1792502	10	50
203	08VJSB3001	SB5406	1695750	10	30
204	08VJSB3009	SB5406	1792508	0	28
204	08VJSB3009	SB5406	1695756	0	6
205	08VJSB3010	SB5406	1695757	10	25
205	08VJSB3010	SB5406	1792509	10	52
206	08VJSB3014	SB5406	1792513	10	50
206	08VJSB3014	SB5406	1695761	10	35
207	08VJSB3015	SB5406	1792514	10	48
207	08VJSB3015	SB5406	1695762	10	21
208	08VJSB3016	SB5406	1792515	10	36
208	08VJSB3016	SB5406	1695763	10	22
209	08VJSB3017	SB5406	1792516	10	56
209	08VJSB3017	SB5406	1695764	10	49
210	08VJSB3019	SB5406	1792518	10	50
210	08VJSB3019	SB5406	1695766	10	32
211	08VJSB3025	SB5406	1792523	10	46
211	08VJSB3025	SB5406	1695771	10	49
212	08VJSB3026	SB5406	1792524	10	54
212	08VJSB3026	SB5406	1695772	10	46
213	08VJSB3028	SB5406	1792526	10	52
213	08VJSB3028	SB5406	1695774	10	46
214	08VJSB3029	SB5406	1792527	10	49
214	08VJSB3029	SB5406	1695775	10	49
215	08VJSB3030	SB5406	1695776	10	42
215	08VJSB3030	SB5406	1792528	10	48
217	08WNSB3001	SB5406	1656857	0	21
217	08WNSB3001	SB5406	1657157	0	21
218	08X2SB3012	SB5405	1673362	9	13

218	08X2SB3012	SB5405	1673361	9	22
219	08XBSB3019	SB5405	530524	9	33
219	08XBSB3019	SB5405	1241585	9	46
220	08XWSB3037	SB5405	927073	6	27
220	08XWSB3037	SB5405	953645	6	38
221	08XWSB3038	SB5406	927079	7	32
221	08XWSB3038	SB5406	998406	7	26
232	08YLSB3003	SB5405	1032054	6	21
232	08YLSB3003	SB5405	977905	6	3
234	08YYSB3055	SB4404	1291846		46
234	08YYSB3055	SB4404	1291551		41
235	08YYSB3056	SB4404	1291847		17
235	08YYSB3056	SB4404	1291552		23

Data for other courses are under preparation.

BU should take charge of the answer scripts displayed above and make further investigations to verify if duplicate answer scripts exist and consider further action on the same.





Process Improvement – Target - Achievement- Gaps- Cause Analysis

The recently concluded examination process has seen the introduction of a number of new initiatives to improve the exam system.

These improvements have been monitored, measured & analyzed.

The results achieved have been compared against the targets set when the project was started.

Gaps in achievement have been analyzed and root cause identified for their non achievement.

Corrective actions need to be initiated for those areas where targets have not been achieved.





Stakeholder Satisfaction

Stakeholder's satisfaction - Vendor performance and rating. It is very important to obtain the feed back of various stakeholders as they can tell us if the reforms being carried are beneficial or not. Further they can also tell us if the measures implemented are effective or not.

Discussions have been held with all stakeholders on the current improvement initiatives. Their feed back has been obtained and analyzed. These have been considered for future implementation.

Due to lack of time vendors selected for various activities could not be evaluated before placing the orders.

Performance audits have been carried out on the vendors appointed in phase 1 and the findings of these will be used when finalizing orders during phase 2.

Further their performance will be monitored and corrective steps will be taken to ensure goals are achieved.





HR Upgradation

University skill up gradation, student, Indian CST, college etc.

The current initiative has resulted in the introduction of new technologies and also proposed introduction of many other new technologies.

As many of the university staff may not be familiar with these new technologies providing training to them in using these technologies is very critical to the success of the whole process.

Students will also be using some of these new technologies and therefore will need to be guided in the use of the same.

Students and college staff will also need to be educated on the use of new web based systems.

Indian CST will prepare the requisite training material needed for carrying out the above training.





Strategic Planning

To take forward the reforms process a detailed plan needs to be evolved for the coming November exam and also in the long term for the subsequent exams.

The plan should focus on process improvements and strengthening, technology initiatives, error proofing the system, and improving the infrastructure as needed to achieve the objectives.

The planning process could involve not only the executive level staff of BU but also some senior level Principals of colleges and eminent Professors.

The recommendations made in this report should be studied and action points that can be implemented immediately should be taken up for implementation.

Responsibilities and time frames should be clearly defined in the plan to ensure its timely implementation.

The best practices of other top universities in India and abroad can be benchmarked and practices suitable to BU can be identified for implementation.



Targets and Achievements

Status of the project as on 6th September 2010

Sl No	Scope of work	Current Status	Remarks
1	Phase I (the Proof of Concept Phase) shall be limited to the conduct of the under-graduate semester examinations .	Phase I completed.	Based on the completion of UG examination, letters have been awarded by BU to take up the work of PG, BEd, and distance education exams also.
2	Make recommendations for the introduction of processes and technological measures, for the modernization and reform of the examination processes.	Recommendations were made and presented to various BU committees.	Based on the proceedings of the core committee, dtd 27/04/2010, certain recommendations are identified for implementation along with budgetary limits.
3	Assist BU in the implementation of the recommended processes and measures.	A project Management Office is set up at the BU computer center and is functioning. Infrastructure such as computers, LAN, software, manpower, broadband has been installed. BU has provided the space and some almirah.	Additional resources required are to be made available by BU and cost of resources deployed by INDIANCST to be reimbursed.
4	Assist BU in identifying and selecting eligible vendors of the required tools and technologies, in a transparent and cost effective manner, including through e-tendering and reverse auction conducted by KSPHC.	E-tendering and reverse auction completed for Phase I. Approval for deployment for CC TV and hosting services work orders are not issued.	It is suggested that fresh tenders may be called for such of those services as required in Phase II & beyond. Ex - scanning and photocopying are likely to be continued it is better that suitable agencies to be fixed for a longer period ie 3 years for getting competitive prices.
5	Advice BU on methods/strategies for efficiently and effectively ensuring implementation of the reforms given the urgency of the situation and the time constraints, ahead of the semester examinations, including for splitting up of work more than one vendor.	Completed in Phase I.	For Phase II, a meeting may be scheduled to discuss further changes that may be required for implementation.

6	supervise the conduct of a system audit by an agency to be engaged by BU and compile and submit a system audit report to BU, at the conclusion of Phase I, to enable them to gauge the efficacy of measures implemented and identify further weaknesses and loopholes in the system, that need to be addressed.	Completed in Phase I.	For Phase II, a meeting may be scheduled to discuss further changes that may be required for implementation.
7	Prepare the draft Request for Proposals (RFPs) for the design, development and implementation of each of following measures, assist BU in identifying suitable vendors for hardware/ software/services required in relation to each of these measures, work with the vendors identified by BU and monitor day-to-day the development and commissioning of each of these measures by the vendors chosen by BU and guide them in relation to the requirements of the project a. Deployment of a Collaborative Examination Portal ('Portal') for sharing of information amongst various participants and stakeholders in the examination system. b. Deployment of a One Time Password system to provide for secure access of information and results online, by students. c. A time and attendance management system based on biometrics for evaluators and staff. d. A system of scanning and digitizing answer scripts immediately upon completion of the evaluation, to ensure maintenance of a secure record. e. Deployment of a Global Project Management system whereby the progress on various activities of different vendors can be tracked and achievement or delay in achievement of milestone deliverables can be recorded.	Completed Not done in Phase I	For Phase II, a meeting may be scheduled to discuss further changes that may be required for implementation.
8	Design and deploy a Global Web Based Project Management system to track and monitor the various activities of vendors and to keep track of each of their milestone deliverables. INDIANCST will inform BU of any concerns relating to the delivery by any vendors and aid BU in taking necessary actions to make sure that the deliverables are obtained and deadlines are met.	Completed	A review meeting may be called for presentation of the GPMS. A discussion may also be held for additional features that are not covered by the MOU.

9	Advice BU on the required information technology infrastructure, networking, bandwidth, software and applications, required for deployment of the various IT enabled measures identified above.	Completed	Orders from BU for hosting services is required to be released by BU or re-tendering to be done.
10	Maintain a stable secure dedicated In-house IT centre cum Disaster Recovery facility located inside BU campus. INDIANCST will work with BU and advice it on various aspects connected with setting up and operating such a facility.	One technical meeting was held with the BU IT staff and minutes enclosed.	Follow up measures are to be taken.
11	Advice BU on and recommend any version upgrades, after the implementation of Phase I and ahead of undertaking the semester examinations for the next semester.	This report is submitted as compliance there off.	Decision of the BU to be communicated.

List of Activities carried out at request of BU which is not listed in the MOU

- Collection of Applications for re-evaluation.
- Collection of Demand Drafts for re-evaluation and submission to BU.
- Development of system for online application.
- Usage of mobile application in exam centers for data collection.
- Development of Application form.
- Development of financial package.
- Development of online help desk and receipt of student complaint.
- Photo copying of answer scripts.
- Managing re-evaluation, challenge evaluation, scanning and digitization processes.
- Managing interface between examination centers and BU teams.
- Integration of BU data base.



Time Sheet

During the BU exam recently concluded under graduate, post graduate, B.Ed & Post Graduate correspondence courses were covered for the audit process. Observers were deputed to all the exam centers for the above courses.

Exam Schedule

Undergraduate Course

Second semester - 13-05-2010 to 05-06-2010

Fourth Semester - 14-05-2010 to 07-06-2010

Sixth Semester - 13-05-2010 to 25-05-2010

Post Graduate Course

Exam dates - 11-06-2010 to 10-07-2010.

B.Ed Course

First Semester - 25-06-2010 to 03-07-2010.

Post Graduate Correspondence Courses

Exam dates - 26-07-2010 to 12-08-2010.

Time spent by various categories of personnel for the BU project.

Indian CST executive personnel - 50 man days

IQC audit personnel - 150 man days

ITI / G4S & Other observers - 5325 man days

Indian CST operational personnel

List of all Indian CST Personnel

Sl No	Name	Sl No	Name
1	Mr R Sri Kumar	21	Sudha
2	Mr JK Rao	22	Ravi
3	Mr Raja Seevan	23	Prathima
4	Mr Vivek	24	Jancy
5	Mr D' Souza	25	Madhu (office boy)
6	Mr Bhaskar	26	Gangoji Rao
7	Banumathi M	27	Narayanan
8	Chaya	28	Praveen
9	Srinivas	29	Nanada
10	Suresh	30	Zameer
11	Uddepta	31	Mathavi
12	Sunil N S	32	Swetha
13	Girish M R	33	Jayamani
14	Rashmi M G	34	Rashmi
15	Mr. Vernon Dsouza	35	Vanitha G
16	Pradeep	36	Mohana M N
17	Narayanan	37	Ramya
18	Jaya Prakash	38	Manikandan
19	Lakshmi		
20	Promod		

List of G4S Officials

Details of G4S Employees Posted as Observer in the following examination center
(May-June 2010)

SL. NO.	COLEGE SL. NO.	CLOCK NO.	NAME OF THE OFFICER	CONTACT NO.	NAME OF COLLEGE (EX-AMINATION CENTER)	G4S BRANCH	COTROL ROOM ID NO.
1	109	5432	BADRIPRASAD	9342257689	GOVT Fr Gr COLLEGE CHENNAIPATTNA	MYSORE	180
2	110	57953	HEMA SHEKAR	7676522201	SREE KUVEMPU MAHAVIDAYALA, CHENNAIPATNA	MYSORE	178
3	113	6122	HUNTHURIAIAH	9902871324	GOVT.Fr Gr. COLLEGE, RAMANAGAR	MYSORE	123
4	111	437081	Y DHARMA REDDY	9591540046	GOVT.Fr Gr. COLLEGE, DEVANAHALLI, BANGALORE	YELANAKA	204
5	118	78611	H.YUVARAJA NAIK	9945761511	SRI KONGADIYAAPPA Fr.Gr. COLLEGE, DODDABALPUR	YELANAKA	83
6	121	81356	K.SRINATH	9743984370	PRAGATHI Fr.Gr COLLEGE FOR WOMEN, BANGALORE	YELANAKA	80
7	130	364018	NATARAJA	9379357076	GOVT.Fr Gr. COLLEGE, CHIKBALAPUR	YELANAKA	30
8	123	250356	K. RAMACHANDRA	9008630160	AES NATIONAL COLLEGE, GOWRIBINDNUR	YELANAKA	211
9	124	88778	P N RAJESH	9945468133	ACHARYA Fr.Gr.COLLEGE FOR WOMEN, CHICKABALLAPUR	YELANAKA	144
10	131	83469	NARAYANASWAMY K	9964498152	VISHNUPRIYA COLLEGE OF MANAGEMENT STUDIES, CHICKABALLAPUR	YELANAKA	77
11	133	249244	LAKSHMANA	9590466374	NATIONAL Fr. Gr. COLLEGE BAGEPALLY	YELANAKA	212
12	144	54176	THIPPESWAMY K T	9880507106	Gv. ARTS COLLEGE TUMKUR	YESWATHPUR	196
13	145	4842	MYLARRPPA	9535247913	Gv. SCIENCE COLLEGE TUMKUR	YESWATHPUR	199
14	147	54256	HEMANANADA	9243823016	SREE SIDDAGANGA COLLEGE OF ARTS SCIENCE AND COM FOR BOYS, B.H.ROAD, TUMKUR	YESWATHPUR	156
15	119	85047	PURUSHOTHAMMA REDDY	9900859881	Gv.Fr.Gr. COLLEGE, MAGADI	YESWATHPUR	116
16	148		MALLE GOWDA	8951440285	Gv.Fr.Gr. COLLEGE, MADHUERI	YESWATHPUR	53
17	116	1193	A D ASHOK	9902964815	SREE SIDDGANGA COLLEGE OF ARTS SCIENCE AND COM, NELLAMANGALA	YESWATHPUR	22

18	146	292849	KUMAR	9449302809	PALLAGATHI ADAVAPPA ARTS & COMMERCE COLLEGE, TIPTUR		177
19	128	85594	CHANDAN KUMAR SINGH	9945672110	Gv.Fr.Gr. COLEGE FOR WOMEN, P.B.NO. 25, CHINTAMANI		102
20	122	53400	KUMAR SWAMY	9731271812	Gv. Fr.Gr.COLLEGE, VARTHUR		31
21	112	2297	V.MADHUSUDHANAN	9901692552	G v. F r. G r. C O L L E G E HOSKOTE		137
22	108	292839	R.MANO HAR	9535284138	SWAMY VIVEKANNADA RURAL Fr. Gr. COLLEGE, CHANDAPURA		5
23	126	44819	M.MANJUNATHA	9632032635	Gv.Fr Gr.COLLEGE, BAGARAPET		159
24	137	368197	VISHWANATH	9986289570	Gv.Fr.Gr.COLLEGE FOR BOYS, KOLAR		175
25	125	29563	REDDEPPA B	8050765238	ADHARVA COLLEGE OF MANAGEMENT STUDIES & SCIENCE, P C HALLY KOLAR		9
26	107	89933	PARASHU RAM	9739206835	Dr. S. GOPALARAJU GOVT. Fr.Gr. COLLEGE, ANEKAL		235
27	139	15249	RAJVIR SINGH	9620478401	GOVT. Fr.Gr. COLLEGE FOR WOMEN, KOLAR		119
28	138	15242	SOMA SHEKAR M	9449404476	GOKUL COLLEGE OF ARTS SCIENCE AND MANAGEMENT SUDIES, JAYANAKUR EXTENTION, HAROHALLI KOLAR		221
29	117	16393	B.PRADHAN	9019635361	SARDARVALLABAI PATIL, Gr.Gr.COLLEGE SARJAPUR		86
30	127	16481	MAHESH G	9845394831	GOVT. Fr.Gr. COLLEGE FOR BOYS, 125, CHINTAMANI		139
31	129	46068	SRI KRISHNA PRADHAN	9731271452	PRAGATHI COLLEGE OF SCIENCE & MANAGEMENT STUDIES,M.G.ROAD, CHINTAMANI	DOMLUR	129
32	136	366356	SURYANARAYANA S	9945204691	GOVT. Fr.Gr. COLLEGE SIDDALAGHATTA	DOMLUR	231
33	140	86342	ASHOKA	9980699695	DANAMMA CHANNA- BASAVIAH MAHILA SANGA Fr.Gr. COL- LEGE FOR WOMEN	DOMLUR	91
34	115	17048	Y M MANJUNATH	9740929987	THE RURAL COLLEGE KANAKAPURA	DOMLUR	110
35			CHANDRA SHEKHAR	9740567340	GOVT Fr Gr COLLEGE KU- DUR		176
36		366951	A SRINIVASAMURTHY	8050563262	SAMBARAM COLEGE VIDYARANYAPURAM		18

37		368216	SHYAMAL HALDER	9019508715	SAMBARAM COLEGE VIDYARANY-APURAM		213
38		78367	S. PAPANNA	9844391937	BRINDIAVANA FIRST GRADE COLLEGE BOOPASANDRA		243
39		364429	G.SHANKAR	9900702812	BRINDIAVANA FIRST GRADE COLLEGE BOOPASANDRA		112
40		54339	K.NAGA RAJU	9964655105	PUSHPAGIRI COLLEGE, MAGADI		179
41		366912	VENKATESHA K V	9663173195	PUSHPAGIRI COLLEGE, MAGADI		209
42		45088	RAMCHANDRAPPA	9902829139	KOLAR GOVT. FR.GR.COLLEGE MAGADI		94
43		366876	KARIBASAVESHWARA R		KOLAR GOVT. FR.GR.COLLEGE MAGADI		97
44	97	437371	AMARESHA K Y	8105597741	VIDYAVAHINI FIRST GRADE COLLEGE, ANADANAGAR BANGALORE -24		85
45	106	437297	B. Prasanna Kumar	9141617842	NSAM FIRST GRADE COLLEGE, YELAHANKA		200
46	1	26872	Teppaya	8050944675	APS COLLEGE OF ARTS,SC,NR COLONY,BANGALORE -560019		61
47	2	1355	N.Venkatesh	9972754522	APS. COLLEGE OF COMMERCE, NR COLONY,BANGALORE - 560 019		28
48	18	16836	Neelappa SB	9731455519	BTL Fr. Gr. COLLEGE, 259(B), BOMMASANDRA INDUSTRIAL ARES,HOSUR ROAD,BANGALORE-560078		26
49	19	78760	Gurumurthy	944977098	ST.FRANCIS DE.SALES COLLEGE, HEBBAGODI,ELECTRONIC CITY BANHALORE-100		60

(for UG Exam May-June 2010)

List of ITI Officials

SL. NO.	NAME	STAFF NO.	ICST ID NO.	CONTACT NO.	NAME OF THE COLLEGE	COLLEGE SL.NO AS PER DATED 29th APRIL 2010
1	DALU GA	00318-G	36	9448606226	CITY COLLEGE, NO.7, 2ND MAN, 33RD CROSS, JAYANAGA 7TH BLOCK, BANGALORE -56 00 82	61
2	NEELIMA GUPTA	00483-F	19	9036067339	GOVT. FR.GR.COLLEGE, 3RD MAIN , 9TH CROSS, RPC LAYOUT, VIJAYANAGAR, BANGALORE 560 040	29
3	LOKAMBHA R	00653-F	66	9945585437	SIVANANDA SHARMA MEMORIAL RASTRIYA VIDAYALAYA (SSMRV) 26TH MAIN 36TH CROSS, 4TH T BLOCK, JAYANAGAR, B LORE-11	74
4	MALATHVADIRAJ	00681-F	73	9480772844	BHARATHIYA SAMSKRITI VIDYAPITAARTS COMMERCE COLLEGE FOR WOMEN, VIJAYANAGAR, BLORE -40	15
5	BALA KRISHNA P M	01008-R	17	9916106770	SAMBHRAM ACADEMY OF MGT. AMABABHAVANI TEPLER ROAD, JYOTHINAGAR, VIDYARANYA PURA, BANGALORE-560 097	60
6	KANAKARAJ PK	1032 C	33	9972115490	B.E.T. COLLEGE OF MGT & Sc. DODDABANASWADI, BANGALORE 560 043	100
7	BABY MARGARATE THATIGIRI	01253 H	166	9972555230	KRISTU JAYANTHI COLLEGE K. NARAYANAPURA, KTHANUR (POST) K.R.PURAM BANGALORE - 560 077	49
8	SUNIL K	01260 B	37	9449340996	MAHARANI LASHMI AMMANNI COLLEGE FOR WOMEN, 18th CROSS, MALLESWARAM, BANGALORE -560 003	54
9	SOME SEKHARA M N	01352Q	92	9538042754	BHAGWAN BUDDHA Fr. Gr. COLLEGE OF ARTS, COMMERCE & BUSINESS Mgt. 29, 2nd MAIN ROAD, NAGARBHAVI ROAD, BYRAVESHWARA NAGAR, BANGALORE - 560 072	30
10	RAVICHANDRAN	01438L	44	9964478204	SRI AUROBINDO Fr. Gr. COLLEGE FOR WOMEN, No.6/C. 5th MAIN, 2nd STAGE, WEST OF Dr. BENDRE ROAD, BEHIND MODI HOSPITAL MAHALAKSHMIPURAM, BANGALORE - 560 086	27
11	RAMACHANDRA RAO	01479 R	72	9590855702	VIJAYA DAY COLLEGE, BASAVANAGUDI R V ROAD, BANGALORE -56004	95A
12	NAGARAJA HEGDE	01486B	237	9448405179	HASANATH COLLEGE FOR WOMEN 43, DICKENSON ROAD, BANGALORE 560042	36

13	THYAGARAJ S	01540-L	70	9481478780	BISHOP COTTON WOMENS CHRISTIAN COLLEGE, NO.19, III CROSS ESI COMPOUND, BANGALORE -560011	13
14	GOPALA KRISHNA SM	01593R	195	9242531249	BALDWIN WOMEN'S METHODIST COLLEGE, NO. 90, RICHOND ROAD, BANGALORE 560 025	44
15	DEENA DAYALAN	01597-R	189	9901767551	GARDEN CITY COLLEGE OF Sc. & Mgt. STUDIES, 16th (km) OLD MADRAS ROAD, VIRGONAGAR, POST, BANGALORE - 560 049	33
16	SATHYANARAYANA PRASAD	01710H	3	9964583450	VISVESWARAPURAMM COLLEGE OF ARTS & COMMERCE, K.R.ROAD, BANGALORE - 560 004	93
17	KESHAHA G	01733-B	67	9483009032	BHS Fr. Gr. COLLEGE, 11th MAIN, 4th BLOCK, JAYANGAR, BANGALORE -560 011	14
18	NANJAPPA N	01954R	155	9632453381	VISVESWARPURAMM COLLEGE OF SCIENCE, K.R.ROAD, BANGALORE - 560 004	94
19	MUNUSWAMY P	02124Q	56	9845917597	ACHARYA INST. OF Mgt. & Sc., 1st STAGE, 1st CROSS, PEENYA INDUSTRIAL ESTATE, BANGALORE - 560 05.	6
20	VEKATESHA ADIGA	02170H	122	9448836932	JSS COLLEGE FOR WOMEN CA. NO.4/A, 14TH MAIN ROADM 6TH SECTOR HSR LAYOUT , NEAR BDA COMPLEX, BANGALORE - 560 034.	46
21	SURESHBABU	02566R	145	8971909228	GOVT. Fr.Gr.COLLEGE, AGARA, HOSUR, SARJAPUR ROAD, BANGALORE - 560 034	48
22	MUNIYAMAL S	02903-H	79	9341275820	ST. ANNE'S FR. GR. COLLEGE FOR WOMEN, RAMAMURTHY NAGAR, BANGALORE - 560 016	86
23	THOORYAMANI AS	03003R	171	9902017176	SREE MANGILAL SUNDAR BAI GOTAWAT JAIN ARTS & COMMERCE DEGREE COLLEGE, 17TH 'C' CROSS ROAD, CHINMAYA MISSION ROAD, INDIRANAGAR, BANGALORE - 560 038	80
24	USHA MANI	03104 Q	143	9901995796	MALLESWARAM LADIES ASSOCIATION FR. GR. COLLEGE FOR WOMEN 14TH CROSS, MALLESARAM, BANGALORE - 560 003	55
25	NAGENDR RAO	03138 R	42	9620187426	NRI NSITUTE , NO. 6, PAPIREDDY PALYA, NAGARBHAVI II STAGE, BANGALORE - 560 072	83
26	MAHADEV V G	03575 R	51	9448110373	CMR INST. OF MGT. STUDIES NO,2079, 2ND MAIN ROAD, 3RD BLOCK, 3RD STAGE, HBR LAYOUT, KALYANA NAGAR, BANGALORE -560 043	31
27	RANGANATHA GUPTA	03891R	55	9844488691	KLE SOCIETY'S S. NAJALINGAPPA COLLEGE, P B NO.1040, RAJAJINAGAR II BLOCK, BANGALORE - 560 010.	47
28	MAHADVARAO	04233 Q	6	9980483322	SRI JAGADGURU RENUKACHARYA COLLEGE OF ARTS, SC. & COMMERCE, 9 ANANDARAO CIRCLE. BANGALORE 560 009.	78

29	YATEESH	04646-U	210	9900111888	BHAGIRATHI BAI NARAYAN RAO MANEY FR. GR, COLLEGE FOR WOMEN, PB NO. 7087, 17TH MAIN, 27TH CROSS, BSK II STAGE, BANGALORE - 560 070.	11
30	FASI US ZAMA	04848R	192	9008432558	VET FR. GR. COLLEGE, 14TH MAIN ROAD, II PHASE, JP NAGAR, BANGALORE -560 078	101
31	PARIMALA INBANATHAN	05064R	183	9783005623	ST. GEORGE COLLEGE OF SCIENCE & MGT. OMBR LAYOUT, 3RD MAIN, 4TH CROSS BANASWADI, BANGALORE - 560 033.	81
32	JANAKI CR	05088R	99	9343022201	SHESHADRIPUTAM COLLEGE OF ARTS, SCIENCE & COMMERCE, SHESHADRIPURAM, BANGALORE - 560 020.	72
33	MARGARET J	05119R	40	8050507403	M.S. RAMAIAH COLLEGE OF ARTS, SCIENCE & COMMERCE, GOKUL EXTN, MSR NAGAR, MSRIT, BANGALORE 560 054	59
34	PRAMLA RAVIN-DRANATH	05526	93	9632729206	SJES COLLEGE OF HOTEL MANAGEMENT, MEDAHALLY, OLD MADRAS ROAD, BANGALORE - 560 049	34
35	SRINIVASAN M	5994 R	124	9742055932	DAYANANDA COLLEGE OF ARTS, SC. & COMMERCE, SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, KANAKAPURA ROAD, SOUTH END, JAYANAGAR, BANGALORE - 560 078.	20
36	BALA RAJ A	06101 M	216	9945478461	REDDY JANA SANGHA FR. GR. COLLEGE, 17TH MAIN ROAD, 3RD BLOCK, KORAMANGALA, BANGALORE - 560 034	70
37	PRASAD RVR	06229 R	4	9483009177	MAHARANI'S SCIENCE COLLEGE FOR WOMEN, SHESHADRI ROAD, BANGALORE - 560 009	53
38	SHARMA M L	06469J	43	8050935732	BES FR. GR. COLLEGE OF ARTS, SC. & COMMERCE, 16TH MAIN ROAD, 4TH BLOCK , JAYANAGAR, BANGALORE - 560 011	8
39	VIDURY DAVID	07030P	106	9591040400	DR. AMBEDKAR FR. GR COLLEGE, HAL II STAGE, INDIRANAGAR, BANGALORE - 560 038	21
40	KANNIYAPPAN	07181R	170	8105711274	REDDY JANA SANGHA FR. GR. COLLEGE, 17TH MAIN ROAD, 3RD BLOCK, KORAMANGALA, BANGALORE - 560 034	70
41	JAYASHREE SHYAMA SUNDER	07204P	27	9886805496	THE OXFORD COLLEGE OF SCIENCE 1ST PHASE JP NAGAR, BANGALORE - 560 078	64
42	MANI G	07244R	154	9900811750	RAJAJINAGAR PARENTS ASSOCIATION FR. GR. COLLEGE, CA -2, 5TH BLOCK 69H CROSS, RAJAJINAGAR, BANGALORE 560 010.	68
43	SURESH S	07397G	247	9945261066	MES COLLEGE OF ARTS, SCIENCE & COMMERCE, MALLESWARAM, BANGALORE - 56 003.	56
44	SRINIVASAMURTHY N	07416R	173	9741453452	SESHADRIPURAM ACADEMY OF BUSINESS, KS TOWN, BANGALORE - 560 060	51
45	LAKSHMINARAYANA BM	07442M	135	9449011625	VIDYAVARDHAKA SANGHA FR. GR. COLLEGE FOR WOMEN, "MANGALA DHAMA", BASAVESHWARA NAGAR, 2ND BLOCK, 3RD STAGE, BANGALORE - 560 079	92

46	ASHOK K	07575	140	9844299868	SREE GANDADAKAVALU FR. GR. COLEGE SRIGANDADAKAVAL, VIJAYANAGAR NORTH, BANGALORE - 560 079	82
47	PRAKASH S	7740 K	98	9342896686	SESHADRI PURAM INST. OF COMMERCE & MANAGEMENT, SESHADRI PURAM, BANGALORE - 560 020	45
48	NAGARAJA MV	07841R	134	9980301535	BMS COLLEGE FOR WOMEN, BUGLE ROCK ROAD, BASAVANAGUDI, BANGALORE -560 004	16
49	ANAND SETTY	08054R	165	9632313458	VASAVI VIDYANIKETHAN DEGREE COLLEGE, NO.3, VANI VLAS ROAD, BANGALORE - 560 004	90
50	SAYED NISAR AHMED	08185R	244	9980760113	ALLIANCE BUSINESS ACADEMY, 19TH CROSS, 7TH MAIN, N.S.PALYA, BTM 2ND STAGE, BANGALORE - 560 076	66
51	SUNDARA SEKARAN G	09017	24	9480588629	SEA COLLEGE OF COMPUTER SCIENCE, DEVA SANDRA, KODGENAHALLI MAIN ROAD, BASAVAPURA, BANGALORE -560 049.	35
52	DASS	09435R	88	9448324390	VIJAYA EVENING COLLEGE, BASAVANAGUDI, R.V.ROAD, BANGALORE - 560 004.	95
53	VINCENT UVARAJ	09472-Q	50	9481905643	INSTITUTE OF SPEECH AND HEARING HENNUR ROAD, BANGALORE - 560 084	39
54	PRABHAJAR N	09584 R	71	9449345662	PES COLLEGE, BSK IST STAGE, 50 FT, ROAD, HANUMATHANAGAR, BANGALORE - 560 050.	63
55	SAMPATH RAJ	09862-R	35	8123471410	ABBAS KHAN COLLEGE FOR WOMAN, HAMMEDSHA DARGA COMPOUND, OTC ROAD CUBBONPET, BANGALORE - 560 002.	5
56	VIJAZHI MANI V	1004L	126	9739278406	ST. ANNE'S FR. GR. COLLEGE FOR WOMEN, NO. 2, MILLERS ROAD, VASANTH NAGAR, BANGALORE - 560 052.	85
57	RAHAVENDRA RAO B S	10335P	69	9980494855	H.K.E.S. SRI VEERENDRA PATIL COLLEGE OF SCIENCE, ARTS & COMMERCE, 11TH CROSS, 11TH MAIN, RAJMAHAL VILAS EXTN., SADASHIVNAGAR, BANGALORE - 560 080	65
58	BHAGAVAN	10756R	10	9481425517	APS COLLEGE OF COMMERCE, N.R. COLONY, BANGALORE - 560 019	2
59	SRINIVASA BABU V	10796H	117	9480796838	GOOD WILL CHRISTIAN COLLEGE FOR WOMEN, NO.10, PROMENADE ROAD, FRAZER TOWN, BANGALORE - 560 005.	40
60	FRANCIS IGNATIUS	10841-F	74	9448622996	ICST, NO.165, 13TH MAIN, VASANTH NAGAR, BANGALORE - 560 052	ICST
61	ASHOK MURUGESH	10864P	41	9449994786	BANGALORE CITY COLLEGE, NO. 160, CHELIKERE MAIN ROAD, BANASAWADI OUTER RING ROAD, KALYAN NAGAR (POST) BANGALORE - 560 043.	17
62	SURESH GS	11189-H	38	9731593869	INDO ASIAN ACADEMY DEGREE COLLEGE, #10, 4TH "D" MAIN, HRBR LAYOUT, 2ND BLOCK, KALYAN NAGAR, BANGALORE - 560 043	43
63	SHIVASWAMY B	11573 R	96	28566854	GOVERNMENT FR. GR. COLLEGE, YELAHANKA, BANGALORE - 560 0064	102
64	HANUMANTHA PRASAD S	11578	49	9900495322	SURANA COLLEGE OF ARTS, SCIENCE COMERCE & MGT. NO.16, SRI NITTOORU SRINIVASARAO ROAD, SOUTH END, BANGALORE - 560 004	84

65	SHIVASHANKAR	11706P	16	26606892	SRI BHAGAWAN MAHAVEER JAIN DAY COLLEGE, DR. A.N.KRISHNARAO ROAD, V.V. PURAM, BANGALORE - 560 004	77
66	RAJA GOPAL T	11830Q	146	9742393750	ACHARYA INST. OF GRADUATE STUDIES SOLADEVANAHALLI, BANGALORE - 560 090.	7
67	KANTHA RAJ R	11887	225	9902687705	MAHARANI'S ARTS COLLEGE FOR WOMEN SESHADRI ROAD, BANGALORE - 560 009.	52
68	USHA BALAKRISNA	12276P	125	9900110321	SESHADRI PURAM FR. GR. COLLEGE, YALAHANKA NEW TOWN, BANGALORE - 560 064.	105
69	PALAKSHA	12526R	81	9483009115	VASAVI JNANA PEETA FR. GR. (EVENING) COLLEGE, NO.10, 2ND MAIN ROAD, VIJAYANAGAR, BANGALORE - 560 040	89
70	CHANDR ASEGERAN D	12564R	138	9901052846	EAST POINT COLLEGE OF HIGHER EDN. NO.147, BIDARAHALLI, VIRGONAGAR, POST, BANGALORE - 560 049	103
71	RANGASWAMIAH	12679G	245	9449028180	KENGERI FR. GR. COLLEGE KENGERI, BANGALORE - 560 060.	50
72	SRINIVASAMURTHY NAIDU	12689R	118	9686566135	GOVT. R.C.COLLEGE OF COMMERCE, RACE COURSE ROAD, BANGALORE -560 001	26
73	PRAKASH R	12777R	133	9880340195	MES INSTITUTE OF MANAGEMENT VIDYA VIHAR, 25/1, 17TH MAIN, II BLOCK, RAJAJI NAGAR, BANGALORE - 560 010.	57
74	PAUL AT	12975	64	9343492892	LALBAHADUR SHASTRI GOVT. FR. GR. COLLEGE, DINNUR MAIN ROAD, R.T. NAGAR, BANGALORE - 560 032.	4
75	AMARANATH R S	13133R	57	9242700043	REVA INST. FOR SCIENCE & MANAGEMENT STUDIES, KATTIGENAHALLI, YELAHANKA, BANGALORE - 560 064.	98
76	VENKATESH BR	13426 R	25	9880389154	COMMUNITY INSTITUTE OF COMMERCE & MANAGEMENT STUDIES, 2ND BLOCK, JAYANAGAR, BANGALORE - 560 011.	9
77	JAYAKUMAR K	13660Q	32	9886806080	SESHADRI PURAM EVENING DEGREE COLLEGE, SESHADRI PURAM, BANGALORE - 560 020.	73
78	RATHNAKUMARA	13743K	65	9482016263	C.B. BHANDARI JAIN COLLEGE, 84, K.R. ROAD, SHANKARAPURAM, BANGALORE - 560 004	91
79	SREENIVA SAMURTHY YS	13738 R	29	9986212114	ICST, NO.165, 13TH MAIN, VASANTH NAGAR, BANGALORE - 560 052	ICST
80	SAIKUMAR B	14313P	58	9742493202	ST.ANNES FIRST GRADE COLLEGE FOR WOMEN, ULSOOR, BANGALORE - 560 008.	37
81	RAVINDRA K	14426Q	101	9740653569	BASAVESHWARA COLLEGE OF ARTS, SC. & COMMERCE, 2ND BLOCK, RAJAJINAGAR, BANGALORE - 560 010	10
82	SURESH BABU JA	14440-G	8	9620950718	HASANATH FR. GR. COLLEGE 8/3, BHAIRESHWARA LAYOUT, HENNUR BANDE, KALYANA NAGAR POST, BANGALORE - 560 043.	38
83	JOSEPH GABRIEL	14516R	47	9916914492	H.K.B.K. FIRST GRADE COLLEGE, 46/1, DAVI'S ROAD, ST. THOMAS TOWN POST, BANGALORE - 560 084	41
84	KOUJALGI M B	14535R	52	9481201965	S.J.R. COLLEGE FOR WOMEN, 1/D, 59TH "C" CROSS, W 'M' BLOCK RAJAJINAGAR, BANGALORE - 560 010	

85	LAKSHMANA H	14604 R	63	9964249523	AL-AMEEN COLLEGE OF ARTS, SC. & COMMERCE, HOSUR ROAD, NEAR LALBAGH MAIN GATE, BANGALORE - 560 027.	
86	CHRISTY DAYAL RAJ	14835 Q	160	23631693	BALDWIN METHODIST COLLEGE NO. 14, HOSUR ROAD, RICHMOND TOWN, BANGALORE - 560 025.	
87	YUVARA K	14864 Q	87	93423943	R.B.A.N.M.S. FR. GR. COLLEGE NO.12, ANNASWAMY MUDALIER ROAD, BANGALORE - 560 042.	
88	HRUDAYARAJU	14920P	34	9742068415	RAJAJINAGAR FIRST GRADE COLLEGE OF COMERCE, KTSV SANGHA, RAJAJINAGAR, BANGALORE - 560 010	
89	PREMA UDHAYACHANDRA	15009P	193	9036156522	GOVT. FR. GR. COLLEGE KRISHNARAJAPURAM, BANGALORE - 560 036.	
90	VISHWANATHA B	15060-Q	127	2610026	COLLEGE OF FINE ARTS, KARNATAKA CHITRAKALA PARISHATH ART COMPLEX, KUMARAKRUPA ROAD, BANGALORE - 560 001.	
91	LAKSHMANA U	15324R	39	9480292600	INDIAN ACADEMY DEGREE COLLEGE 458/23, HENNUR ROAD, KALYAN NAGAR (POST) BANGALORE - 560 043.	42
92	GOPALRAJU P	15363Q	198	9481889140	BRINDAVAN COLLEGE (NATIONAL FR. GR. COLLEGE) BHOOPSANDRA 2ND CROSS, RMV EXTN., 2ND STAGE, BANGALORE - 560 094	62
93	MOHAN R	16157 R	167	9844301428	NEW HORIZON FR. GR. COLLEGE, SY.NO.41, KADUBISANAHALLI ON OUTER RING ROAD, NEAR MARATHAHALLI, BANGALORE - 560 038.	22
94	CHANDRABABU S	16644R	100	9449063026	GOVT. ARTS COLLEGE, DR. AMBEDKAR VEEDHI BANGALORE - 560 001	23
95	BALASURAMANIAN A	17057R	108	9449060110	GOVT. SCIENCE COLLEGE, NIRUPATHUNGA ROAD, BANGALORE - 560 001.	25
96	CHIKKAVENKATESHAPPA	17423 R	21	28503937	RC COLLEGE	ICST
97	RAJANNA R	1743 R	249	9945335631	SITADEVI RATHANCHAND NAHAR, ADHARSHA COLLEGE, NO.75, 5TH MAIN CHAMARAJPET NEAR TR MILL, BANGALORE - 560 018.	75
98	RAGHUNADANA MH	18667-Q	185	28604141	APS EVENING COLLEGE, NR COLONY, BANGALORE 560019.	1
99	LINGARAJU B	18699 H	203	9035801781	SRI BHAGAWAN MAHAVEER JAIN COLLEGE NO. 34, 1ST CROSS, JC ROAD, BANGALORE - 560 002	76
100	GANGOJI RAO DS	19032	82	9591958444	ICST, NO.165, 13TH MAIN, VASANTH NAGAR, BANGALORE - 560 052	ICST
101	SRIDHAR N	19756	113	9449800417	KRUPANIDHI DEGREE COLLEGE, NO.12, CHIKKABELLANDUR, CARMELARAM POST, BANGALORE - 560 0365	71
102	SOMASHEKAR SJ	19768	2	9449940103	EAST WEST COLLEGE OF MANAGEMENT, NO. 63, BEL LAY OUT, VISHWANEEDA POST, OFF. MAGADI ROAD, BANGALORE - 560 091.	24A
103	S.K.JAGAN NATHA	14568	66	9844644509/ Substitute for Lokamha Sl. No.3	SIVANANDA SHARMA MEMORIAL RASTRIYA VIDAYALAYA(SSMRV) 26TH MAIN 36T-CROSS, 4TH BLOCK, JAYANAGAR, B LORE-11	74
104	JYOTHIVEL			9449074994		
105	GANESH			9480588780		

Ex-ITI Employees

SL.NO.	NAME	INDIANCST-ID NO.	CONTACT NO.	NAME OF THE COLLEGE (POSTED AS OBSERVER)
1	SREENATH CHAVAN	320	9945263089	PES COLLEGE OF EDUCATION BSK 3RD STAGE, HOSAKERAHALLI BANGALORE
2	T N PRABHAKARA	336	3535495036	R. V TEACHERS COLLEGE, JAYANAGAR, BANGALORE
3	S NAGARAJA	325	9448175733	VIVEKANANDA COLLEGE OF EDUCATION, RAJAJINAGAR 2ND STAGE, BANGALORE
4	SHIVALINGU	344	9342006929	J SS INSTITUTE OF EDUCATION, JAYANAGAR
5	CHNEE GOWDA	327	9008299972	DR.AMBEDKAR COLLEGE OF EDUCATION, MAHALAKSHMIPURAM, BANGALORE
6	SHADASHIVAPPA H S	277	9901062306	BES COLLEGE OF EDUCATION JAYANAGAR, BANGALORE
7	EASHWARAIH G S	319	9900904828	MES TEACHERS COLLEGE, 2ND BLOCK, RAJAJINAGAR, BANGALORE
8	L R RAO	322	9480588779	SANJAY GANDHI COLLEGE OF EDUCATION, CHOKKANAHALLI, BANGALORE
9	PURANIK U C	342	9341006924	SHUSHRUTI COLLEGE OF EDUCATION PEENYA 2ND STAGE, BANGALORE
10	SHATHYA NARAYA RAO H N	310	9448761206	RC COLLEGE POSTED FOR EVLUATION
11	M D JAYASIMHA	276	9449053907	R V INSTITUTE OF MGT FOR EVLUATION
12	LAL JACOB	279	25367651	RC COLLEGE EVALUATION AND SCANNING
13	S V BASAVA RAJU	298	65582934	SARVAJNA COLLEGE OF EDUCATION, VIJAYANAGAR BANGALORE
14	A N SHAILESH KUMAR	274	9845485319	SRI VENKATESHAPPA COLLEGE OF EDUCATION, CHIKKABALLAPUR
15	SYED AHMED	275	9663588901	NETAJI COLLEGE OF EDUCATION, BSK, 3RD STAGE, BANGALORE
16	M BHOJA RAJ	268	9449493613	M H B.ED COLLEGE, RAMANAGAR
17	KRISHNAN N	282	9449039224	GOVTMENT FIRST GRADE COLLEGE, NO.5, 3RD MAIN 7TH CROSS, RPC LAYOUT, VIJAYANAGAR, HIMPI NAGAR, BANGALORE -40
18	NAGARAJA RAO	350	9901491777	OXFORD COLLEGE

No	Stake Holder supporting Project Sanjeevani	Roles and Responsibilities
1	Bangalore University Hon'ble VC & Officers Vice Chancellor Dr N. Prabhu Dev Prof Ranganath (Registrar) Prof Krishnan (Registrar Evaluation) Prof Talwar Prof Subramanian Dy Registrar Evaluation (Mr Anthony Devaraj) Dr Rajesh Mrs Leelavathi (BU Legal Cell Head) Finance Officer Mr Wazir Ahmed, Mr Razvi Special Officer Mr Jamal Special Officer Mr Subba Rao Special officer Mr Siddaraju (Revaluation) Special Officer (Dr Nade Gowda) LLB Mrs Sujata (IT Head and Team) Mr Murali Mr Venkatesh (Confidential Section) BED Custodian SJRC Custodian Home science custodian RV Institute Custodian RC college custodian GAS college custodian Al-Ameen custodian Maharanis College custodian Correspondence Director Mr Akki (Admin) / Mr Ambarish (Admin) Mr Chandrashekar (Admin) / Mr Narasimha (Admin) / Mr Narayan Gowda (Admin) Mr Thimmapa (Admin) / Mr Nanjappa (Admin) Mr Srinivas (Asst to Prof Siddaraju) Mr Nagesh (PS to Registrar Evalation) Mr Kantaraju (Finance Dept. Superintendent) Mrs Saraswathi (DFO)	- Domain Knowledge - approvals by committee, - End User of the services rendered by vendors, - Work Orders, - Sanctions order/letters, - Co-ordination with Indian CST, - Co-ordination with Custodians, - Co-ordination with vendors, - Co-ordination with students and parents, Acceptance of DDs, - Cross Checking of DD collection statement provided by Indian CST, - Internal co-ordination with BU Finance Department, - Guidelines and instructions to custodians for safe custody of the scripts during handing over and collecting back the original scripts which was provided to the scanning Vendor contractor.
2	Karnataka State Police Housing Corporation Ltd (KSPHC Ltd) http://www.ksphc.org	For E-Tendering Services for Bangalore University for various services under Project Sanjeevani. Bill Submitted by KSPHC directly to BU.
3	Independent Quality Audit (IQC) processes. http://www.iqcglobal.com	Independent Auditing of the existing and post examination reforms process. Audit Reports submitted. Bills submitted Directly by IQC to BU.
4	ITI Ltd http://www.italtd-india.com	Scanning and Digitisation. ITI Ltd has also helped Indian CST by securely hosting the Portal from their Data Centre as the existing infrastructure at Bangalore University was outdated and delay from BU to procure the Servers as per Indian CST's recommendations. Also provided observers to monitor the examination processes at Examination centres. Observers posted for examination centres situated inside Bangalore Urban. Work Order given by BU to ITI Ltd. Also ITI scanning manpower services were utilised by respective custodians for speeding up the process for tracking the scripts per list generated and provided by Indian CST. ITI Ltd has submitted its bill towards manpower utilisation services to Bangalore University.

5	G4S Services http://www.g4s.com	Provided observers for examination centre located in Rural Bangalore and neighbouring Districts. Work Order Provided by Bangalore University to G4S. Bill submitted directly by G4S to BU.
6	Namasthe Media Pvt. Ltd. (Namasthe Media) http://www.namasthemedia.com Indiatech.tv (www.indiatech.tv)	Under Government Employment Information Service, Namasthe Media has introduced Registration to BU Students. Under this Service, BU students get information about employment opportunities relevant to their qualification once in 10 days. Namasthe Media also contributed its professional service for the Audit Report GUI Design, Print and supplied 100 copies to Bangalore University following emergency request from Registrar Evaluation and Dy. Registrar Evaluation. Source File of Audit Report was handed over to Bangalore University by Indian CST and BU handed over the source file to Namasthe Media for Printing. Designing Bill was submitted directly by Namasthe Media to BU.
7	Business Intelligence Technologies http://www.bitanz.com	Development of Scan Digital Records Application (SDR) Application. Customisation to suit the BU schema. Bill Submitted directly by BIT to BU
8	Lila Technologies http://www.lilatechnologies.com	SDR Data Validation and quality Checking
9	ICON Print Services http://www.iconcopiercare.co.in	Photocopy Services and Distribution of hard copies to students', College Case workers and BU special officers and providing inputs to ICST on the list of students who's scripts were not provided by the custodians. Bill which was submitted directly by ICON to BU was not accepted and was directed by Registrar Evaluation to route through Indian CST. Accordingly Indian CST per data provided by ITI / Custodian and ICON have cross checked the details of the students who had received the photocopies and have submitted the bill to BU. Sanction order was given by Special officer, and Registrar Evaluation for payment.
10	Computer Rental (Quality computers / Mr Shankar)	Workstation supplier for IT Infrastructure in Cyber Centre. Bill raised by Vendor on Indian CST. Indian CST has raised a consolidated bill month wise to BU for the photocopy and revaluation application processing services rendered for BU
11	Server Rental (Prime Assets Source) http://www.primeassetsource.com	Server and Storage supplier Infrastructure
12	UPS Rental (Taniesh Technologies) http://www.tanieshtechnologies.com	UPS back up for all the PMO workstations and servers including printers
13	BSNL (Broad Band Broad Band service provider) http://www.bangaloretelecom.com	Indian CST would like to inform that none of the private service providers were able to give the Broadband connectivity from Bangalore Central college campus. BSNL had provided the Broadband services for Indian CST Project Management Office.
14	Indian CST Project Management Office (PMO) Infrastructure Details and GPMS application	25 Work Stations, Servers, Wireless LAN, UPS, Storage, Broad Band Access, Printer, Chairs, Tables, Portable Fans, Accessories. Central Help Line processes were established for all the stakeholders to address their grievance and access to BU GPMS to register their comments was provided.

Bangalore University

INITIATES EXAM REFORMS

PROJECT SANJEEVANI

Phase-1, REPORT On
System Audit Of Examination Process

From May - June 2010



Bangalore University along with Indian Center For Social Transformation (Indian CST), has launched an Examination Modernization Process called Project Sanjeevani aimed to promote transparency and to enhance the overall credibility of examination results.



Indian Centre For Social Transformation Associate 2 Transform & Excel

Indian Centre for



Social Transformation
A Public Charitable Trust (Regd.)

Registered Office : # 403,
"Usha Kiran Apartments", 25, Haudin Road,
Bengaluru - 560 042, Telefax : +91 80 25376415

Log on to this web site for registration

www.indiancst.in

www.bub.ernet.in

Chapter-4

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Recommendations for Improvements

Examination Manual Changes

Sl. No.	Issues	Observations	Recommendations
1	Criteria for Selection of Exam centers.	Currently not defined in examination manual. It is observed in many examination centers that resources are not adequate, to cater to the student population requirements.	Criteria should be defined in the manual. Previous reports of Malpractices also to be considered as one of the selection criteria. Availability of infrastructure also to be considered. Colleges who were not in the original list and last minute inclusion to be scrutinized further.
2	Tagging of colleges to examination center.	No defined criteria in the examination manual. Observed that in some Examination centers up to nine colleges were tagged putting strain on the resources of the center which resulted in insufficient resources to handle the exams in an effective manner.	Criteria to be defined in Exam manual.
3	Selection of Invigilators.	Criteria for selection of Invigilators are not defined clearly in manual. Invigilators are mainly from same college and at times from the same subject for which exam is being held.	Criteria to be defined in exam manual. For example at least 50% to be contributed by tagged colleges. It should be ensured that invigilators are not from the same subject for which exam is being conducted. A judicious mix is recommended.
4	Identification of Invigilators.	Identification of Invigilators/ Exam related staff is not clearly mentioned in manual. Presently Invigilators on duty are not provided with identification badges.	Criteria to be clearly defined in Manual. Invigilators/Exam related staff should be provided with proper identification.
5	Answer Scripts Accountability.	Accountability for Absentee answer scripts not clearly defined in Manual. Answer scripts of Absentee student are not recorded immediately after the 30Mins bell.	Criteria to be defined in manual. Invigilators diary, OMR sheets and Form A should be tallied with the inventory of the answer scripts and reported by the centers on completion of the exam to central control. They should be sent in digital format on the same day to the University.

6	Answer Scripts Serial No.	Criteria for allotment of serial numbers in Answer scripts not defined in Examination Manual. Duplication of the Serial Nos. observed in quite a few cases. Observed that distribution of answer scripts serial wise is not possible as scripts received from BU are not in serial order.	Criteria to be defined in the exam manual. Criteria should ensure that duplication of the serial numbers are avoided.
7	Use of Calculator.	There was no Clarity on use of Scientific Calculators at many of the centers.	BU should issue guidelines to colleges on use of Scientific calculator.



Distribution of Question Papers

Sl. No.	Issues	Observations	Recommendations
1	Verification of ID of persons collecting Question papers.	Checking ID of person not carried out. Only letter from the Respective colleges were being checked.	BU should ensure that ID of personnel coming to collect the question papers are verified before handing over the packets to them.
2	Distribution of Question Papers for Outstation colleges.	Papers sent 3days in advance to government colleges in each district and handed over on day of exam to respective exam centers. Not clear how security is ensured for storage of question papers.	BU should consider tying up with logistics agency for delivery of question papers to outstation exam centers just in time.
3	Question Paper delivery on time.	It was observed in one case that question paper reached exam center late resulting in delayed start of exam by 15minutes.	BU should consider tying up with logistics agency for delivery of question papers to all exam centers within time.

Concerns of Examination Process and Recommendation

Sl. No.	Issues	Observations	Recommendations
1	Criteria for Selection of Exam centers .	Currently not defined clearly in examination manual. It is observed in many examination centers that resources are not adequate, to cater to the student population requirements.	Criteria should be defined in the manual. Previous reports of Malpractices also to be considered as one of the selection criteria. Availability of infra-structure also to be considered. Colleges who were not in the original list and last minute inclusion to be scrutinized further.
2	Tagging of colleges to examination center.	No defined criteria in the examination manual. Observed that in some Examination centers upto nine colleges were tagged putting strain on the resources of the center which resulted in insufficient resources to handle the exams in an effective manner.	Criteria to be defined in Exam manual.
3	Selection of Invigilators.	Criteria for selection of Invigilators are not defined clearly in manual. Invigilators are mainly from same college and at times from the same subject for which exam is being held.	

4	Identification of Invigilators.	Identification of Invigilators/ Exam related staff is not clearly mentioned in manual. Presently Invigilators on duty are not provided with identification badges.	Criteria to be defined in exam manual. For example at least 50% to be contributed by tagged colleges. It should be ensured that invigilators are not from the same subject for which exam is being conducted. A judicious mix is recommended. Criteria to be clearly defined in Manual. Invigilators/Exam related staff should be provided with proper identification.
5	Answer Scripts Accountability.	Accountability for Absentee answer scripts not clearly defined in Manual. Answer scripts of Absentee student are not recorded immediately after the 30Mins bell.	Criteria to be defined in manual. Invigilators diary, OMR sheets and Form A should be tallied daily with the inventory of the answer scripts and reported by the centers on completion of the exam to central control. They should be sent in digital format on the same day to BU.
6	Answer Scripts Serial No.	Criteria for allotment of serial numbers in Answer scripts not defined in Examination Manual. Duplication of the Serial Nos. observed in quite a few cases. Observed that distribution of answer scripts serial wise is not possible as scripts received from BU are not in serial order.	Criteria to be defined in the exam manual. Criteria should ensure that duplication of the serial numbers are avoided.
7	OMR sheet recording.	Serial No's of Answer scripts against the Registration. No's not legible in few cases. Registration No's of some students found missing in OMR sheets.	Invigilators to ensure that Answer script numbers are recorded legibly against Registration Numbers. Use of blank OMR should be discouraged and to be minimized. If a blank OMR is to be used, the OSD could be contacted on phone and a serial number obtained and then used. This will help in the count of inventory of OMR being used.
8	List of students in OMR sheet.	Some students registration numbers not found in OMR sheets.	Any manual entry of Registration Numbers in OMR Sheet to be authenticated by Chief. Suptd.
9	Question Paper Shortage.	It was observed in many cases that Question Paper were short supplied resulting in inconvenience to students.	To be avoided.
10	Malpractice.	Few cases of students copying were observed.	More vigilant checking of Students before entering exam hall.
11	Late coming.	Few cases of students coming after 30mins bell were observed.	

12	Use of Calculator.	There was no Clarity on use of Scientific Calculators at many of the centers.	BU should issue guidelines to colleges on use of Scientific calculator.
13	Examination center atmosphere.	External disturbances like Construction work and movement of students of other courses were observed during the period of examination.	BU should verify that construction work etc is not being carried out when selecting exam centers. Classrooms for examination to be selected in a manner which will not allow students of other classes to come near the exam room.
14	Assistance to Visual impaired students .	System for Prior Permission from BU not clear.	System for permission to be defined in Exam manual .
15	Permission to students to use toilet during exams.	2 students allowed to use toilet without accompanying supervisors.	Guidelines to be given by BU.
16	Crossing of Blank Answer sheets.	Most students found not crossing out the blank answer sheets in booklet.	Invigilators should ensure that students will cross out all the blank sheets while receiving the answer scripts.

Delivery of Answer Scripts to Evaluation Centers

Sl. No.	Issues	Observations	Recommendations
1	Wrong / Late delivery of answer scripts to evaluation center.	It was observed that Answer script packets were delivered to wrong valuation centers and redelivered to correct center one month later.	Valuation center receiving staff to ensure Correct answer scripts is delivered to their centers. In case of wrong delivery staff to ensure packet is delivered to correct valuation center next day.
2	Delivery of Answer scripts on the same day to evaluation centers.	This was not followed in one case even though it was local delivery. For Outstation centers it was observed that Answer scripts were delivered after 3-4 days by postal department.	BU to tie up with logistic agency for collection of answer scripts from examination centers.
3	Delivery of answer scripts through Authorized representative.	In one case Answer scripts observed to be delivered through 3 wheeler driver.	BU to tie up with logistic agency for collection of answer scripts from examination centers.

Valuation Process

Sl. No.	Issues	Observations	Recommendations
1	Identification of Valuers.	Observed that presently Valuers do not have any Identification badges.	BU should issue guidelines for providing Identification badges to valuers.
2	Attendance Recording.	Observed that Valuers do not sign attendance on arrival . It was also observed that some Valuers were arriving late and leaving early.	Introduce smart card system / Biometric system for recording of attendance. Attendance should be recorded morning and evening.
3	Entry of Outsiders.	It was observed that Non valuers were found entering and leaving the valuation rooms without restrictions.	BU should employ security personnel at valuation centers to restrict entry of outsiders.
4	Use of Cell Phones.	Valuers were found using cell phones inside the valuation room.	BU should issue guidelines on use of cell phones at valuation centers.
5	Completion of Valuation.	a) It was observed that valuers who could not complete the valuation of each packet were returning Incomplete scripts and taking the same for valuation next day. b) It was also observed that some valuers were completing valuation within a very short time. c) In one case it was observed that answer script taken for valuation were returned after 3 days.	Currently no guidelines in Exam manual for the same. BU should issue guidelines for incomplete valuation of each packet by valuator. Reviewer should ensure that valuers devote adequate for valuating each answer script. Reviewer should ensure that answer scripts are returned back on the same day.
6	Shading of Answer Scripts Top sheet.	It was observed that some of the evaluators were not shading the Top sheet properly as per Marks Awarded.	Reviewer should ensure that all Top sheets of Answer scripts are shaded correctly before returning back to custodian.
7	Shading of OMR Sheets.	It was observed that some of the evaluators were not shading the OMR sheet properly as per Marks Awarded. In some cases it was found without shading.	Reviewer should ensure that OMR sheets are shaded as per the marks allotted in the answer scripts. Any discrepancy found repeatedly need to be handled strictly.
8	Shading of OMR Sheets.	It was observed that some of the evaluators were not shading the OMR sheet properly as per Marks Awarded. In some cases it was found without shading.	Reviewer should ensure that OMR sheets are shaded as per the marks allotted in the answer scripts. Any discrepancy found repeatedly need to be handled strictly.
9	Tallying of Answer scripts and OMR sheets.	In many cases it was observed that number of Answer scripts in each packet were not matching with numbers listed in OMR sheets.	BU should continue with current practice of 2-3 persons verifying as required. Scanning processes of Answer sheets and OMR sheets should be done at this stage.

10	Valuation of Answer scripts belonging to valuator's own college.	Few cases observed where answer scripts belonging to valuator's own college were issued and after detection were taken back.	Custodian should ensure answer scripts of a college are not given to evaluator of the same college.
11	Incorrect recoding of Marks on OMR Sheet.	In one case it was observed that marks awarded had been interchanged with respect to registration numbers on OMR sheet.	BU Personnel posted should ensure such mistakes are identified and corrected.
12	Control of Blank OMR Sheets.	Blank OMR Sheets are used without any control for correction of preprinted OMR Sheets.	BU should introduce different colors blank OMR sheets for easy identification. Use of Blank OMR sheets should be authorized properly. Original OMR sheet to be attached with blank OMR sheets.
13	Condition of Answer script Packets.	Observed that Brown Paper packets used for packing Answer scripts are of very bad quality. Most of them found to be torn when opened for valuation. In number of cases torn packets have to be replaced with new ones and possibility of wrong numbering of these packets.	BU should consider use of Laminated Brown paper self sealing covers . BU should also consider use of self sealing Polythene covers.
14	Storage of Answer Scripts.	Observed that storage facility for answer scripts is very poor. Currently stored on the floor, possibility of damage due to rain water.	BU should issue guidelines for proper storage of answer scripts at valuation centers. BU should also consider having Centralized Valuation center at its own Campus.
15	Delivery of OMR sheets to BU .	OMR sheets are not delivered to BU on day to day basis, found to be sent after 2-3 days .	BU should ensure the current process of collection of OMR Sheets is strictly followed.



OMR Sheet Scanning

Sl. No.	Issues	Observations	Recommendations
1	OMR sheets taken out of packet and checked for damages.	Scanner rejects any sheet which is damaged, folded, corners bent etc.	Slightly thicker gauge of paper should be used for OMR sheets.
2	Defective sheets not recorded and warning sign displays on screen.	Sheets are checked for defects before re feeding them. Markings on left margin are darkened, bent corners straightened and any other damage set right before being re-fed.	Exam centers and valuation centers should be instructed to handle OMR sheets carefully and avoid any damage to them.
3	Scanned sheets are checked on second screen and data in scanned sheets are digitized and stored to data base.	Errors / mistakes could occur during digitizing process. Marks could get interchanged if alignment of registration numbers and shading are not correct.	Recording in OMR sheets should be legible and done properly to avoid mistakes during digitizing.
4	During digitizing if any data is not recorded properly, the same is manually entered / corrected.	Marks can be also changed later by persons having system password. Current system does not prevent changes to recorded data.	Software should ensure that data cannot be changed once digitized and saved.
5	For hand written OMR sheet, scanned image has to be manually digitized and stored in data base.	Almost 30% to 40% of OMR sheets scanned are hand written. It is not clear why they are hand written since pre printed OMR sheets are sent to all exam centers. Hand written OMR sheets should be exceptions and not allowed routinely.	Hand written OMR sheets should be accompanied by original pre printed OMR sheets in case they have been changed. There should be documented system for making any changes. Record of changes made should be maintained. If any wrong entries are made system should indicate the same at end of the day. If any duplicate entry is made system should alert the staff making the entry.
6	After scanning is complete for one subject, the data is handed over to computer center for uploading into university computer system.	Data digitized is not cross checked or verified by supervisor. If any errors have occurred it may not come to notice of anybody till student applies for revaluation. Scanned image of OMR sheets are not given to BU computer center. Many a times subject codes do not match for which copy of OMR sheet is needed to make correction. Computer center has to request for a copy of relevant OMR sheet to complete the corrections. Data given is merged.	Digitized data should be randomly audited by BU rep. to ensure correctness of data. OMR scanning cell should also give copy of scanned image to computer center so that corrections can be completed faster. Colleges should send all internal assessment marks before start of theory exams. This will ensure students are not inconvenienced at time of result announcement.

		with internal assessment marks sent directly by colleges and practical marks where applicable before marks sheet is finalized. If internal assessment marks are not sent by colleges then results cannot be finalized. If internal marks are not received by result announcement date it is shown as zero and candidate failed.	
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Scanning and Digitizing of Face Sheets

Sl. No.	Issues	Observations	Recommendations
1	Vendor for Scanning	ITI is the vendor. ICON, Technology partner to ITI is the sub contractor.	If sub contractor is to be used the vendor should indicate the same in tender documents.
2	Quantity of scanners that is to be installed at each location.	Minimum 4 at each location. Should complete 20,000 pages per day. Presently scanning completed in 5 locations. Average copies achieved 12000 / 13000. As of date 2 machines in each location are being used for photo copying of answer scripts as scanning work complete in 5 out of 7 locations.	P.O / contract should clearly define the scope of work and include all technical details needed to carry out the operation. It should also mention the requirement of Quality plan and it's approval before start of operations.
3	Type of scanner that is to be installed.	Flat bed rolling scanner. Machine capacity 40 sheets per minute in automatic feeding. Capacity may have been over estimated for manual feeding.	Capacity of equipment should be in relation to the type of scanning operations to be done. Eg. Manual feeding.
4	Other supporting equipment needed to operate the scanner.	Electrical wiring, UPS, Batteries etc. As site survey was done in hurry, requirements of electrical wiring etc. was not done properly. Further the locations seen during survey were not the same where the scanners were finally installed.	Adequate pre planning to be done for each site to ensure there is no delay in start of operations
5	Sheets to be scanned per day at each location.	20,000 sheets per day. Actually achieved 10,000 to 12,000 sheets per day.	All site visit reports should be documented to avoid any disputes at a later date.
6	Number of personnel that are to be deployed per scanner.	2 persons per scanner + 1 helper overall + 1 QC per center. Observed in some locations same person doing the scanning and saving the file on computer there by slowing down the work. Adequate manpower was not provided at all locations.	Number of personnel including supervisors to be clearly mentioned in contract document
7	Deployment of supervisor at each location	1 Supervisor. Not clear if it is per location or overall for all locations. 2 systems personnel to attend to technical issues. As independent supervisors were not available at all locations scanning personnel were not clear what to do when they encountered problems	Number of personnel including supervisors to be clearly mentioned in contract document.

8	Competency requirements for persons operating the scanning equipment	No specific competency required. Data entry knowledge is required. Minimum competency requirements should be specified..	Contract should clearly indicate the requirement. Details of personnel shall be maintained considering confidentiality of information handled.
9	Training of operators.	Most personnel have been working with similar equipment.	Proper training should be provided before start of scanning operations
10	Validation of software.	Software not validated before use. Mainly due to urgency of the job.	All software should be validated before use.
11	Detection of errors by software.	No.	Wherever possible software should assist in detecting mistakes during data entry.
12	Quality checks during the scanning process.	No quality checks done. Validation check done for data entered after second level of indexing.	Quality plan should be prepared before start of operations. Plan should indicate what checks are to be carried out at different stages of the scanning operations.
13	Daily reports for the scanning work carried out at each center.	No formal reports generated.	Contract should clearly indicate clearly what reports need to be generated.
14	Scanned data storage.	In individual work stations hard drive (500GB). Lot of virus infection due to shifting of data between hard discs. No anti virus in work stations.	Adequate virus protection should be provided before start of operations. Further all pen drives and other portable data storage devices should be checked for virus before use.
15	Data storage back up facility.	1 TB external hard drive. Disaster recovery plan not put in place	Disaster recovery should be part of quality plan. Remote location data back up should be provided to ensure safety of data recorded.
16	Changes documentation	No documented in a formal way.	All changes should be documented and properly authorized.

Digitizing Operations

Sl. No.	Issues	Observations	Recommendations
1	Vendor for digitizing operations.	I T I main contractor. ICON, Technology partner to I T I is the sub contractor.	If sub contractor is to be used the tenderer should indicate the same in tender documents.
2	Equipment for digitizing operations.	Work stations / terminals - 17 Nos. Initially these were to be installed at valuation centers. Shifted to Central college due to co ordination problems.	P.O / contract should clearly define the scope of work and include all technical details needed to carry out the operation. It should also mention the requirement of Quality plan and it's approval before start of operations.
3	Sheets to be digitized per day.	25,000 per day.	To be clearly mentioned in contract.
4	Developing the software for digitizing operations.	BIT (INDIANCST Partner)	All documentation relating to software development to be maintained.
5	Software validation.	Not done before use.	All software should be validated before use to eliminate any problems during use.
6	Personnel are involved in the digitizing operations	11	Number of personnel to be used to be clearly indicated in contract
7	Competency of personnel carrying out digitizing operations.	Knowledge of data entry.	Personnel to be trained before start of operations.
8	Daily report generation.	No formal report generated.	Daily report of work carried out to be generated.
9	Quality checks.	No specific checks implemented.	Quality plan should be prepared before start of operations.
10	Error detection by software.	Not provided.	Software should indicate mistakes during entry of data.
11	Random checking for correctness?	Not done	Quality Plan should indicate what quality checks are needed during the operations.
12	Digitized data validation with any other data(OMR sheet).	Currently no. OMR data not provided by BU till date.	BU to provide OMR data for comparison.
13	Storage of digitized data.	Hard disk on system.	Additional back up arrangements to be available in case of any problems with on board back up.
14	Back up storage facility.	One back up removable hard drive.	Disaster recovery and remote location data back up system should be provided.
15	Changes to software.	Yes. As per requirement.	All changes to be recorded.
16	Change of documentation.	No record maintained.	All changes made should be documented and properly authorized.

Revaluation Process

Sl. No.	Issues	Observations	Recommendations
1	Application for photocopy.	Application routed through respective principals. Principal signature and seal verified on application form. Observed confusion about the charge of Rs. 10 for the application form.	Clear guidelines to be sent to all colleges and also put up BU website.
2	Consolidation of applications course wise.		Before sending application INDIAN CST should cross check with face sheet to see if marks list marks and face sheet marks match. In case they do not match then the marks list should be first corrected.
3	Request for photo copy.	Information displayed indicates time required for getting photocopy is around 20 days.	Time for photocopy should be brought down to around 10 days
4	Tracing of answer scripts at valuation center.	At times it has not been possible to trace the scripts as they are not stored properly after valuation.	Guidelines to be issued for storage of answer scripts to all valuation centers.
5	Photocopy of script.	Handed over to student for verification through respective colleges.	
6	Application for revaluation or challenge valuation.	Information displayed indicates that time allowed to apply for revaluation is 30 days. If photocopy is received after 20 days the student may not be left with adequate time to get answer script checked and apply for revaluation.	This timing should be reviewed.
7	Revaluation / Challenge valuation of answer script.	Information displayed indicates maximum time needed for revaluation is about 75 days.	This need's to be reduced as by the time the complete process is over time needed would be 105 days. The student may not have adequate time to apply for the next semester exam.

Software Development Process

Sl. No.	Issues	Observations	Recommendations
1	Detailed specifications of software.	Not received from BU or Indian CST. Prepared on own basis based on details available.	Complete scope of work must be defined and agreed upon before start of work.
2	Changes in software specification.	Changes to specification done. These changes have been recorded. By BIT.	Configuration management system should be used for recording changes
3	Documentation details.	Full documentation not maintained	Detailed documentation to be maintained as this may have to be given to client at end of project.
4	Responsibility for the development work.	Mr.Udepto of BIT.	Responsibility / authority should be defined for each member of the project team.
5	List of team members.	Not maintained. Different persons have worked at different times.	List of team members to be maintained.
6	Project plan for software development.	No formal plan prepared.	Project plan should be prepared and signed off before start of work.
7	Quality checks	No formal checks carried out.	Quality assurance plan should be prepared before start of all activities.
8	Record of checks.	No.	Records of checks should be maintained.
9	Software validation.	Validation done based on sample data. Further validation done as per need.	Validation plan to be prepared at start of project.
10	Maintaining record of validation carried out.	Formal Record of validation not maintained. Soft copy available at BIT of validation check done.	Record to be maintained as per Quality Plan document.
11	Record of changes to software.	Record available at BIT.	Record to be maintained as per Quality Plan document.
12	Changes after implementation.	Yes.	Record to be maintained as per Quality Plan document.
13	Instruction manual.	Not available. Only instruction sheet prepared for training the data entry operators	Detailed user instruction manual should be prepared for all software developed.
14	Training to users of software.	1 day training given to operators	Proper training to be given to users of the software.

15	Record of the training.	Not available.	Records of training to be maintained
16	Problems faced by users.	Yes. Addressed through changes to software.	All problems faced to be documented.
17	Record / log of problems.	No record available.	Record of action taken to be maintained.
18	User acceptance for software.	Not met completely. Some more improvements needed.	Acceptance from user to be obtained for software developed
19	Backup of software.	Backup of all versions taken. Kept at BIT.	Disaster management / recovery plan should be prepared and implemented. One set of back up to be kept at remote location.
20	Data back up.	On server and on system.	One set of back up to be kept at remote location.
21	Security of data.	Password system used.	Standard practices to be followed as per software industry norms.



Bringing reforms in conduct of Examination in BU

Indian Centre for



Social Transformation
A Public Charitable Trust (Regd.)



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Stakeholder involvement



Total Transparency and
Auditability



Improvement is Stages

Conduct of
Exams

- Confidentiality and purity to be maintained
- Adherence to time schedule and budget

Valuation
Process

- Impartiality and transparency
- Accuracy of evaluation within tolerance limits

Results
acceptance

- Reduce challenges evaluation % progressively
- Improvement in students capacities brought about

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Chapter-5

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Road Map For Future

BU will be embarking on a long and arduous journey to reform the current examination process. It may not be possible to introduce all the reforms at the same time.

BU should prioritize the requirements and carry out the reforms process over the next one to two years.

Reforms need to be introduced in the following areas.

- Examination wing
- Administration wing
- Admission wing
- Valuation wing
- Information Technology wing
- Colleges under BU

Detailed action plan should be drawn up for each area keeping in mind the recommendations made in chapter 4.

Action plans should be time bound and responsibilities of personnel to be fixed for each area to ensure achievement of the targets and goals set.

The future reformed exam system should induce confidence not only in the students but also the other stakeholders that the exams have been conducted in a fair manner and the students passing out of BU are capable and confident of meeting the challenges of the modern world.

Students and their parents should feel that considerable value addition has taken place during their period of study in BU and the new exam system is evaluating this value addition in a fair and just manner.

SCHEDULE I(B): Phase II requirements of MOU to be implemented for November - December Examination of BU

- Based on the experience of Phase I, Indian CST will identify quality parameters/metrics on the basis of which the processes implemented in relation to subsequent examinations may be gauged and a Metrics Management System may be put in place, to monitor efficacy of the improvements/processes implemented in the up-coming semesters.
- Based on the experiences and outcomes of Phase I, Indian CST will suggest further improvements and measures, and recommend process changes for each of the upcoming semester for UG/PG for the year 2010-2011. Each semester will be taken on as a new project and the proposals regarding additional measures to be implemented, the cost of additional improvements, the budgetary requirements in this regard and the requirements from outside vendors, will be submitted by Indian CST at that stage, for consideration by BU.
- Indian CST will prepare and make available a proposal for generation of marks card through a secure process, so as to validate the genuineness of the marks card issued to each student by BU from 2010 exams. The implementation of any such proposal will be dependent upon decisions to be taken by BU in this regard.



Official Meetings



A view of Bangalore University Central Campus



Dr N Prabhu Dev, Vice Chancellor, Bangalore University, chairing a meeting with University Officials & Indian CST management.



Shri R Sri Kumar, Chairman, Indian CST & Dr N Prabhu Dev, Vice Chancellor, Bangalore University, at an official meeting.



ICST team at the meeting.



Dr N Prabhu Dev, Vice Chancellor, Bangalore University, chairing a meeting with University Officials & Indian CST management.

Project Management Office, Project Sanjeevani



A view of PMO at Bangalore University Central Campus, Bengaluru.



Indian CST Chairman Shri R Sri Kumar & its founder trustee Shri JK Rao in conversation with PMO Team.



Shri Raja Seevan, Founder Trustee, Indian CST, at PMO, Bangalore University Central Campus.



Shri D Bhaskaran, Project Manager, Indian CST, at Project Management Office.



A view of Indian CST team at Project Management Office.



A view of Indian CST team at Project Management Office.

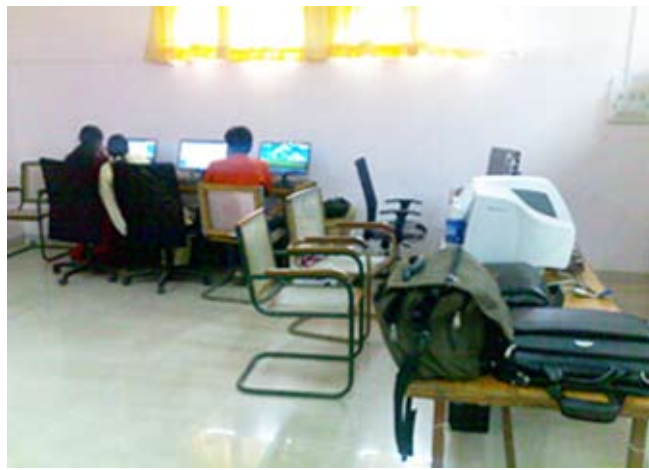


A view of Indian CST team at Project Management Office.



A view of Indian CST team at Project Management Office.





A view of Indian CST team at Project Management Office.



A view of Indian CST team at Project Management Office.



A view of photo copies.



Indian CST team at the process of photocopies.

BU Vice Chancellor's Official Visit to Project Management Office



Bangalore University Vice Chancellor Dr N Prabhu Dev and its being welcomed by Indian CST Team at PMO.



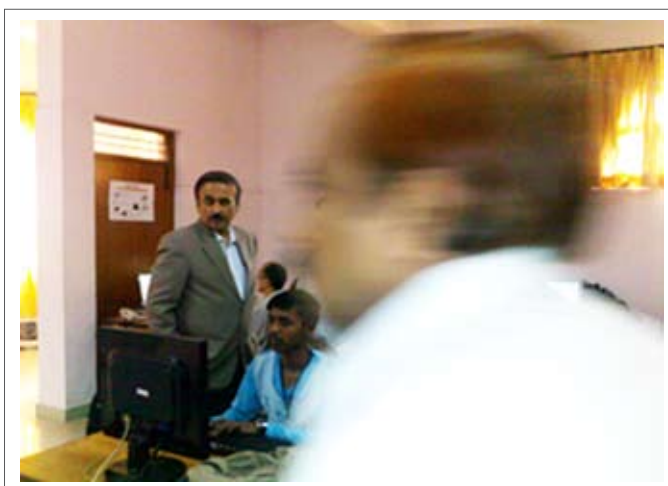
Bangalore University Officials inspecting operations at PMO.



Bangalore University Vice Chancellor Dr N Prabhu Dev and its officials being given a presentation by Shri Raja Seevan, founder trustee, Indian CST on the operations of PMO.



Bangalore University Vice Chancellor Dr N Prabhu Dev and its officials being given a presentation by Shri Raja Seevan, founder trustee, Indian CST on the operations of PMO.



Dr N Prabhu Dev, Vice Chancellor, Bangalore University at Project Management Office.



Dr N Prabhu Dev, Vice Chancellor, Bangalore University flanked by University Officials at PMO.



Bangalore University Initiates Exam Reforms

Bangalore University, along with the Indian Centre for social Transformation (Indian CST), has launched an Examination Modernization process called Project Sanjeevani aimed at promoting transparency and enhance the overall credibility of examination results.

See your May-June 2010 Semester Results - **Project Sanjeevani**.



IT enabled solution



Stakeholder Involvement



Total Transparency and Auditability



Improvement in stages

Bringing reforms in conduct of Examination in
Bangalore University

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Project Sanjeevani

PHASE-II Final Status and Project Closure Report 2011

Indian Centre for Social Transformation
A Public Charitable Trust

Indian Centre for Social Transformation

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Bangalore University



Initiates Exam Reforms
along with

Indian Centre for Social Transformation

The examination Processes Modernization Project called

“Project Sanjeevani”

is aimed at promoting transparency and enhance the overall
credibility of examination results.

Now Students can see their

May-June 2010 Semester Results along with
The Answer Script



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Foreword



I am extremely happy to place before you - ***Final Status and Project Closure Report*** - brought out in connection with ***Project Sanjeevani***, an examination modernization process initiated by Bangalore University along with Indian Centre for Social Transformation (Indian CST), aimed at promoting transparency and enhancing the overall credibility of examination results.

The Volume-I of the Project - ***Report on System Audit of Examination Process May-June 2010*** was published on September 7, 2010 by Bangalore University after its formal submission by Indian CST to the Syndicate Committee of Bangalore University headed by its Vice Chancellor Dr N Prabhu Dev.

The beginning of the year 2011 is very significant for the Bangalore University and its stakeholders. The University, rated India's Top 13 Academia, has crossed historic milestone in implementing the examination modernization process and gaining significant benefits from it. The Governor-Chancellor of the University has approved the Examination Ordinance Bill recommended by the University. With the approval of the Governor-Chancellor, the Examination Ordinance Bill becomes a law. Henceforth, the Bangalore University has to apply the technology-led process as mandatory for all its examinations.

Kudos to Bangalore University and its Vice Chancellor Dr N Prabhu Dev, in initiating reforms in examinations like never before, setting standards for others to emulate.

It is necessary for educational institutions to bring in transparency and accountability in the conduct of examinations. Use of best method for implementing reforms is therefore the need of hour. More and more emphasis needs to be laid in the use of technology for the reforms in examinations. Given this context, the examination modernization process in Bangalore University in the technology capital of the Country is significant indeed. Perhaps, Bangalore University has the distinction of being the first University in the country to initiative reforms in education that is approved by the Governor-Chancellor as law.

Efforts have been made to include in this project report details of processes and methods relevant to Project Sanjeevani. It was our endeavour to make this project report informative and useful. I hope it will be of useful to the stakeholders of Bangalore University. I thank one and all for making Project Sanjeevani a success and also a noteworthy.

I thank the Syndicate Committee of Bangalore University and members and management team of the University including Vice Chancellor, Registrar, Registrar (Evaluation), Special Officer, Financial Officer, Senior Officers and associate partners of Indian CST in co-operating with us in bringing out this ***Final Status and Project Closure Report***.

I do hope that in the year 2011 educational institutions across the country rely more and more on best methods and technology to bring in transparency and accountability in the conduct of examinations.


Raja Seevan
Founder Trustee

Bangalore-560 001
July 20, 2011

Indian Centre for Social Transformation

Clarification

The Indian Centre for Social Transformation (Indian CST) has come to know that some unscrupulous elements were advising students of Bangalore University that representative of all vendors, including scanning and digitization work were the employees of Indian CST.

The Indian CST clarifies that though a memorandum of understanding (MoU), signed between Bangalore University and Indian CST clearly defines our role and responsibility in Project Sanjeevani, the role and responsibility of Indian CST in the areas such as scanning and digitization work was only as observer to the processes of the scanning and digitization works.

The Indian CST further clarifies that the entire scanning and digitization work was outsourced by Bangalore University directly to vendors.

Indian CST is in possession of all relevant documents and communication in this regard which is made part of this report as Annexure I.

Founder Trustee
Indian Centre for Social Transformation
Bangalore



Message



Bangalore University is proud to collaborate with Indian Centre for Social Transformation (Indian CST), a Public Charitable Trust, to undertake an *Examination Process Modernization*, known as Project Sanjeevani for Under-Graduate Courses during May-June 2010.

The primary motto of the project is to undertake a study to identify major loopholes in the current examination system and also to conceptualize, design, develop, and deploy solutions for reforms in the examination system, so as to address the loopholes identified and to improve the efficiency and the security of the examination and evaluation process.

There is a need for bringing increased transparency and accountability in the education system by modernizing the age-old inheritance in order to enhance efficiency and productivity in the quality of education. Bangalore University is always in the forefront for undertaking such innovative initiatives that will enhance the value system of the quality of education and strengthen the administrative coordination.

Bangalore University - located on a sprawling 1100 acres of Jnana Bharathi campus and another huge City Campus - is one of the largest universities of Asia and also one of the oldest Universities of India. This University is a part of the Association of Indian Universities (AIU) and has the University Grants Commission (UGC) recognition. The degrees, offered by the University, are recognized world over. It is accredited by NAAC and has got the Five Star Status since 2001. Even otherwise, the Bangalore University is noted as one of the leading Universities of the Country. The alumni of this University include several great personalities like Nobel Laureate Sir C V Raman.

The Bangalore University (1964) was the third University to be established in Karnataka followed by the Mysore University (1916) and the Karnataka University - Dharwad (1949). Though this University was originally intended to be a federal university, it eventually emerged as an affiliating University because of the Karnataka State Universities Ordinance of 1975.

The Project Sanjeevani is very significant for Bangalore University as well as for the education system in India. I do hope that reputed institutions and universities across the country reply more and more on scientific methods in the use of technology for exhibiting a high degree of professional competence.

Prof. N. PRABHU DEV
Vice Chancellor
Bangalore University

Executive Summary

The Final Status and Project Closure Report-2011 of Project Sanjeevani gives the findings of a study carried out to identify the weaknesses in the current examination system and suggest improvements to strengthen the examination system and reduce the malpractices observed in the system.

Chapter-1 highlights the details of all the new processes introduced as a result of the study carried out on the examination process. It also gives the benefits accrued by the introduction of these new processes.

Chapter-2 gives the details of the web-based application developed for Bangalore University Legal Cell for monitoring students' grievances and complaints. It also gives the computer screen shots of the above application and the details of the customised web portal developed for the examination section of Bangalore University.

Chapter-3 gives details of the activities that were planned and completed for the November-December examination. The targets detailed in the memorandum of understanding (MOU) and achievements against these targets are also enumerated in this Chapter.

Chapter-4 gives detailed analysis of Data that was captured for the May-June 2010 examination. It also gives a statistical analysis of some of the important data captured.

Chapter-5 is a brief conclusion to the Phase-2 report and the future action Bangalore University should plan to carry the reforms process forward.



Chapter-1

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New processes and systems introduced by Indian CST for May-June Exam 2010 and benefits

Audit of Exam System

This was introduced for the first time and was carried out at selected locations to verify the implementation of the examination manual. Discrepancies noticed were recorded in checklists and brought to the notice of Bangalore University vide report submitted in November 2010.

Benefit

This audit/study have greatly benefited Bangalore University (BU) in identifying the deficiencies in the system and work out an action plan to rectify the same. It will also help in revising the examination manual and update the same as per current practices.

Deployment of Observers at Exam centers and Evaluation centers

Independent observers were sent to all the exam and valuation centers to support and oversee the exam process. These observers studied the whole process as per checklist provided to them and recorded any deficiencies observed. A total of 123 observers were deployed during the last examination.

Benefit

The reports of these observers have helped BU in identifying problems faced at exam and valuation centers and also identify malpractices at these centers. This will help BU to weed out centers that do not follow the guidelines given in the exam manual.

Scanning of Face sheets

Scanning of all face sheets of answer scripts were carried out at the valuation centers so that the same could be made available to students on demand. All scanned sheets were digitized into a common data base for easy access and analysis.

Along with face sheets, Invigilators diary and attendance sheets were also scanned and digitized.

Benefit

This has helped BU in building up a data base of the exam process and also to pick out discrepancies by comparing data of attendance sheets, invigilators diary & answer booklets.

Web Portal Development

As part of Project Sanjeevani, Indian CST has developed a software application, which operates through a portal developed on ETAMINE a framework built using PHP, AJAX, MySQL and other Open Source Software tools, to provide a Web based environment to manage the affairs of the University, and make it easy for the students to access study material, examination details, results and other online forms. The application aims to provide a seamless and transparent environment that eliminates irregularities and corruptions in the process of examination. The application caters to the needs of the students, by providing them easy access to information that is vital to them, like examination and timetable details, previous year question papers and other study materials, apart from these the students can apply for Re-evaluation, Photocopy, admission and also register for examinations online sitting at their homes, through this portal envisioned by Project Sanjeevani.

Through this portal a record is maintained of the examination details, like online Inventory of the examination stationery provided to each exam center, a log of students who registered for the exams and number of students who attended the exams along with the answer scripts issued to them by maintaining an online copy of the Invigilator Diary of each exam center for the exams held across courses and semesters.

Using the above information available at hand, Data from scanned OMR Sheets provided by the University, and the Data obtained by scanning and Digitizing the Answer Sheets through SDR, a set validation checks is imposed on these data to indentify erroneous and discrepant results, by running different algorithms to realize these validations on the above data, thus reducing the scope for malpractices and removing negative agencies from interfering with the process of conducting of examination, and results declaration.



The GPMS instance for Bangalore University provides a centralized role based access and information to the University officials to monitor and validate, the examination process, apart from the examination the portal also provides information to the relevant University authorities, about the Admissions, Fees Receipts and number of Students registering for examinations, revaluation or other such essential details.

Thus, the GPMS Bangalore University portal accentuates the efforts put in by the University, Indian CST and the hardwork of lakhs meritorious and sincere students and lecturers across various faculties of the University are not wasted, by keeping a trace and record of the Data entering and leaving the system, and regulating the functioning of various internal and external agencies of the University operating in tandem to conduct flawless examination process that upholds the interests of merit students.

Benefit

Bangalore University will benefit greatly from this portal as it can disseminate information quickly and also avoid crowding at its campus in Central College. The portal will also maintain record of all activities relating to exam process and help in tracking the inventory of exam related material.

Validation of OMR Sheets

Students had reported a number of discrepancies in OMR marks and marks shown in marks sheet. This was noticed when students applied for revaluation. By validating the marks on face sheet with that of OMR sheet it was possible to highlight the differences and make necessary corrections before the results were announced.

Benefit

Bangalore University (BU) would benefit by lesser number of students applying for revaluation, more accurate results announcement and higher level of student satisfaction.

Complaint handling system

A web-based complaint handling system has been developed to record and address the problems faced and complaints by various stake holders of BU. Complaints can be registered online and BU can inform the complainant of the action taken through this system. Details of complaints logged are given in the report submitted to BU.

Benefit

By using this system BU can analyse the various types of complaints received and prioritize the action to be taken to resolve them and also prevent them from occurring again.

Receipt of application for revaluation

All application received for re-evaluation were recorded in the computerized system along with details of fee paid, Demand Draft (DD) number, etc.

Benefit

This has helped BU in tracking the number of applications received course wise, subject for which re-evaluation applied for, etc. A detailed statement was prepared on day-to-day basis there by facilitating BU to have a clear picture of the financials involved.

Computerization

Computerization of some of the processes have helped BU in creating a data base of all current students and these are available online for users. A data base of 18 lakh entries has been created covering detailed profile of all students who have joined this year.

Benefit

This will help BU to detect impersonation during exams and also monitor the students progress over the duration of the course. The computerization has also helped BU in implementing an E-Tendering system for selecting vendors for various supplies for the examination process. This will bring in more transparency into the whole system.

Expert manpower was provided by Indian CST to man the Project Management Office (PMO) set up at BU campus. PMO helped in data Integration, E-Tendering, Providing observers for examination centers, computerizing the legal cases pending with BU legal department, and streamlining operations of grievances cell.

Help desk

A help desk related to Government Employment Information Service was also set up at the PMO to help students obtain information about job opportunities in Central Government, State Governments, Public Sector Undertakings, and Banking and Financial Service Institutions. Employment application forms and notifications of the above said are available at the help desk for a nominal cost. This initiative has helped to bring in awareness among students looking for employment opportunities apart from examination reforms, transparent information and opportunities such as part-time projects.

HR upgradation

New technologies have been used along with introduction of new processes. This will need training of Bangalore University personnel, college personnel, students, etc., in the use of these new technologies. Indian CST will be assisting Bangalore University in carrying out this training by providing necessary training course material and faculty as required.

Bangalore University

INITIATES EXAM REFORMS

PROJECT SANJEEVANI

REPORT On
System Audit Of Examination Process

From May - June 2010



Bangalore University along with Indian Centre for Social Transformation (Indian CST) has launched an Examination Modernisation Process called **Project Sanjeevani** aimed at promoting transparency and

enhancing the overall credibility of examination results.



Indian Centre For Social Transformation Associate 2 Transform & Excel

Indian Centre for



Social Transformation
A Public Charitable Trust (Regd.)

Registered Office : # 403,
"Usha Kiran Apartments", 25, Haudin Road,
Bengaluru - 560 042, Telefax : +91 80 25376415

Log on to this web site for registration

www.indiancst.in

www.bub.ernet.in

Chapter-2

- Design development and deployment of customized Application for BU Legal Cell for monitoring Students Grievance/complaints 16
- BU-LEGAL 16-17
- Design development & deployment of customized Examination Portal for BU 18-34

Design development and deployment of customized Application for BU Legal Cell for monitoring Students' Grievance/complaints

BU-LEGAL

- ▶ BU Legal cell login page.



The login page features a blue header with the Bangalore University logo on the left and a large eye graphic on the right. The text "BANGALORE UNIVERSITY" is prominently displayed in the center, with the tagline "FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION" below it. A "Login" form is centered on the page, containing fields for "User Name" and "Password", a "Login" button, and links for "New User" and "Forgot Password". The footer of the login form states "Powered by Indian Centre for Social Transformation".

- ▶ BU Legal cell Home page.



The home page has a blue header with the Bangalore University logo on the left and the "SOCIAL TRANSFORMATION" logo on the right. Below the header, a "Welcome : adalatadmin" message is displayed on the left, and "Home :: Logout" is on the right. A navigation bar contains "Dashboard" and "Change Password" links. Below this is a table with five columns: "ADD", "VIEW", "REPETITIONS", "SUMMARY", and "Logout". The main content area is titled "WELCOME TO BANGALORE UNIVERSITY LEGAL CELL" and contains three instructions: "Click on the ADD Button above to Add Cases involving Bangalore University in Exam Adalat from year 2000-2010", "Click on the VIEW Button above to View/Print a Report of Cases involving Bangalore University in Exam Adalat from year 2000-2010", and "Click on the BOLD REGNO in the View Screen to Edit a particular Case involving Bangalore University in Exam Adalat from year 2000-2010".

- Gives a list of all the pending cases of Bangalore University in examination adalat from 2000-2010



INDIAN CENTRE FOR
SOCIAL TRANSFORMATION
A PUBLIC CHARITABLE TRUST (Regd.)

Welcome : adalatadmin

Home :: Logout

Dashboard
Change Password

ADD

VIEW

REPETITIONS

SUMMARY

Logout

PENDING CASES OF BU IN EXAMINATION ADALAT FROM 2000-2010

CLICK


to clear all filters

Click to


Print Current Records in the View

Delete

Select Records you want to delete from the View by Clicking on the Checkboxes and then Press delete

Sl No	Name	Register No	Course	Sem/Year of Exam	Subject	Year of Appearing	Category	College Name	Se Re
1	DEVARAJA N	04TMA01150	BA	3	ECO	JUNE-2008	NO RESULT	Y,E,R Govt First Grade College, Pavagada	
1	DEVARAJA N	04TMA01150	BA	3	ECO	JUNE-2008	NO RESULT	Y,E,R Govt First Grade College, Pavagada	
1	DEVARAJA N	04TMA01150	BA	3	ECO	JUNE-2008	NO RESULT	Y,E,R Govt First Grade College, Pavagada	
1	DEVARAJA N	04TMA01150	BA	3	ECO	JUNE-2008	NO RESULT	Y,E,R Govt First Grade College, Pavagada	
2	BHGYASHREE P N	903TBC0064	BCOM	1st Year	BUS.MATHS	NOV-2007	MARKS CARD	UNION CHRISTIAN COLLEGE	
2	BHGYASHREE P N	903TBC0064	BCOM	1st Year	BUS.MATHS	NOV-2007	MARKS CARD	UNION CHRISTIAN COLLEGE	
2						NOV-		UNION CHRISTIAN	

- ADD page allows the user to add a new case.

 BANGALORE UNIVERSITY FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION				GPMS WITH REMS	
Welcome : adalatadmin				Home :: Logout	
Dashboard Change Password					
ADD		VIEW		REPETITIONS	
NAME:					
REGNO:					
COURSE:					
SEM/YEAR:				---Select--- ▼	
				▼	
SUBJECT:					
YEAR OF APPEARING:					
CATEGORY:					
COLLEGE NAME:					
SECTION REMARKS:					
REMARKS:					
				Submit	

STUDENT CORNER

Exam Registration:

- ▶ This form is for the candidates to apply for the forthcoming exams.
- ▶ The student enters the register number and the corresponding details are retrieved from the database and the fields are automatically populated. The remaining fields are filled by the candidate, and a photo is uploaded.
- ▶ Using this template, a student can record all details of registration including the fees paid, and the details of the demand draft.

BANGALORE UNIVERSITY
FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

Home :: Log

st Corner ▾ College ▾ Examination ▾ University ▾ Results ▾ Others ▾

EXAMINATION REGISTRATION APPLICATION FORM

Registration No:* Student Name:

Father's Name: Mother's Name:

College Code: College:

Candidate Permanent Address:

Address Line I

Address Line II

City: Select One ▾ State: Select One ▾

Pin Code:

Course: Course Code:

Title of Dissertation/Project: Language of writing the Examination: Select One ▾

Examination Month/Year

Add Row Delete Row

Current Semester:* Select One ▾ Subject:

STUDENT FEES PAID DETAILS

Are you exempted from payment of Examination fees?* ☐ Yes ☐ No

If Yes, indicate Category / Group: ☐ SC ☐ ST ☐ OBC ☐ GH

Receipt No:* Receipt Date:* Amount paid:*

The above information provided is true to best of my knowledge.

Place:* Date:*

Mobile No: Email Id:

Candidate will be allowed to write the Examination provided he/she fulfills the regulation of the course.

Submit

Photocopy Application Form

This form can be used by the student to apply for photocopy of his/her answer script after the results are announced. The details of payment like the bank details demand draft amount and numbers, etc., can be entered.

BANGALORE UNIVERSITY
FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

Welcome : Student

Home :: Logout

Student Corner :: College :: Examination :: University :: Results :: Others ::

SCANNED COPY DOCUMENTS

PHOTOCOPY APPLICATION FORM

Application form for providing photocopy of Answer script

Read the instructions at the End of the page for more Information

Registration Number of the Candidate: *

Candidate Name: *

Name of the Course: *

Semester (Specify the Semester or Year of the Course): *

Examination held (Month & year): *

Name of the College: *

Enter E-Mailid & Mobileno

Student EmailId: *

Student Mobile No: *

Photocopy of the answer script required

Add Row Delete Row

Subject: *

Paper: *

Total amount of fee paid in the form of Demand Draft only in favour of Finance Officer, Bangalore University

Demand Draft 1

Amount (Rs): *

Name of the Bank: *

D.D.No: *

Branch: *

Date: *

Demand Draft 2

Amount (Rs): *

Name of the Bank: *

D.D.No: *

Branch: *

Date: *

Total Amount(Rs) *

Signature of the Candidate: *

Signature of the

Admission to Post Graduation:

- ▶ Candidates, who wish to apply for the post-graduation programme in BU, can use this form.
- ▶ The candidate needs to give personal details and various details pertaining to the educational background that are asked. Required documents, photo, etc., are also to be uploaded.
- ▶ After completion of the form, the candidate can take a print of the completed form for future reference and for submission to the University. As soon as the student submits the form, he is directed to the print page, where all his details are displayed.

Step 1: The candidate records his/her name and uploads a digital copy of his/her photograph. Enters details like courses applied for, fee payment details, etc.

BANGALORE UNIVERSITY
FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

Welcome : indiancst Home :: Logout

Student Corner ▾ College ▾ Examination ▾ University ▾ Results ▾ Others ▾

Application form for Admission to Post-Graduation Programmes

Post Graduation Application Form

Closely follow the Instructions manual while filling the form

Signature of the Candidate: *

Please read the Admission Information Brochure carefully before filling the form.
(CAUTION: Please furnish correct information. Furnishing of incorrect information would attract rejection of the application)
Please produce your original documents at the time of counseling for admission.

For Official use only

Application Number:

Receiving Official Signature: Verifying Official Signature:

Fee amount Rs. * Challan/DD * ☐ DD ☐ Challan DD/Challan No. * Date of issue *

1. Application for the courses:

a. ☐ b. ☐ c. ☐ d. ☐
e. ☐ f. ☐ g. ☐ h. ☐

Step 2: The candidate enters personal details relating to parent, guardians, correspondence, etc.

2. Name of applicant (as mentioned in the Class X marks card)

a. First Name: * b. Middle Name: * c. Last Name: *

Personal Details

3. Date of Birth:

4. Gender: Male ☐ Female ☐

5. Nationality: Indian ☐ Other ☐

6. You belong to Karnataka State: By domicile ☐ By birth ☐

7. Mother's Name: * Mother's Occupation:

8. Father's Name: * Father's Occupation:

9. Address for correspondence:

Address Line I: *

Address Line II: *

City: * State: *

Pin Code: *

Mobile Number: * Email: *

10. Category: 11. Annual income of parents Rs:

12. Supernumerary Category:

Step 3: Next, the candidate enters the qualifying exam details, including marks, languages studied and details of other Post-Graduation courses completed.

Under Graduation Details				
13.Name of the Degree:*		14.Year of Passing:*		
University: Bangalore ☐ Other ☐		Marks scored:*		
15.Total Max Marks:*				
16.Marks in degree:				
No Of Semesters:	--Select--			
Marks in degree:	Language Code	Specify	Max.Marks	Marks Scored
Language 1				
Language 2				
Language 3				
Language 4				
Language 5				
Language 6				
17.Studied at 10+2: ☐ Mathematics ☐ Biology				
18.Other examinations passed:				
1.	2.	3.	4.	
19.PG degree obtained:				
University: Bangalore ☐ Other ☐				
Max. Marks		Marks Scored:		
20.Sponsored or Deputed Candidates (Mention the organization):		21.Any other information candidates wishes to give:		
22.Total number of enclosures:				
☐ Std X Marks Card ☐ Domicile Karnataka Certificates				

Step 4: Here the candidate selects from the options, all the documents that he/she is going to enclose along with the application form.

Bangalore University - Windows Internet Explorer	
22.Total number of enclosures:	
☐ Std X Marks Card ☐ Caste Certificates ☐ Degree Marks Card ☐ Other Examination Certificates ☐ Sponsorship Certificates ☐ Rural ☐ Kannada Medium ☐ Defence ☐ NSS	☐ Domicile Karnataka Certificates ☐ Income Certificates ☐ 10+2 Marks Card ☐ Post Graduate Degree Marks card ☐ Sports ☐ Cultural ☐ NCC ☐ Physically Handicapped ☐ Kashmiri Migrant
I hereby declare that information mentioned in the application form is true to the best of my Knowledge.	
Place:*	Date:*
Signature of the Applicant:*	

Step 5:

This is the last part of the form and the declaration by the student.

☐ Kannada Medium	☐ NCC
☐ Defence	☐ Physically Handicapped
☐ NSS	☐ Kashmiri Migrant
I hereby declare that information mentioned in the application form is true to the best of my Knowledge.	
Place: *	Date: *
Signature of the Applicant: *	
submit Instructions	

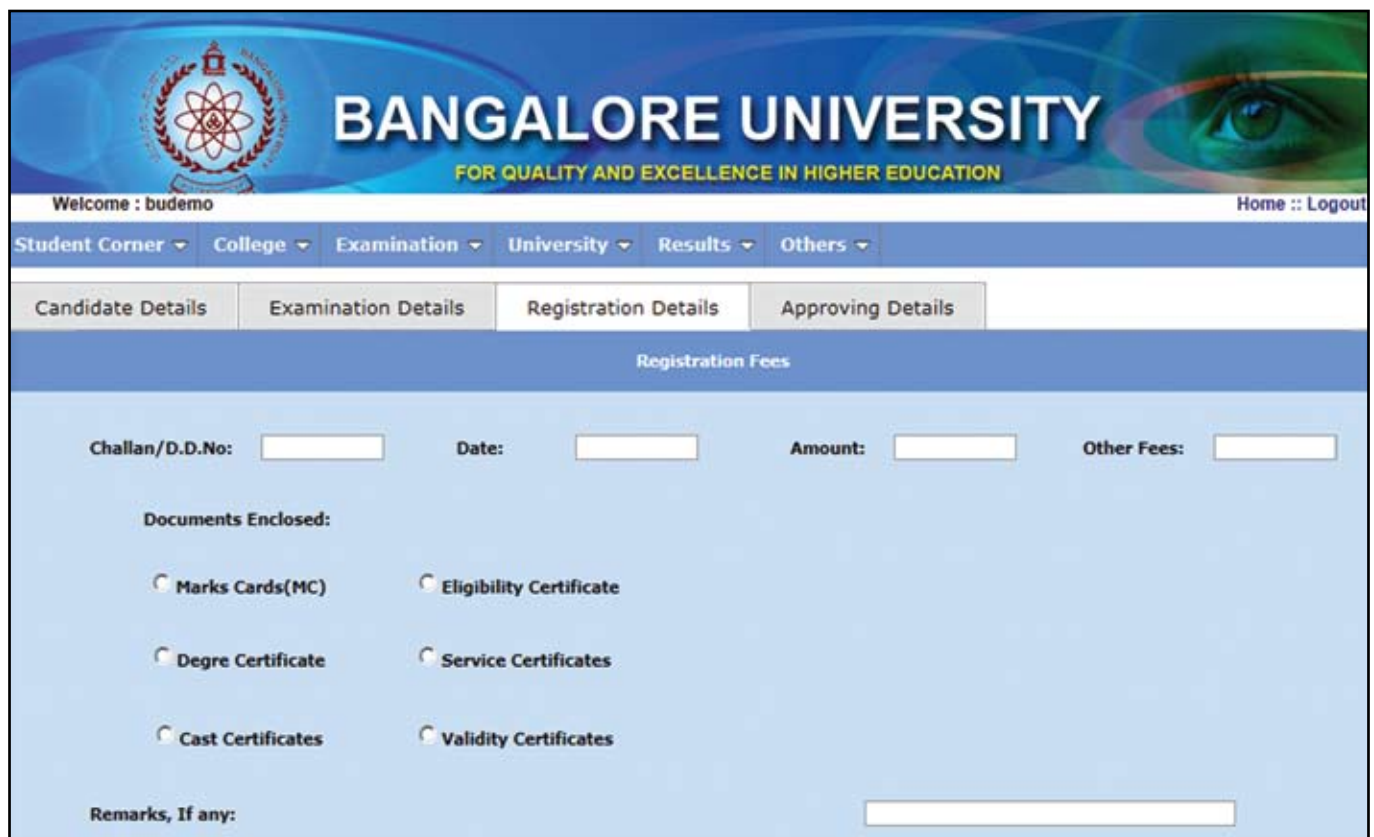
COLLEGE

Admission Approval Statement

When a candidate applies for any program in a college, the college forwards the details to the university. The details are entered in this form and sent to the University for Approval of admission of the candidate.

		BANGALORE UNIVERSITY			
Welcome : budemo		Home :: Logout			
Student Corner ▾	College ▾	Examination ▾	University ▾	Results ▾	Others ▾
Candidate Details	Examination Details	Registration Details	Approving Details		
ADMISSION APPROVAL STATEMENT					
Name of the Candidate:					
Nationality:		----Select----			
Category:		----Select----			

		BANGALORE UNIVERSITY			
Welcome : budemo		Home :: Logout			
Student Corner ▾	College ▾	Examination ▾	University ▾	Results ▾	Others ▾
Candidate Details	Examination Details	Registration Details	Approving Details		
Name of the qualifying Examination passed with					
Registration No:		Month and Year:		Percentage:	
No.of years of Schooling required to take the exam.indicated in Column no.6:					
Name of the University/Board from which qualified:					
Class to which admitted:					
Second Language offered at the qualifying examination:					
Second Language offered at the Course to which admitted:					
Optional Subjects offered at the qualifying examination:					
Optional Subjects offered at the Present Course:					
Date of Admission:					
Date of Birth:					



BANGALORE UNIVERSITY
FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

Welcome : budemo Home :: Logout

Student Corner ▾ College ▾ Examination ▾ University ▾ Results ▾ Others ▾

Candidate Details Examination Details **Registration Details** Approving Details

Registration Fees

Challan/D.D.No: Date: Amount: Other Fees:

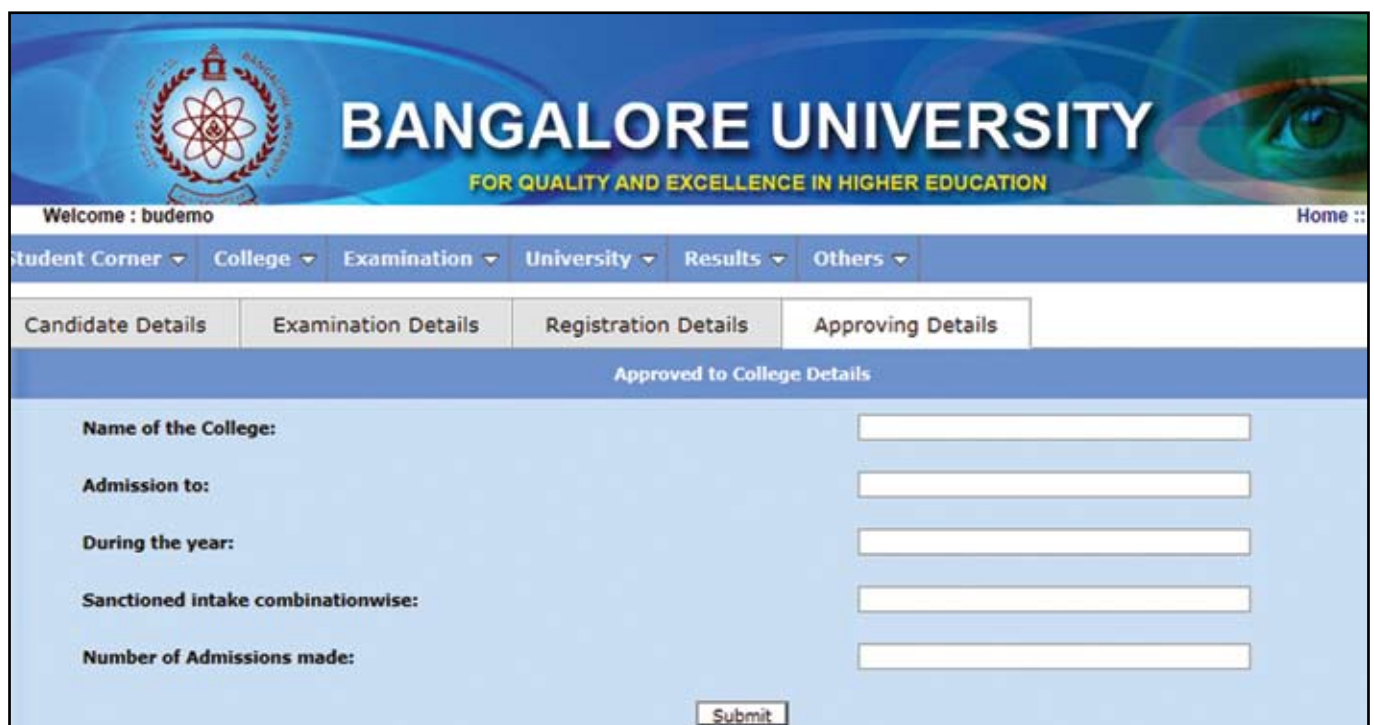
Documents Enclosed:

☐ Marks Cards(MC) ☐ Eligibility Certificate

☐ Degree Certificate ☐ Service Certificates

☐ Cast Certificates ☐ Validity Certificates

Remarks, If any:



BANGALORE UNIVERSITY
FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

Welcome : budemo Home ::

Student Corner ▾ College ▾ Examination ▾ University ▾ Results ▾ Others ▾

Candidate Details Examination Details **Registration Details** Approving Details

Approved to College Details

Name of the College:

Admission to:

During the year:

Sanctioned intake combinationwise:

Number of Admissions made:

Exam Fee Remittance

- ▶ In this template, the college/university enters Demand draft details of the students who have applied for exams, courses, etc. The total is calculated and submitted to the database which helps the university to verify the details.
- ▶ This module is a college, university module, used in order to keep track of the fees paid during registration for exams.

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Student Corner ▾ College ▾ Examination ▾ University ▾ Results ▾ Others ▾

Name of the College: ---Select---

Demand Draft

Amount(Rs): Name of the Bank: D.D.No: Branch: Date:

Calculate Total Amount(Rs) Calculate Total

Exam Fee Verification

- ▶ This is a college/university module, in which the correct and verified fee amounts are submitted. The fee amounts are entered along with the DD details and student details and if the total fee amounts received by the college and remitted to the university match, the amounts are submitted to the database.
- ▶ Only after calculating the total, the record can be entered into the database. And if the total sums do not match, or if the amount being submitted to the university is lesser than the amount received by the college, the record will not be accepted for saving.
- ▶ This module helps the university in maintaining authenticity in the amount received by colleges and any mismatch can be spotted and verified.

Welcome : budemo Home :: Logout

Student Corner ▾ College ▾ Examination ▾ University ▾ Results ▾ Others ▾

Name of the College: ---Select---

Student Name Register No. Semester: ---Select--- Subjects Fee Amount

Demand Draft

DD No.	DD Amount	Bank Name	Branch	Date

Get Total

Total Fee Amount(Rs)

Total DD Amount(Rs)

EXAMINATION

Inventory Details

- ▶ Maintains a log of exam stationery given to an exam centre, like 'A' forms, Answer Script booklets, etc. are recorded through this form.
- ▶ The details pertaining to the concerned exam center is updated and as when the stationery is issued to the college.

The screenshot shows the 'INVENTORY DETAILS' form on the Bangalore University website. The header includes the university logo, name, and tagline 'FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION'. Below the header is a navigation bar with links: Student Corner, College, Examination, University, Results, and Others. The form itself has a light blue background and contains the following fields:

- Exam Center: A dropdown menu with '---Select---'.
- No of 'A' Forms: A text input field.
- No Of Invigilatory Diary: A text input field.
- No Of OMR sheets: A text input field.
- Blank: A text input field.
- Barcoded: A text input field.
- Answer Booklets: A section with a table for recording booklets. The table has columns for Packetno, From, and To. There are 'Add Row' and 'Delete Row' buttons.
- Additional Booklets: A text input field.
- No Of Graph Sheets: A text input field.

Exam Centre Details

For a given exam date and time, the details of the exam centre are entered and recorded in this form, along with centre registration number course, subject, etc., by the exam centre.

The screenshot shows the 'EXAMINATION CENTER DETAILS' form on the Bangalore University website. The header is identical to the previous form. The form has a light blue background and contains the following fields:

- Examination center Details: A section with a table for recording center details. The table has columns for Examination Center, IndianCST Observer No, Colleges, Course, Date, Chief Superintendent, IndianCST Observer, Registration Number, Semester, and Subject.
- Inventory Details: A section with a table for recording inventory details. The table has columns for Answer Booklet No., No of Additional Booklets, No of Form A., No of Invigilatory Diary Forms, No of OMR Sheets, Blank, and Barcodes.

Question Paper Committee:

BANGALORE UNIVERSITY
FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

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QUESTION PAPER COMMITTEE

College and Course Details

College Name: Department:

Course Name	Semester	Paper Title	Paper Max Marks	IA Marks	Paper Min Marks	Duration

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Invigilator's Diary:

This form is used to record details of the superintendent presiding over an exam to record the student present for an exam, serial number of the answer booklet issued to a student along with the date, time and subject.

Student Corner ▾ College ▾ Examination ▾ University ▾ Results ▾ Others ▾

ROOM SUPERINTENDENT'S INVIGILATOR DAIRY

Invigilator Diary

Center: Examination:

Room No.	Date	Time	Reg. Number of candidates assigned	
			From	To

Name of Room Superintendent:

Number of Question Papers issued to Room Superintendent:

Number of Answer Books issued to Room Superintendent:

Serial Number of Answer Books issued to Room Superintendent:

Number of Additional Books issued to Room Superintendent:

Answer Book Details

Register No	Serial No of Answer books issued	Serial No of Additional books

Register Number of candidate who arrived late:

Register Number of candidate who left the hall temporarily:

Remarks regarding Malpractice, etc:

Register Number of Absentees:

Total number of candidates Answer books handed over to Chief Superintendent:

Serial Number of blank Answer books returned to Chief Superintendent:

Number of blank Additional Answer books returned to Chief Superintendents:

Date:

Chief Superintendent Name:

Answer Book Details

This template is the digitized record of the face sheet details of an answer booklet. The scanned copy of the face sheet is displayed on the left side, depending on the register number entered on the right hand side.



BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

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[r](#) [College](#) [Examination](#) [University](#) [Results](#) [Others](#)

SCANNED COPY DOCUMENTS



STUDENT ANSWER BOOK FACE SHEET

Enter Details

Face Sheet Details

Registration Number:

Packet No:

Answer Booklet Number:

No. Of Additional Booklets Used:

No. Of Graph Sheets used:

Title Of The Paper:

Total Marks:

Student Details

College:

Examination Centre:

Student:

Course:

Subject:

Paper Code:

Semester:

OMR Sheet Details

Theory:

OMR Sheet No:

Marks as on OMR Sheet:

Practical:

OMR Sheet No:

Marks as on OMR Sheet:

Project:

OMR Sheet No:

Marks as on OMR Sheet:

OMR Sheet data provided By University

Scanned Documents Tagged

File Attachment*

Browse...

Submit

Print

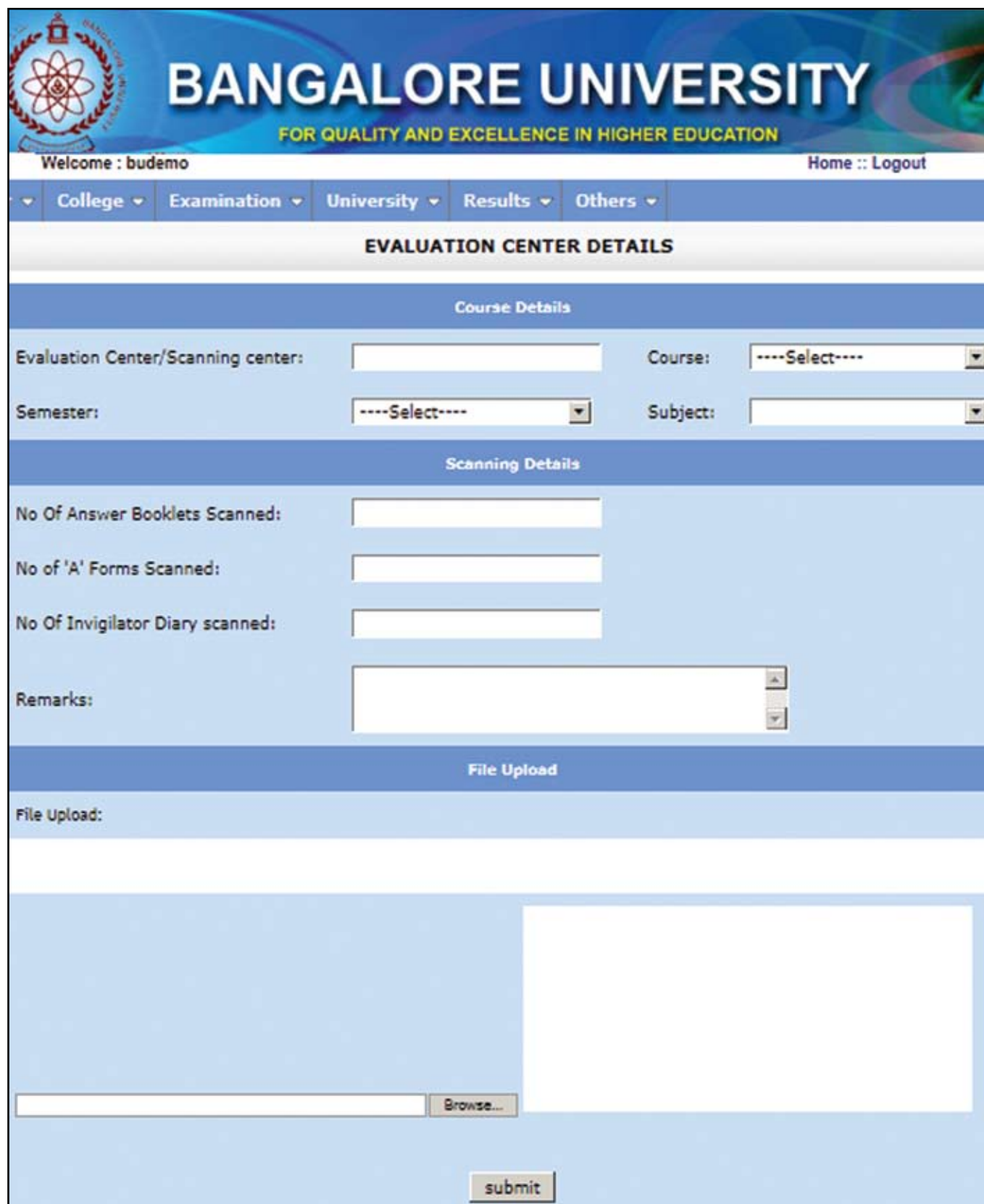
Project SANJEEVINI

ETAMINE

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Evaluation Centre

This template is used to record the details related to scanning of answer booklets, invigilator diaries, 'A' forms, etc.



The screenshot shows the Bangalore University website interface for the Evaluation Center Details form. The header features the university's logo and name, along with a navigation menu. The form is divided into three main sections: Course Details, Scanning Details, and File Upload. The Course Details section includes fields for Evaluation Center/Scanning center, Course, Semester, and Subject. The Scanning Details section includes fields for No Of Answer Booklets Scanned, No of 'A' Forms Scanned, No Of Invigilator Diary scanned, and Remarks. The File Upload section includes a File Upload label, a large text area, a file input field with a Browse... button, and a submit button.

BANGALORE UNIVERSITY
FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

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College Examination University Results Others

EVALUATION CENTER DETAILS

Course Details

Evaluation Center/Scanning center: Course:

Semester: Subject:

Scanning Details

No Of Answer Booklets Scanned:

No of 'A' Forms Scanned:

No Of Invigilator Diary scanned:

Remarks:

File Upload

File Upload:

Photocopy and Re-evaluation

This page lists all the details of revaluation and photocopy applications applied.

Student Corner	College	Examination	University	Results	Others
----------------	---------	-------------	------------	---------	--------

Photocopy and Revaluation Applications

Click to  Print Current Records in the View

Enter the Studentname/AppliedFor/college to search:

Page 1 of 3612 Total Records : 18057 Show Per page << < 1 Go > >> |

Sl.	Applied for	Student	Course & Subject	DD Details	Remarks
1	REVALUATION	Registration No: 07LRL07047 Name: MANICKAM.V College:RAJIV GHANDHI COLLEGE OF LAW	Course:LLB 3 Year Year/Sem-6 Sem Subject:ARBITRATION CONCILIATION AND ALTERNATIVE DISPUTES	DD No:113936 Bank :IOB DD Date: 9.9.10 Amount: 410	REMARKS:NONE Contact:0 Other Remarks:
2	REVALUATION	Registration No: 07LRL07047 Name: MANICKAM.V College:RAJIV GHANDHI COLLEGE OF LAW	Course:LLB 3 Year Year/Sem-6 Sem Subject:HUMAN RIGHTS	DD No:908013 Bank :VIJAYA BANK DD Date: 9.9.10 Amount: 410	REMARKS:NONE Contact:0 Other Remarks:
3	REVALUATION	Registration No: 07LRL07080 Name: KUVVI SAUSI REDDY College:RAJIV GHANDHI COLLEGE OF LAW	Course:LLB 3 Year Year/Sem-6 Sem Subject:ARBITRATION CONCILIATION AND ALTERNATIVE DISPUTES	DD No:600335 Bank :THE KARNATAKA BANK LTD DD Date: 9.9.10 Amount: 410	REMARKS:NONE Contact:0 Other Remarks:
4	REVALUATION	Registration No: 07LRL07041 Name: LEELAVATHI.G College:RAJIV GHANDHI COLLEGE OF LAW	Course:LLB 3 Year Year/Sem-6 Sem Subject:ARBITRATION CONCILIATION AND ALTERNATIVE DISPUTES	DD No:600334 Bank :THE KARNATAKA BANK LTD DD Date: 9.9.10	REMARKS:NONE Contact:0 Other Remarks:

UNIVERSITY

Scanned Particulars

This form is used for updating and monitoring SDR, OMR, Invigilator diary and form A data. On selecting the exam center name from the list, all the inventory details are displayed for the users reference, and form A, invigilator diary and number of scanned OMR and SDR reports for the center are to be entered and submitted.

EXAM DETAILS			
Course: ---Select---			
Exam Center: ---Select---			
Exam Date:		Results Date:	
Total No. of Scanned Data Reports:		No. of Scanned Data Reports Available:	
Total No. of OMR Data:		No. of OMR Data Available:	
Total No. of Invigilator Diary Records:		No. of Invigilator Diary Records Available:	
Total No. Form 'A' Data Records:		No. Form 'A' Data Records Available:	
Inventory:			
No. of 'A' forms issued to college:			
No Of Invigilatory Diary issued to college:			
No Of OMR sheets issued to college:			
No Of Blank OMR sheets issued to college:			
No Of Barcoded OMR sheets issued to college:			
No Of Graph sheets:			
No Of Additional Booklets:			
Additional Booklets numbered from: Additional Booklets numbered to:			

View Course Report

Gives the total number of OMR & SDR records for the selected course and semester, along with the count of missing OMR Records in SDR data and SDR records in OMR records.



BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

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Examination Result Report

Summary

Number of Records with SDR data but Missing OMR data: Number of Records with OMR data but Missing SDR data:41

Number of Records with Mismatch Data:

Report of Data Comparison with BU-OMR and SDR results of B.H.M 8 Semester

Click here to Print 

Records missing in SDR but present in **OMR** Records missing in OMR but present in **SDR**

Sl NO	Reg No	Subject Code	Subject	Component Name	OMR Marks	Face Sheet Marks	FaceSheet	Filter
1	06RWCD0102	CC18H5	BUSINESS LAW	THEORY-1	32	32	FaceSheet	Match
2	06RWCD0108	CC18H5	BUSINESS LAW	THEORY-1	61	61	FaceSheet	Match
3	06RWCD0109	CC18H5	BUSINESS LAW	THEORY-1	54	54	FaceSheet	Match
4	06RWCD0106	CC18H5	BUSINESS LAW	THEORY-1	51	51	FaceSheet	Match
5	06RWCD0106	CC18H5	BUSINESS LAW	THEORY-1	52	52	FaceSheet	Match
6	06RWCD0107	CC18H5	BUSINESS LAW	THEORY-1	61	61	FaceSheet	Match
7	06RWCD0102	CC18H5	BUSINESS LAW	THEORY-1	54	54	FaceSheet	Match
8	06RWCD0113	CC18H5	BUSINESS LAW	THEORY-1	39	39	FaceSheet	Match
9	06RWCD0114	CC18H5	BUSINESS LAW	THEORY-1	49	49	FaceSheet	Match
10	06RWCD0101	CC18H5	BUSINESS LAW	THEORY-1	34	34	FaceSheet	Match
11	06RWCD0102	CC18H5	BUSINESS LAW	THEORY-1	52	52	FaceSheet	Match
12	06RWCD0108	CC18H5	BUSINESS LAW	THEORY-1	61	61	FaceSheet	Match
13	06RWCD0103	CC18H5	BUSINESS LAW	THEORY-1	55	55	FaceSheet	Match
14	06RWCD0105	CC18H5	BUSINESS LAW	THEORY-1	53	53	FaceSheet	Match

Total number of Anomalous Records found 1

Sl NO	Reg No	Subject	Exam Date	OMR Marks	Face Sheet Marks	Serial No.	FileLocation
1	06RWCD0105	CC18H2	2010-05-13	71	71	999925	FaceSheet
2	06RWCD0105	CC18H2	2010-05-13	71	71	999925	FaceSheet
3	06SKCD0103	CC18H3	2010-05-13	52	52	1566617	FaceSheet
4	06SKCD0103	CC18H3	2010-05-13	52	52	1566617	FaceSheet
5	06SKCD0104	CC18H1	2010-05-13	44	44	1566367	FaceSheet
6	06SKCD0104	CC18H1	2010-05-13	44	40	999135	*
7	06SKCD0103	CC18H1	2010-05-13	32	32	1566370	FaceSheet
8	06SKCD0103	CC18H1	2010-05-13	32	32	1566370	FaceSheet
9	06SKCD0105	CC18H1	2010-05-13	44	44	1566371	FaceSheet
10	06SKCD0105	CC18H1	2010-05-13	44	44	1566371	FaceSheet
11	06SKCD0105	CC18H1	2010-05-13	45	45	1566372	FaceSheet
12	06SKCD0105	CC18H1	2010-05-13	45	45	1566372	FaceSheet

Financial Report

Gives the financial details of the selected entry in the list.



BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

Welcome : budemo
Home :: Logout

Student Corner ▾ College ▾ Examination ▾ University ▾ Results ▾ Others ▾

VIEW REPORT DETAILS

Select Application:

----Select----
----Select----
Affiliation Fees
Admission Fees
Examination Fees
Photocopy Application Fees
Re Evaluation Fees
Marks Card Correction Fees
Migration Certificate Fees
Professional Degree Certificate Fees

Sl.No	Reference No	Candidate Name/Register No	DD Details	Total Amount (Rs)
1	00000001	ABHILASH C L 07P883003	DD Details: 1000 30-06-2010 201 nulesser DD2 Details: 1001 24-06-2010 2000 vasantnagar	428

Project SANJEEVINI ETAMINE Brought to you by Indian Centre for Social Transform

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Student Corner :: College :: Examination :: University :: Results :: Others ::

VIEW REPORT DETAILS

Application: Photocopy Application

Sl.No	Reference No	Candidate Name Register No	College	Subject	DD Details	Total Amount(Rs)
1	00000001	ABHILASH C L 07P883003	THE INSTITUTE FOR MANPOWER PLANNING AND CAREER TRAINING	/ COMPUTER GRAPHICS	DD1 Details: 1000 30-06-2010 201 nulesser DD2 Details: 1001 24-06-2010 2000 vasanthnagar	428
2	00000002	ABHILASH C L 07P883003	THE INSTITUTE FOR MANPOWER PLANNING AND CAREER TRAINING	/ COMPUTER GRAPHICS	DD1 Details: 1000 30-06-2010 201 indiranagar DD2 Details: 1001 21-07-2010 2000 vasanthnagar	310
3	00000003	DOAN HONG NGOC 02VEC03003	MIRANDA INSTITUTE OF MANAGEMENT STUDIES.	/ BUSINESS FINANCE/ COST AND MANAGEMENT ACCOUNTING/ PRINCIPLES OF MARKETING	DD1 Details: 23123 17-08-2010 2312 12312 DD2 Details: 21312 17-08-2010 2312 23123	12444
4	00000004	NIDALINGADDA DUNDAPPA JAMADAR 06AQAZ1041	GOVT ARTS COLLEGE, BANGALORE 360 001	/ KANNADA	DD1 Details: 0 10-08-2010 123 789834 DD2 Details: 0 02-08-2010 454987 124364	0
5	00000005	SANDEEP KUMAR 07P883002	THE INSTITUTE FOR MANPOWER PLANNING AND CAREER TRAINING	/ E - COMMERCE & WEB DESIGNING/ DESIGN & ANALYSIS OF ALGORITHMS	DD1 Details: 46466 27-10-2010 201 test DD2 Details: 789797 27-10-2010 201 test	620

Sanjeevini

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RESULTS

Search Results

On selecting the course and entering the register no, displays the results of the student.



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Home :: LO

Student Corner ▾College ▾Examination ▾University ▾Results ▾Others ▾

View Student Results

Search:

Select Course: ▾Select▾

Enter Your Registration Number:

Get Results
Report

STATEMENT OF MARKS

Date: 14-06-2011

Degree: BACHELOR OF ARTS

Course: B A

Year/Sem: 1

Month & Year of Examination: 11/2009



DEEPAJI R

Sl No	Subject	Max Marks	Min Marks	Marks Obtained in Figures	Marks Obtained in Words	Remarks
1	OPTIONAL ENGLISH AB11S1 THEORY-1	90	33	48	Forty Six	PASS
2	OPTIONAL ENGLISH AB11S1 INTERNAL ASSESSMENT	10	0	10	Ten	PASS
3	HISTORY AH11S1 THEORY-1	90	33	81	Eighty One	PASS
4	HISTORY AH11S1 INTERNAL ASSESSMENT	10	0	10	Ten	PASS
5	JOURNALISM AD11S1 THEORY-1	90	33	63	Sixty Three	PASS
6	JOURNALISM AD11S1 INTERNAL ASSESSMENT	10	0	10	Ten	PASS
7	ENGLISH ENG1S1 INTERNAL ASSESSMENT	10	0	10	Ten	PASS
8	ENGLISH ENG1S1 THEORY-1	90	33	83	Eighty Three	PASS
9	KANNADA KAN1S1 INTERNAL ASSESSMENT	10	0	10	Ten	PASS
10	KANNADA KAN1S1 THEORY-1	90	33	33	Thirty Three	PASS

Grand Total (in words): 298/300
Two Hundred Ninety Eight

Note: (i) THE MINIMUM FOR A PASS IN EACH THEORY PAPER AND PRACTICALS IS 25% AND 40% AGGREGATE IN EACH SEMESTER INCLUDING INTERNAL ASSESSMENT.

DEEPAJI R
Signature of the Candidate

XXX
Signature of the Principal/Chairperson

-Sd-
Registrar(Evaluation)

Click here to Print a Computer Generated Statement of Marks

**Disclaimer: This is a computer generated statement of marks, self signed original from your College Principal.

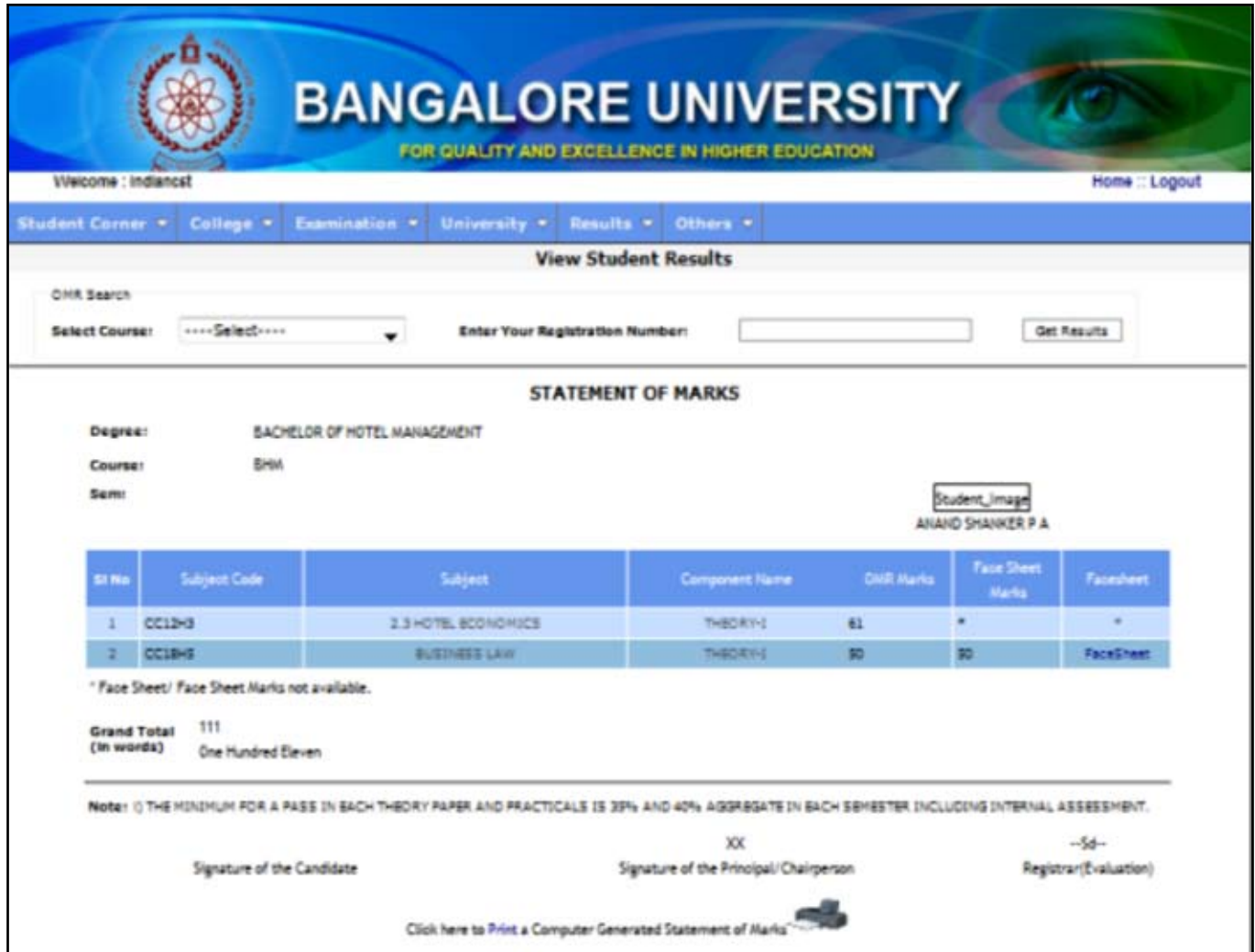
© SANJEEVANI

BYAMINE

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OMR Result

On selecting the course and entering the register no, displays the OMR, Re-evaluation and face sheet marks of the student.



The screenshot shows the Bangalore University website with the 'View Student Results' section. The user is logged in as 'indiancst'. The 'OMR Search' section has a 'Select Course' dropdown set to '----Select----' and an 'Enter Your Registration Number' field. The 'STATEMENT OF MARKS' section displays the following details:

Degree: BACHELOR OF HOTEL MANAGEMENT
Course: BHM
Sem: [blank]

Student Image: ANAND SHANKER P A

Sl No	Subject Code	Subject	Component Name	OMR Marks	Face Sheet Marks	FaceSheet
1	CC12H3	2.3 HOTEL ECONOMICS	THEORY-I	61	*	*
2	CC18H5	BUSINESS LAW	THEORY-I	50	50	FaceSheet

* Face Sheet/ Face Sheet Marks not available.

Grand Total: 111
(In words): One Hundred Eleven

Note: (i) THE MINIMUM FOR A PASS IN EACH THEORY PAPER AND PRACTICALS IS 35% AND 40% AGGREGATE IN EACH SEMESTER INCLUDING INTERNAL ASSESSMENT.

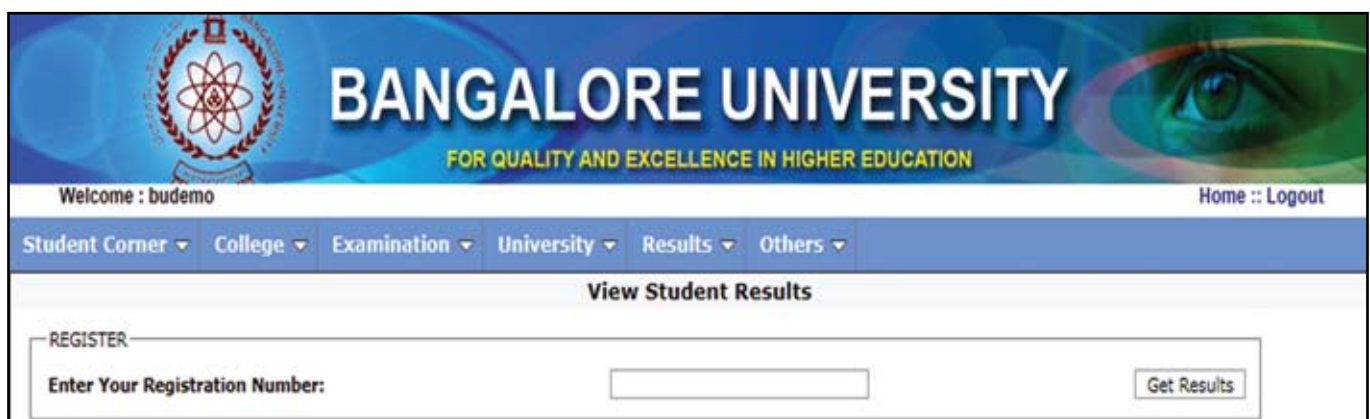
Signature of the Candidate: [blank]
Signature of the Principal/Chairperson: XX
Registrar(Evaluation): --Sd--

Click here to [Print a Computer Generated Statement of Marks](#)

OTHERS

STUDENT-LOGIN

Displays the student's academic details.



The screenshot shows the Bangalore University website with the 'View Student Results' section. The user is logged in as 'budemo'. The 'REGISTER' section has an 'Enter Your Registration Number' field and a 'Get Results' button.

Chapter-3

- Activities planned and completed for Nov-Dec Exam - Phase II 36-40
- Targets and achievements as per MOU 41-42

Activities planned and completed for November–December Exam–Phase II

Based on the experience and outcome of phase-I, further changes and improvements in the exam process were planned for Phase-II. Implementation of improvements recommended was to be studied before suggesting any further changes.

Indian CST personnel were however not permitted to monitor the exam process for November-December exam 2010 and therefore the current status of the recommendations is not ascertainable.

Further we were not permitted to audit those processes that could not be taken up in May-June 2010 exam.

Indian CST Auditors were not permitted to supervise the processes of re-evaluation and challenge evaluation of May-June-2010 examinations.

Indian CST auditors monitored and recorded the various process of collections, reconciliation of Applications along with DDs, statement and handing over the DDs to Registrar (Evaluation) by Indian CST as part of the additional services which was requested by BU.

IT Server and Storage Hardware requested for hosting of the May-June and November-December Results Data. The Specifications were given by Indian CST. The IT hardware Infrastructure was not finalized.

Indian CST initiated the process of selecting and training observers for deployment at various.

Examination centers for November-December 2010 but could not be completed as we were not permitted to carry out the observation activity at the centers.

Requested for work Order for continuation of the scope of work defined by MOU for November-December 2010 under the Phase-II given to Registrar (Evaluation). Work order was not given by BU.

Indian CST requested BU for permission to Indian CST Auditors to monitor the November-December Examination additional reforms changes undertaken by BU and record the processes of the conduct of the examinations. Permission was not granted by BU.

Indian CST requested BU to hand over the November-December 2010 students details that had appeared for examinations for analysis by Indian CST. Data was not given by BU.

Indian CST requested BU for November-December 2010 examination related Results Data for hosting on the portal developed by Indian CST as per MOU.

The data was not provided by BU and hence Indian CST could not host the data on the portal. Indian CST had recommended to BU to host all BU related Data on dedicated BU Server for security reasons and BU portal.

Complete Mismatch Report between SDR and OMR Results were submitted to Vice Chancellor for May-June-2010.

Coordinated and assisted BU Enquiry Officer by providing proof by the way of handing over the face sheets of the students whose marks allotted by BU Examination cell were suspected to be fraudulent.

Targets and achievements as per MOU				
No	Scope of work	Status of the project as on 7 September 2010	Status of the project as on 20 June 2011	Remarks
1	Phase-I (the Proof of Concept Phase) shall be limited to the conduct of the under-graduate semester examinations	Phase-I completed	Phase-I completed	System Study and audit of Examination Processes was carried out. Observers were selected and Trained for posting at all the examinations centers, evaluation centers and scanning centers for UG exam. Based on the completion of UG examination, letters were awarded by BU to take up the work of PG, BE.d, and distance education exams also. Same observers used for PG and Correspondence examinations of May-June-2010.
2	Make recommendations for the introduction of processes and technological measures, for the modernization and reform of the examination processes	Recommendations were made and presented to various BU committees.	Recommendations were made and presented to various BU committees.	Based on the proceedings of the core committee, dated 27/04/2010, certain recommendations are identified for implementation along with budgetary limits.
3	Assist BU in the implementation of the recommended processes and measures	A project Management Office is set up at the BU computer center and is functioning. Infrastructure such as computers, LAN, software, manpower, broadband has been installed. BU has provided the space and some cupboards.	A project Management Office is set up at the BU computer center and is functioning. Infrastructure such as computers, LAN, software, manpower, broadband has been installed. BU has provided the space and some cupboards.	Additional resources required are to be made available by BU and cost of resources deployed by Indian CST to be reimbursed. Refer Annexure.
4	Assist BU in identifying and selecting eligible vendors of the required tools and technologies, in a transparent and cost effective manner, including through e-tendering and reverse auction conducted by KSPHC	E-tendering and reverse auction completed for Phase-I. Approval for deployment for CCTV and hosting services work orders are not issued.	E-tendering and reverse auction completed for Phase-I. Approval for deployment for CCTV and hosting services work orders are not issued.	It is suggested that fresh tenders may be called for such of those services as required in Phase-II & beyond. Exp: If scanning and photocopying are likely to be continued it is better that suitable agencies to be fixed for a longer period i.e., 3 years for getting competitive prices.
5	Advice BU on methods/strategies for efficiently and effectively ensuring implementation of the reforms given the urgency of the situation and the time constraints, ahead of the semester examinations, including for splitting up of work more than one vendor	Completed in Phase-I.	Completed in Phase-I.	For Phase-II, a meeting may be scheduled to discuss further changes that may be required for implementation.

6	supervise the conduct of a system audit by an agency to be engaged by BU and compile and submit a system audit report to BU, at the conclusion of Phase-I, to enable them to gauge the efficacy of measures implemented and identify further weaknesses and loopholes in the system, that need to be addressed.	Completed in Phase-I.	Completed in Phase-I.	For Phase-II, a meeting may be scheduled to discuss further changes that may be required for implementation.
7	Prepare the draft Request for Proposals (RFPs) for the design, development and implementation of each of following measures, assist BU in identifying suitable vendors for hardware/software/services required in relation to each of these measures, work with the vendors identified by BU and monitor day-to-day the development and commissioning of each of these measures by the vendors chosen by BU and guide them in relation to the requirements of the project. a.	Deployment of a Collaborative Examination Portal ('Portal') for sharing of information amongst various participants and stakeholders in the examination system. b.	Deployment of a One Time Password system to provide for secure access of information and results online, by students.c.	A time and attendance management system based on biometrics for evaluators and staff. d.
8	Design and deploy a Global Web Based Project Management System (GPMS) to track and monitor the various activities of vendors and to keep track of each of their milestone deliverables. Indian CST will inform BU of any concerns relating to the delivery by any vendors and aid BU in taking necessary actions to make sure that the deliverables are obtained and deadlines are met.	Completed.	Completed.	Considering the large number of colleges under BU and the various activities being carried out, GPMS will help in efficient use of resources and tracking progress of the activities. A review meeting may be called for presentation of the GPMS. A discussion may also be held for additional features that are not covered by the MOU.
9	Advice BU on the required information technology infrastructure, networking, bandwidth, software and applications, required for deployment of the various IT enabled measures identified above.	Completed	Completed	Orders from BU for hosting services is required to be released by BU or re-tendering to be done
10	Maintain a stable secure dedicated In-house IT centre cum Disaster Recovery facility located inside BU campus. Indian CST will work with BU and advice it on various aspects connected with setting up and operating such a facility.	One technical meeting was held with the BU IT staff and minutes enclosed. Refer Annexure VI.	One technical meeting was held with the BU IT staff and minutes enclosed. Refer Annexure VI.	Follow up measures are to be taken.
11	Advice BU on and recommend any version upgrades, after the implementation of Phase I and ahead of undertaking the semester examinations for the next semester.	This report is submitted as compliance there off.	This Final report is submitted as compliance there off.	Decision of the BU to be communicated.
	Design , printing and supply of Audit Reports Multiple Copies for BU	Indian CST along with its media partner Namasthe Media Pvt. Ltd. completed this.	Indian CST along with its media partner Namasthe Media Pvt. Ltd. completed this.	BU can order additional copies from Namasthe Media Pvt. Ltd. if so desired.

Activities carried out at request of BU which is not listed in the MOU		
No	Additional Scope of Work requested by BU which was not part of MOU	Status
1	Collection of the Photocopy Applications forms along with DDs from students.	Completed
2	Reconciliation of DDs per course, semester and course wise of photocopy applicants. List Generated and handed over to BU.	Completed
3	Generated list along with DDs handed over to Finance Department through Registrar (Evaluation) and Special Officer.	Completed
4	Monitored the receipt of the scanned images of the answer scripts which was handed over by the respective custodians to printing vendor for taking photocopy and handing over to students and college case workers. This was the entire UG courses including LLB.	Completed
5	Help Desk activity by ICST staff for students who had queries on photocopy services.	Completed
6	Collection of the Re-evaluation Applications forms along with DDs from students.	Completed
7	Reconciliation of DDs per course , semester and course wise of Re-evaluation and Challenge valuation applicants. List Generated and handed over to BU.	Completed
8	Co-ordination between Custodians, BU IT Department, Special Officer Prof Siddaraju, BU IT Department and BU Re-evaluations officers for smooth conduct of Re-evaluations and challenge valuation by the way of submitting list of candidate who had applied for revaluation.	Completed
9	Check list which was received from BU IT with respect to students who had applied for re-evaluation and challenge valuations was cross checked for accuracy by Indian CST team with the Applicants list generated by ICST and handed over to BU.	Completed
10	Photo copying of answer scripts of students who had applied for re-evaluation or challenge evaluation	Completed
11	Development of Web Based customized application for BU Legal Cell	Completed and uploaded and currently being used by BU Legal Cell

12	On Request Services rendered to BU Enquiry Officer for investigation	Completed and on-going
13	Reconciliation of the Nov-Dec-2010 Examination DDs received from BU Special officers. Computerizing it and handing over the DDs along with Computer Generated statement to Registrar (Evaluation), Finance Officers and Special Officers.	Completed
14	Handing over of the Photocopy applicants list who had not received their photocopies by co-coordinating with Custodians, scanning vendor, ITI BU Department and BU special officer	Completed
15	Have handed over the original applications of the students who had applied for photocopy and had not received it course and semester wise	Completed. Softcopy along with original applications handed over to Registrar (Evaluation)
16	Complete softcopy of the all the students who had applied for photocopy, re-evaluation and challenge valuation given to Registrar (Evaluation).	Completed and accepted by Registrar (Evaluation)
17	Portal customized for integrating the Photocopy, re-evaluation details of the students.	Completed
18	Handed over the screen shots of the examination fees collection modules to special officers.	Approved by Special officers
19	Handed over the screen shots of the re-evaluation fees collection modules to special officers.	Approved by Special officers
20	Per special request of Registrar (Evaluation) monitored the shifting of the answer scripts from Evaluation centers of RC College, Al-Ameen , GAS to Jynabharti campus.	Report given to Registrar (Evaluation)
21	Provided additional printing and photocopy services for BU departments on request from Special Officers on emergency basis.	Designing completed and report printed by BU.
22	Development of system for online application.	Completed
23	Usage of mobile application in exam centers for data collection.	Tested successfully and uploaded to BU help desk
24	Development of Application form.	Completed as per BU requirement
25	Development of financial package.	Forms integrated but BU has not handed over their financial specification to be integrated to BU database.
26	Integration of BU data base.	May- June exams completed and Nov-Dec only registration details handed over to Indian CST but exam results not handed over till date.

Tasks completed by Indian CST for the MAY- JUNE 2010 BU Exams

Completed

1. Coordinated and Managed the Project management office
2. Coordinated and Managed All BU Application forms collection
3. Coordinated and Managed the Student DDs collection and submission to BU
4. Coordinated and Developed the Various online application forms
5. Coordinated and Managed the Scanning and Digitization
6. Coordinated and Managing the Portal Development
7. Coordinated and Managed the Training Programs Indian CST observers
8. Coordination and Developing the Mobile Applications
9. Coordinated and Managed the Results on the Portal
10. Coordinated and Managed the comparison between the Face sheets and OMR Results
11. Coordination and Developing Help desk and Managing complaints online
12. Coordinated and Managed the BU-Indian CST authorized Vendors for MAY – JUNE 2010 Exams
13. Coordinated and Managed the E- Tendering Process for BU

Contd...2

Tasks entrusted to Indian CST for the MAY- JUNE 2010 BU Exams contd...2

Completed

1. Coordinated and Managed the QC team, Indian CST Squads
2. Coordinated and Managed the Reports
3. Coordinated and Managed the Violation Reports
4. Coordinated and Managed the Indian CST Observers
5. Coordinated and Managed the Photo copies
6. Coordinated and Managed the video and CCTV vendors
7. Coordinated and Managed the Data Center vendors
8. Coordinated and Managed between examination centers and BU teams
9. Coordinated and Managed the Integration of various BU data bases
10. Coordinated and Managed the Digitization of the Applications forms and DDs
11. Coordinated and Managed the Evaluation center observers
12. Coordinated and Managed the Reforms implementation
13. Coordinated and Managed Various vendors infrastructure on the control room premises.
14. Coordinated and Managing Financial Package SRS for development teams

Tasks entrusted to Indian CST for the MAY- JUNE 2010 BU Exams contd...2

1. UG Examination monitoring as Observers at 150 examination centers
2. PG Examination Exams monitoring of 45 examination centers
3. B.Ed Examination monitoring of 37 examination centers
4. Examination online forms development
5. B.Ed application forms collection along with DDs
6. Answer Scripts Photocopy applications collection along with DDs
7. Evaluation center monitoring at 8 centers
8. First Semester marks card upload to GPMS site as per BU InstU Payment receipts for photo copy
9. Results uploading to Portal
10. Quality Control reports
11. Various Reports generated online
12. Help desk management
13. Scanning and Digitization
14. System Study at BU examination Centers
15. Onsite Posting of Observers
16. Crowd sourcing services
17. Handling of students grievances at Indian CST control room

Completed

Data base Details of students, courses, subjects, colleges, examination centers, for PG, B.Ed, PG Correspondence not yet given to Indian CST by BU

Pending

1. Development of Financial Package for BU as per accounts department requirement
2. PG, B.Ed, Students, course, subject, colleges, codes etc. data not received from BU
3. Photo copy application coordination with fees collection price to be approved
4. Training Program for 3500 Faculty members, online evaluation, online forms etc.
5. Additionally BU asked Indian CST to manage PG, B.Ed PG Correspondence, LLB exams
6. Question Papers of all MAY-JUNE 2010 not yet to be handed over by BU to Indian CST for uploading into portal
7. Marks card data base for all exams conducted not handed over by BU to Indian CST for comparison
8. Control Room Infrastructure like, Internet, UPS, networking, Servers, price to be approved
9. Table and chairs not provided to date as requested
10. First floor accommodation at control room not yet handed over to Indian CST by BU

Chapter-4

- Data and Analysis 44
- Mismatch Data Analysis 44
- Statistics of May-June 2010 45
- May-Jun 2010 Audit Reports 46
- November-December 2010 Exams 46
- OMR Data 46-48

Data and analysis

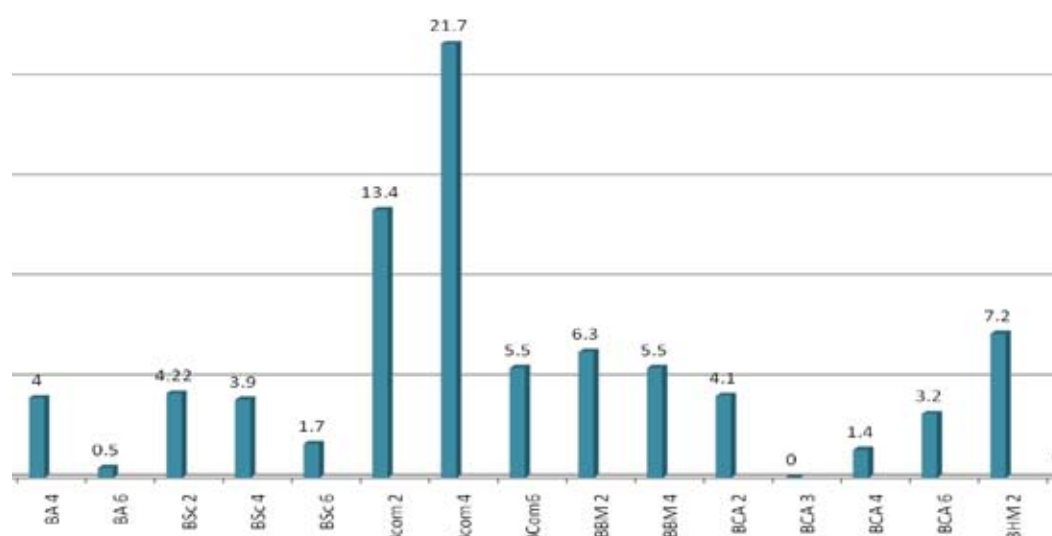
All mismatch data were rechecked by Indian CST personnel and corrections made to eliminate incorrect data. Detailed report of corrected mismatch data has been handed over to BU for further action. During the process of rechecking the following were observed.

- ▶ Students had written their Registration numbers incorrectly.
- ▶ Exam / subject codes were written incorrectly.
- ▶ Subject names were written incorrectly.
- ▶ Evaluators marking were not legible.

The results of the May-June 2010 were analyzed in detail by comparing the marks on the face sheet and the marks obtained by students as per their marks card. A large number of discrepancies were noticed in the two marks. These have been brought to the notice of BU vide an anomaly report submitted in January 2011. A summary of the anomalous data is given below. It is seen that mismatch is as high as 21.7 % in B Com Second semester course. This indicates that some serious errors have occurred during the scanning of OMR sheets and needs to be further investigated.

MISMATCH DATA ANALYSIS					
COURSE	OMR < SDR	OMR > SDR	Total Mismatch Data	Face Sheets Scanned	Percentage Mismatch
B A Second Sem.	672	1074	1746	72412	2.4%
B A Fourth Sem.	734	1043	1777	44254	4%
B A Sixth Sem.	812	1542	2354	47306	0.5%
BSc Second Sem.	162	153	315	7453	4.22 %
BSc Fourth Sem.	309	471	780	19826	3.9%
BSc Sixth Sem.	128	579	707	41048	1.7%
BCom Second Sem.	3044	4560	7604	164052	13.4%
BCom Fourth Sem.	14050	9578	23628	108990	21.7%
BCom Sixth Sem.	2420	3616	6036	110612	5.5%
BBM Second Sem.	1434	2152	3586	56759	6.3%
BBM Fourth Sem.	1603	2614	4217	74534	5.5%
BCA Second Sem.	203	343	543	22289	4.1%
BCA Third Sem.	2229	00	2229	381	0 %
BCA Fourth Sem.	178	249	427	30529	1.4%
BCA Sixth Sem.	115	368	483	14954	3.2%
BHM Second Sem.	96	133	229	3213	7.2%
BHM Fourth Sem.	03	02	05	2578	0.2%
BHM Eighth Sem.	20	94	114	2310	5%

Semester wise mismatch of Face sheet marks and OMR marks



Statistics of May – June 2010

1	Total Number of students enrolled for May-June 2010 Exams	2,23,514
2	Total Amount Examination fees Collected for May-June 2010 Exams	Rs.8,5000000.00 (Collected by BU directly)
3	Total Number of BU affiliated Colleges	835
4	Total Number of Examination Centers	145
5	Total Number of Face sheet scans done	1423052
6	Total Amount collected for Photo copies at Control room	37,93,735
7	Total Amount collected for Photo copies handed over to Finance Department	Rs. 1,394,51,252.00
8	Total Amount Handed over to Finance Department date wise	Rs.13,94,51,252.00
9	Total Number of student's photo copy applications recd	12485
10	Total number of all subjects photo copies applied	12754
11	Total number of students photo copies given	12754
12	Total number of students photo copies pending	939
13	Total number of subjects for which photo copies are pending	939
14	Reason for photo copies pending till date	Yet to be received from custodian
15	Reason for delay in handing over collected Amount to Finance Department	Pre occupation of BU Staff with other works.
16	Total Complaints received on online help desk	621
17	Total number of students applied for Revaluation	6599
18	Total Amount collected for revaluation	Rs.2291881.00
19	Total number of revaluation subjects applied for	6599
20	Total number of revaluation subjects wise and course wise	6599
21	Total number of revaluation students marks declared	3206 (Only 6 Sem)
22	Total number of revaluation students revaluation pending	3393
23	Reason for revaluation students evaluation pending	Pending from BU
24	Total number of students applied for Challenge Valuation	148
25	Total Amount collected for Challenge Valuation	Rs.161345.00
26	Total number of Challenge Valuation subjects applied for	148
27	Total number of Challenge Valuation subjects wise and course wise and college wise	148
28	Total number of Challenge Valuation student's marks declared	Single result.
29	Total number of Challenge Valuation students revaluation Pending	part of 21
30	Reason for Challenge Valuation students evaluation pending	Pending from BU

May-Jun 2010 Audit Reports

I & II Reports submitted to BU Vice chancellor. Total number of BU students database to be integrated along with Marks card and degree certificate issued from 2003 till date yet to be given by BU IT department for online viewing.

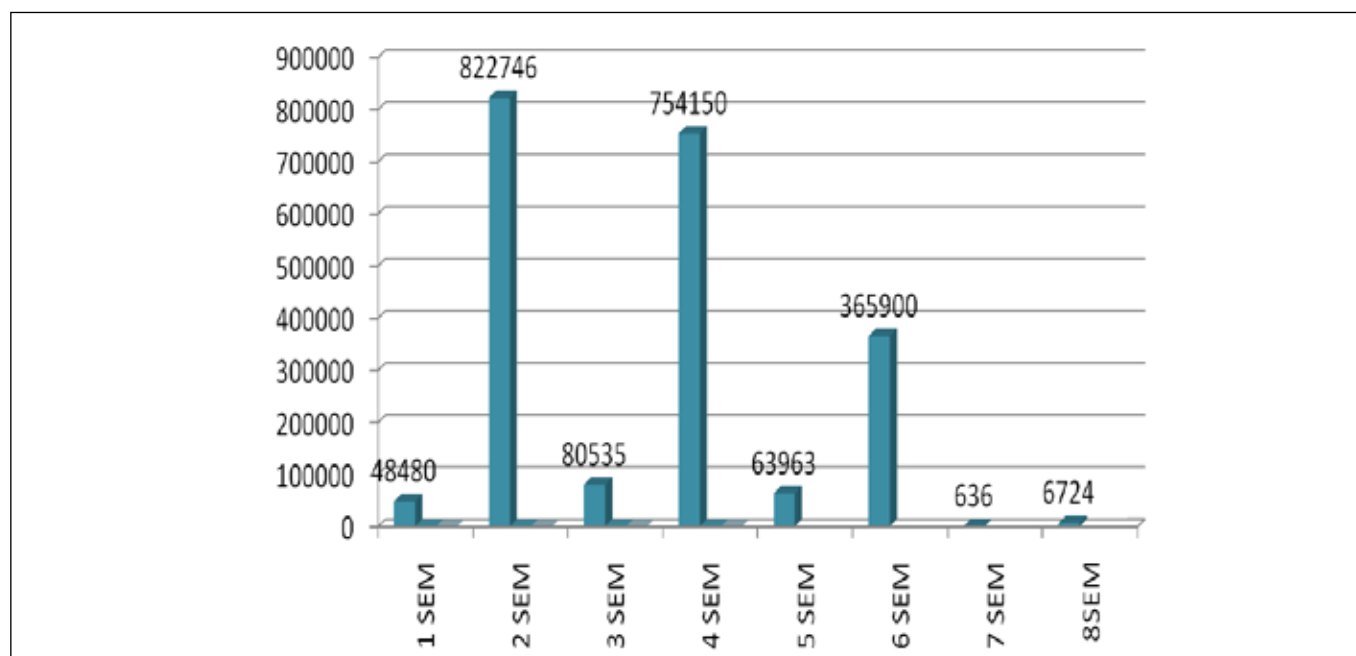
Nov-Dec 2010 Exams

1. Total Number of students enrolled for Nov-Dec 2010 Exams - 1,92,375
2. Total Number of students enrolled who don't have registration numbers - 173
3. Total Amount Examination fees Collected for Nov-Dec 2010 Exams - 12,7002148.5
4. Total Number of BU affiliated Colleges - 800
5. Total Number of Examination Centers - 137

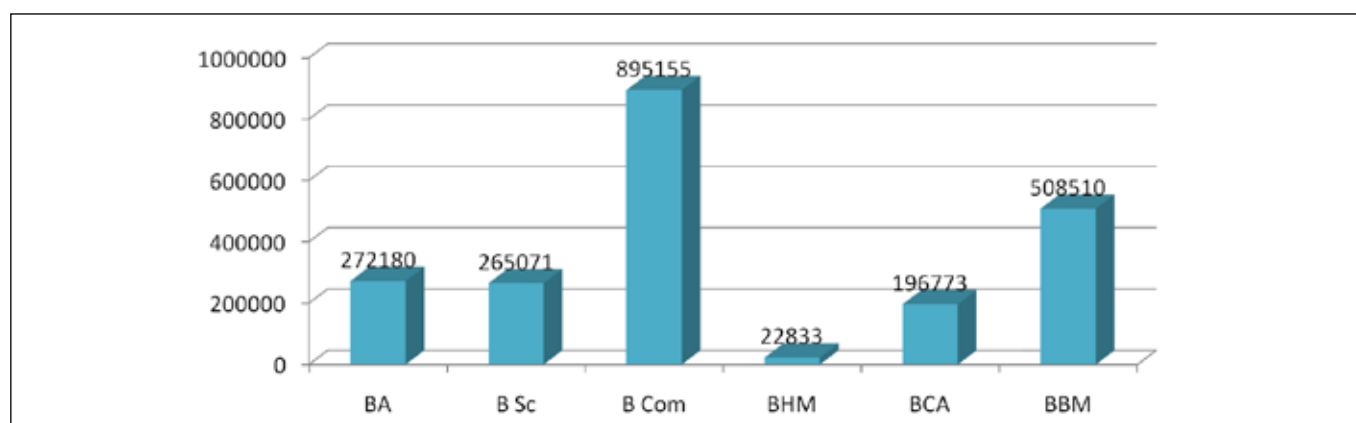
OMR DATA

Number of OMR Data/Records integrated with the application.

Classified based on SEMESTER								
TOTAL	1SEM	2SEM	3SEM	4SEM	5SEM	6SEM	7SEM	8SEM
2143134	48480	822746	80535	754150	63963	365900	636	6724



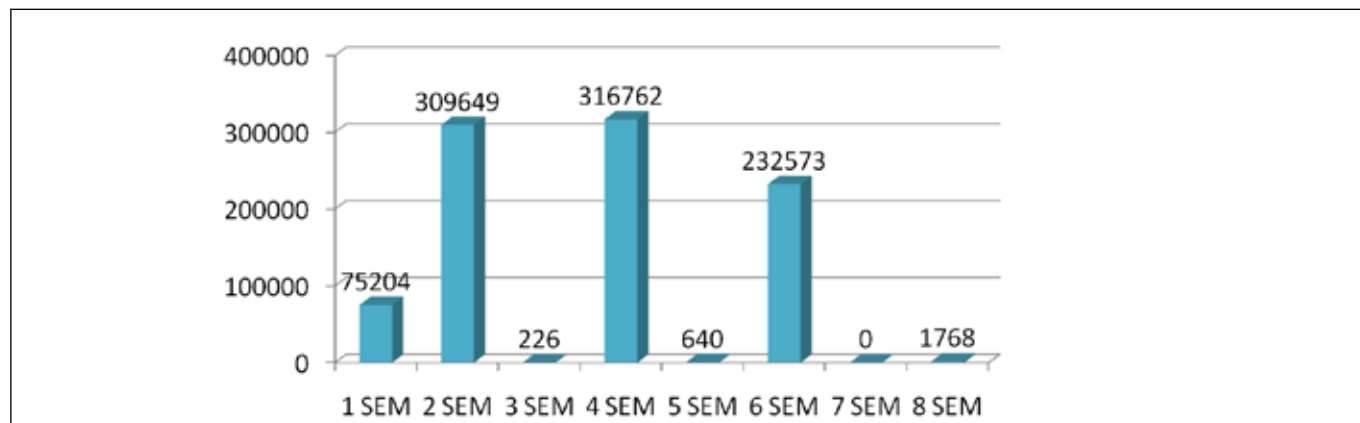
Classified based on COURSE						
TOTAL	BA	BSC	BCOM	BHM	BCA	BBM
1983522	272180	265071	895155	22833	196773	508510



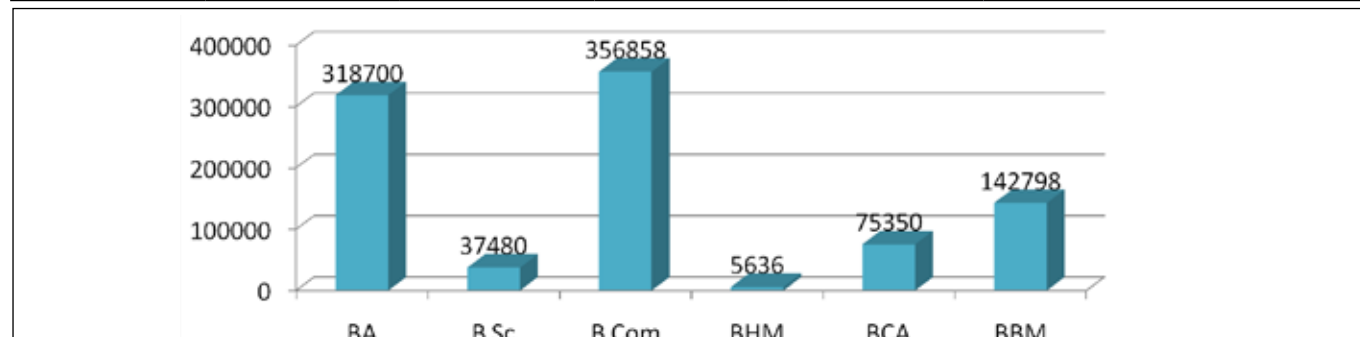
Face Sheet DATA

Number of SDR Data/Records integrated with the application.

Classified based on SEMESTER								
TOTAL	1SEM	2SEM	3SEM	4SEM	5SEM	6SEM	7SEM	8SEM
936822	75204	309649	226	316762	640	232573	0	1768



classified based on COURSE						
TOTAL	BA	BSC	BCOM	BHM	BCA	BBM
936822	318700	37480	356858	5636	75350	142798



BU-LEGAL CELL

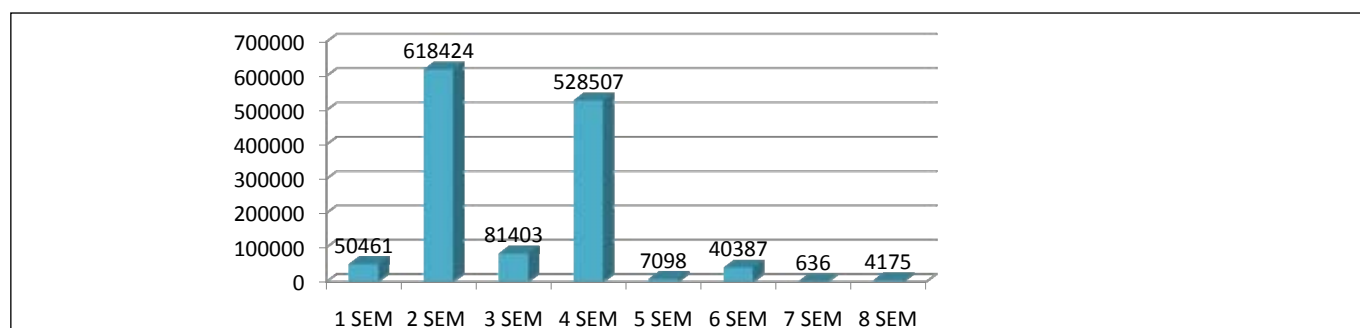
Total Number of BU-legal cell Data/Records integrated with the application.

Total number of pending cases registered in BU-Legal cell :3585

TOTAL DATA

Total Number of Data/Records integrated with the application.

classified based on SEMESTER								
TOTAL	1SEM	2SEM	3SEM	4SEM	5SEM	6SEM	7SEM	8SEM
1694574	50461	618424	81403	528507	7098	403870	636	4175



Sem	Course	Total Face Sheets scanned	Photocopy Application Received	Total Subjects Applied	Photocopy Scanned and Issued (40 Pages Per Script)	Photocopy pending Scripts	Re-evaluation Applied	Challenge Evaluation
8	BHM	2310	1	1	1		1	
5	BCA	814	40	51	44	13	23	
6	BBM	44654	628	769	691	50	485	15
6	BCA	14954	811	1027	1013	15	692	58
6	BA	47306	248	299	229	74	128	2
6	BSC	41048	724	871	836	45	636	12
6	BCOm	110612	1470	1862	1779	85	1182	17
	Total	258574	3881	4828	4,548	269	3123	104
4	BHM	2578	18	20	16	4	0	
4	BBM	74534	710	909	718	200	315	6
4	BCA	30529	503	566	501	79	277	10
4	BA	44254	544	573	505	71	313	4
4	BSc	19826	485	544	479	65	299	10
4	Bcom	152878	1562	1907	1406	526	763	4
	Total	324,599	3,822.00	4,519	3,625	941	1,967	34
3	BCA	381	16	22	22	1	14	2
2	BHM	3213	12	28	15	0	3	0
2	BBM	56759	400	734	478	256	86	2
2	BCA	22289	228	280	244	42	61	4
2	BA	72412	320	345	281	64	69	0
2	Bsc	7453	454	505	403	102	135	2
2	BCOM	164052	825	985	528	472	83	0
1	BCA	36						
	Total	326,214	2,239	2,877	1,949	936	437	
Grand Total		912,892	9,999	12,275	10,189	2,159	5,527	

Sem	Course	Total Face Sheets scanned	Photocopy Application Recd	Total Subjects Applied	Photocopy / scanned and printed in pages	Photocopy pending	Revaluation Applied	Challenge Valuation
2	BSLPA	2nd	24	38	38	0	37	Yes
4	BSLPA	4th	12	12	14	0	0	
3/6	LLB - Final	NA	317	1261	1258	3	550	Yes
5/10	LLB - Final	NA	315	1255	1255	0	484	Yes
3	Multiple Sem	NA	217	317	Completed	Completed	Completed	Yes
10	Multiple Sem	NA	862	1644	Completed	Completed	Completed	Yes
	BED	NA	739	1251	Completed	Completed	Completed	Yes

Total Photocopies scripts issued	12754
Total Pages scanned	507320
Total Pages Photocopied	507320

Chapter-5

- Conclusion

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Conclusion

During the entire process the team from Indian CST faced a lot of resistance and hostility from BU officials and custodians of evaluation centers. These were however overcome and the process of study /improvements successfully completed by Indian CST in the future interests of the young students.

A report containing details of the processes studied, Improvements recommended and action to be taken has already been submitted to BU for their consideration. Annexure containing data collected during the study is also appended to the report. BU should study this report and initiate action plans for implementing the recommendations made.

BU will be embarking on a long and arduous journey to reform the current examination process. Reforms will need to be introduced in the following areas:

- ▶ Examination wing
- ▶ Administration wing
- ▶ Admission wing
- ▶ Valuation wing
- ▶ Information Technology wing
- ▶ Colleges under BU

Detailed action plan will have to be drawn up for each area. Action plans will need to be time bound and responsibilities will have to be fixed for each area to ensure achievement of the targets and goals set.

The future exam system should induce confidence not only in the students but also in the other stakeholders the students passing out of BU are capable of meeting the challenges of the modern world.

Students and their parents should feel that considerable value addition has taken place during their period of study in BU and the new exam system is evaluating this value addition in a fair and just manner.

Advantages for BU by implementing the reforms suggested by Indian CST.

1. Streamlining the disorganized processes of BU.
2. Accountability among all the stake holders.
3. Transparency thru computerization.
4. Mismatch data verifications with scanned face sheets enabled scores of students to approach BU for corrections.
5. Mismatch data verifications with scanned face sheets enabled BU officers to pinpoint the discrepancies in the marks allotted.
6. Detailed analytics helped in tracking the frauds or discrepancies quickly.

The MOU signed with BU will end in May 2011. This final report is being submitted as a part of the winding up process.

Developed BU portal can now be used by all BU colleges, including university by uploading data to the system by any BU vendor for future examination process of the University and no further developments required except certain customization as and when required by BU.

Enclosed all the source code of the application and data along with various photos and videos and other reports.

SCANNING OF ANSWER SCRIPTS

Bangalore University as a part of the reforms process decided to introduce scanning of face sheets of answer scripts for the exam held in May-June 2010.



This was done to facilitate easy verification of marks obtained by viewing the face sheets online. Taking this process further BU has decided to scan the complete answer scripts (all 40 pages) for the exam of May-June 2011 so that the same can be made available to students for viewing online. Scanning of answer scripts should be done immediately after the answer scripts are marked.

This will prevent any tampering in the marks awarded and also prevent any addition or deletions to the answer script.

The scanning data can be uploaded directly into the central database on a day to day basis. Once all the valuation work is completed results can be announced in a very short time.

Scanning of answer scripts will benefit the students in many ways, some of which are given below:-

- a) Helps to reduce use of paper in photo copying.
- b) Students may take a printout themselves only if needed for applying for revaluation.
- c) Helps to reduce mismatch between marks earned and marks printed on marks sheet.
- d) Use of OMR sheet can be eliminated as marks can be directly digitized from the answer script for preparation of marks sheet.
- e) Evaluation system becomes more transparent.
- f) Ensures valuers properly evaluate the answer scripts.
- g) Higher degree of accuracy in the announcement of results.
- h) Any tampering in the answer scripts or the marks obtained will be avoided.
- i) Miss handling of answer scripts can be avoided as genuine students will benefit from transparent system.

The system of providing answer scripts to students who have applied for revaluation has been prevalent for a few years now in many institutions.

Students not applying for revaluation were denied this facility. This process however was expensive and many students found it difficult to use this facility.

One student from West Bengal finally approached the high court in this matter and the court gave a favourable ruling stating that evaluated answer scripts could be obtained under RTI act. This ruling was opposed by many institutions and the matter was taken up by the Supreme Court.

In a ruling given, Supreme Court has ruled that evaluated answer scripts should be provided to students under RTI act. This ruling covers all exams held by any Board, University, or any other body for admission purposes etc

With the above ruling it will become imperative for institutions to have a system in place where in copies of answer scripts can be provided as and when asked for.

By using the process of scanning the answer scripts and storing that data in a suitable media on the cloud, institutions can provide copies of answer scripts as and when demanded. This will also reduce the storage problems of old answer scripts.

A few universities have announced that they will introduce the system of scanning the answer scripts in the near future.

Project Sanjeevani platform implemented and tested in BU by Indian CST ensures the above purpose. With this BU will be one of the first of this kind to implement online information related to examination.

This will go a long way in meeting the RTI requirements as well as ensuring greater transparency in the whole examination system.



Bangalore University

INITIATES EXAM REFORMS

PROJECT SANJEEVANI

REPORT On
System Audit Of Examination Process

From May - June 2010



Bangalore University along with Indian Centre For Social Transformation (Indian CST), has launched an Examination process Modernization Process called **Project Sanjeevani** aimed to promoting transparency and enhance the overall credibility of examination results.

Indian Centre For Social Transformation Associate 2 Transform & Excel

Indian Centre for



Social Transformation
A Public Charitable Trust (Regd.)

Registered Office : # 403,
"Usha Kiran Apartments", 25, Haudin Road,
Bengaluru - 560 042, Telefax : +91 80 25376415

Log on to this web site for registration

www.indiancst.in

www.bub.ernet.in



Bringing reforms in conduct of Examination in BU

Indian Centre for



Social Transformation
A Public Charitable Trust (Regd.)



IT enabled solution



Stakeholder involvement



Total Transparency and
Auditability



Improvement in Stages

Conduct of
Exams

- Confidentiality and purity to be maintained
- Adherence to time schedule and budget

Valuation
Process

- Impartiality and transparency
- Accuracy of evaluation within tolerance limits

Results
acceptance

- % of challenges to evaluation to reduce progressively
- Improvement in students capacities brought about

Visit www.indiancst.in/bu for online forms and your RESULTS

Associate 2 Transform & Excel

About Indian CST

Indian Centre for Social Transformation (Indian CST) is a registered public charitable Trust, formed on 14-11-2009 (Registration No. HLS-4-00228-2009-10 dated 26/12/2009). Its registered office is located at No. 403, Usha Kiran, Haudin Road, Bangalore-560 042. The Trust is represented by JK Rao, IRS (Retd.), Raja Seevan and A Arumugham as Trustees.

The main objective of the Indian CST is to realize sub clause (j) of Article 51A which reads as under:

Article 51A: (j) to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement.

The goal of Indian CST is to promote projects that will deliver cost effective computing, best practices, knowledge management systems and critical applications at affordable costs to masses across India. Indian CST truly believes in "IT for Social Change."

Indian CST Achievements:

1. Through Cloud Computing Infrastructure, Indian CST has provided Global Project Management Solutions called ETAMINE to Bruhat Bengaluru Mahanagara Palike (BBMP) in professional implementation of over 20000 publicly-funded projects costing Rs 14,000-crores.
2. Another Project under implementation is the Examination Processes Modernization and Reforms in Bangalore University effecting 15 lakh students.
3. National Productivity Council (NPC) and Indian CST have come together in a spirit of mutual interest to synergize their individual strengths and work jointly the field of Project Management and Monitoring of Projects specially in Government/Public Sectors within India.



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