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ROLE OF ICT IN TRANSFORMING TRADITIONAL EXAMINATION SYSTEM

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ABSTRACT

Human lives today are encompassed by innovation. Today the innovation has supplanted major customary and regular practices which people pursued for a very long time. The training framework will be compelled to experience significant changes as another age of instructors who have grown up encompassed by innovation enter the homeroom. Changes are expected to destroy the customary assessment and assessment framework engaged with paper and pen approach and assessment of physical answer sheets. Any ascent in PC based/innovation based tests would unavoidably prompt a decrease in the utilization of pens, pencils and paper in the homeroom. The creator in the present paper has made an endeavour to give a paperless assessment and assessment framework to beat the deficiencies of the conventional framework.



KEY WORDS - Human lives , training framework , utilization of pens.

I. INTRODUCTION

The job of the instructor is to give significant top to bottom information to the understudies even past the books and references. The educator assumes fundamental and powerful job in the lives of the understudies. The persistent assessment framework now days keeps the educators occupied with other assessment and regulatory exercises, in this way they are left with deficient hours for session arranging and instructing advancements. Along these lines there is a dire and urgent need to locate another arrangement of assessment which will decrease the time and

endeavours engaged with leading the tests and furthermore the assessment of the papers in this way. The Author through this paper has made an endeavour to give an arrangement of Paperless assessment and assessment framework which won't just help in lessening the time, exertion and cost of the directing the tests and assessing the Answer sheets yet additionally decrease the edge of mistakes and making the outcome increasingly substantial and solid.

II. CURRENT SCENARIO

In ebb and flow situation the vast majority of the instructive establishments/colleges in India, sends the information of understudies qualified for taking up the test to the college, the college produces a special seat number and issues lobby pass to the understudies, the understudies are then apportioned the inside for composing the test. The inquiry papers are either printed and conveyed physically or are messaged to the separate focuses which are photocopied or printed at the middle and disseminated among the

understudies. In the wake of composing the test on the paper incorporated answer sheets, the understudies present the papers to the lesser administrators in the assessment corridor, the lesser chiefs thus present the appropriate response sheet to the senior bosses, the papers are then despatched to the college. The papers so got by the college are later coded and are despatched to the appraisal places for evaluation or the papers are examined for online evaluation. If there should arise an occurrence of physical answer sheets evaluation the characteristics of the understudies are nourished through the imprint sheets anyway in the event of online appraisal of the examined imprint sheet, the imprints are naturally taken by the product and the outcome gets ordered consequently.

DISADVANTAGES OF THE PRESENT

1) Wastage of stationery: the utilization of paper for composing the tests prompts wastage of stationery as it is seen that the appropriate response sheet contains institutionalized number of papers for all the subjects in which case the vast majority of the subjects just 12 to 15 pages of the appropriate response sheets are used out of all out number of 32 pages (may as indicated by schools and colleges) in this manner prompting huge wastage of paper stationery. Additionally the inquiry papers are printed for all most every one of the understudies enlisted for the test anyway there are numerous understudies who stay missing in the assessment prompting wastage of stationery

2) Effect on the Environment:-

a) Cutting of trees:-

1 tree makes 16.67 reams of A4 size paper or 8,333 sheets. School having on a normal 5000 understudies will require 5000 understudies x 7 subjects x 32 sheets per answer sheet = 11,20,000 sheets for each semester. For both the semester it requires 11,20,000 sheets x 2 = 24,40,000 sheets. No of trees slice to create these sheets are 24,40,000 sheets ÷ 8,333 sheets for each tree = 269 Approx. trees yielded all things considered per year.

For instance in Mumbai University where just in B.Com course there are 70000 understudies selected. The figure goes up very high as 1881 trees only for definite year test so putting all the 762 subsidiary schools of the Mumbai college every one of the tests set up together it prompts 1881 trees x 3 years = 5643 trees p.a. for

b)Wastage of water and health hazards: -

The innovation utilized in the Indian paper industry is the most seasoned around the world. We use chlorine-based innovation which discharges a great deal of mercury which is harmful. There is discharge of dioxins which are cancer-causing.

Most importantly, it's a water-concentrated industry - about 3,000 liters are utilized to deliver a single sheet." Environmentalists likewise state most paper processes in the state don't have profluent treatment plants." [Times of India, Bengaluru, Jul 18, 2011] All the water discharged by the paper industry arrives at some network and represents an enormous wellbeing risk.

c) Most of the pens understudies use to compose the paper are made of plastic

3) Wastage Of Time and energy:-Even after the test is over the lesser chiefs are required to present the appropriate response sheets to senior administrators. The senior bosses later need to count the appropriate response papers submitted information with the reports information and despatch it to college. They are required to stand by nearly till 1 or 1.5 hours much after tests

III.Proposed New System Of Paperless Examination and Evaluation

The entire process is divided into three stages

- a) before examination
- b) Conducting Examination
- c) Evaluation of Papers and Results

a) Before examination

- 1) The school should take the photos of the understudies for making their Id cards (and not only glue a photograph on it) and register their cell phone numbers and an email id. These caught photos alongside the information of understudies will be utilized later for understudy's participation at the school or college test.
- 2) The school should send the information of the qualified understudies for tests to the college.
- 3) The college will at that point produce the seat numbers for the understudies and send them to the school and to the understudies on the email Id and their enrolled portable number

b) Conducting the Examination

- 1) All the schools will be associated with the colleges server online through web during tests
- 2) The inspector will login to the college site for recording the participation of the understudy. Understudy should sign the participation sheet in assessment Hall (lawful limitation) anyway his participation will at the same time be recorded through face acknowledgment by snapping the picture in the assessment corridor where his participation will likewise be consequently enrolled against his seat number for the specific paper

His record alongside an OTP (to be utilized as secret key for understudy) will be produced other than his photo on bosses portable. The administrator will at that point impart the OTP to the understudy. College site page for login will be as of now shown on the Virtual intelligent screen on the table from where the understudy will have the option to login with seat number as client ID and his OTP as secret key [3] [4]. The participation will subsequently will have twofold check as it will arrive at college site through two sources

- a) bosses portable
- b) understudies login.

after 30 minutes the administrator will present the participation record to the college server by squeezing the submit button on his cell phone.

The area of the administrator likewise will be sent to the server.

- 3) On fruitful login the understudies will have 2 next to each other virtual intuitive shows on the composing table (with white sunmica) one presentation window will contain question paper (incompletely intelligent for target questions) and the other showcase window will contain the organized clear answer sheet (Fully intuitive) set apart with the inquiry quantities of emotional and expressive inquiries on labels on the correct side edge of the paper.

- 4) The understudy will cooperate with the inquiry paper and the appropriate response sheet with the attractive pen. The understudy can have a vibe of composing physically on the appropriate response sheer anyway it will be a virtual one.

- 5) The target addresses will be comprehended by the understudies on the intelligent inquiry paper itself (with drop down menu, check box and so on)

- 6) The abstract/enlightening answers can be composed by choosing the fitting inquiry number from the tag by hand on the virtual answer sheet anticipated on the (ideally white sun mica) composing table. The understudies can eradicate the issue, re-compose the issue and draw outlines with inbuilt drawing instruments like that in Microsoft word programming.

- 7) At the end when the understudy is finished with the paper he can present the paper by squeezing "complete" button. Anyway the administrator can likewise present the paper toward the finish of the test having a place with his/her square by squeezing "present the progressing papers and close". On accommodation of the paper either by the manager or understudy the paper will straightforwardly get put away on the college server alongside the Location of the understudy from where the understudy has presented the paper. The last count of complete number of papers submitted with seat number will show up on the chiefs cell phone screen.

- 8) The chiefs versatile number and email id will be enrolled ahead of time and the school specialists and college will relegate the seat quantities of the understudies having a place to the chief as prescribed by the college

IV. ASSESSMENT AND RESULT SECTION

- 1) Assessment: At the hour of the appraisal the inspector should survey the appropriate response
 - i) objective inquiries will be consequently surveyed by the framework itself
 - ii) only abstract and expressive answers should be evaluated. Since the appropriate response sheets will be the organized just those answers the inspector should survey which are really endeavoured by the understudy that excessively online on P.C. hence diminishing the time required to survey the papers. The appropriate responses not endeavoured will naturally be set apart as "NA" (not endeavoured). The inspectors can survey the papers from anyplace, just prerequisite will be the web cam on the screen as in the wake of evaluating and presenting each paper a preview of the individual surveying the paper will be taken and joined with the appropriate response sheet to guarantee that solitary approved analysts evaluate the papers.
- 2) Result: the imprints naturally will be designated to particular seat quantities of the Understudies and the outcome will be created consequently

V. ADVANTAGES OF THE PAPERLESS EXAMINATION SYSTEM

- 1) The new framework will be condition neighbourly as there will be no prerequisite of paper at all for assessment reason in this way will prompt investment funds in trees and water assets
- 2) The new framework will prompt investment funds in bunches of time and endeavours of junior boss and senior chiefs as their undertaking will be decreased to just taking the participation and be cautious in their square. They will be free when the paper is finished as the papers will get submitted to the server online consequently.
- 3) Huge investment funds of labour and cost as there is no prerequisite of coordination's for the assortment and conveyance of answer sheets from the assessment corridor to the college.
- 4) No need of filtering the appropriate response sheets as the appropriate response sheets are in electronic structure
- 5) Detailed examination of the outcome is conceivable as under
 - a) Question shrewd investigation: which question is endeavoured the most and which was endeavoured the least by generally every one of the understudies in the college set up together.
 - b) school shrewd investigation
 - c) Area shrewd Analysis
 - d) Zone shrewd investigation) Teacher astute examination hence will give further information to inquire about
- 6) No space for control as there is least extent of human mediation
- 7) Assessment and control will take less time as the quantity of inquiry to be checked Will decrease as the target question will naturally be checked

VI. CHALLENGES OF THE PAPERLESS EXAMINATION AND EVALUATION SYSTEM:

- 1) There are odds of intensity disappointment which may upset the assessment procedure, anyway it tends to be overwhelmed by having a power back up
- 2) High speed web
- 3) The projector gadget for the virtual intuitive screen may appear to be expensive at first. Anyway considering the reserve funds in paper cost and the natural advantages it will demonstrate to be a reasonable interest over the long haul
- 4) Training session both for the understudies and the administrators and the inspectors and arbitrators should be attempted.

VII. CONCLUSION

In this paper creator had introduced the realities identified with conventional assessments framework and furthermore talked about the effect of ICT in changing the customary assessment framework. The creator has proposed a model of executing the new age ICT based assessment

framework. After execution of the proposed framework there will be significant and recognizable decrease in normal assets.

VIII. REFERENCES - CITATION

- [1] "Robertson, Stephen." "Understanding opposite report recurrence:
- [2] Vyas, R. V., Sharma, R. C., and Kumar, A. (2002). Instructive TV in India. Turkish Online Journal of Distance Education, 3(4).
- [3] Harrison S. furthermore, P. Dourish (1996). "Re-place-ing Space: the Roles of Place and Space in Collaborative Systems." CSCW'96 (an ACM production).
- [4] Clark, S. furthermore, Maher, M.L., 2005. Learning and structuring in a virtual spot: Investigating the job of spot in a virtual plan studio. Procedures of CAADe 2005