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| --- | --- | --- | --- | --- | --- | --- |
| Process | System Report | | | | | |
| Human | Non-computing Hardware | Computing Hardware | Software | Database | Internet & Communication |
| Create new students account | **SPM Admin:**  1)Receives new Students info from Registrar’s office database  2)Generate new students accounts from provided information | **Pen, Paper and Stationaries:**  1) May be used by SPM admin note-down any corrupted information sent from registrar’s office | **Computer:**  1)Used by SPM Admin to receives data from registrar’s office database & generate new Students accounts  **Database Server:**  1)Registrar’s office DB from which new students information will be sent  2)SPM DB in which new students account will be stored | **Operating System:**  Used by SPM Admin to operate their computer  **Office Suite:**  May be used to store information locally in Excel format | **RDBMS:**  1) Used by both SPM DB & Registrar’s office DB to stored information  **Excel Software:**  May be used to store information locally in Excel format | **Internet:**  1) Used to access and modify SPM database  2)Communicate between SPM Admin & Registrar’s office  **Telephone:**  Used for verbal communicate between SPM Admin & Registrar’s office |
| Update PLO on SPM DB | **Higher Authority:**  1) Gets PLO from UGC/IEB  2) Stores PLO in SPM DB  **UGC/IEB:**  Send PLO to Higher authority | **Pen, Paper and Stationeries:**  1) May be UGC/IEB Send printed version of PLO. | **Computer:**  1) Used by UGC/IEB to send PLO  2) Used by higher authority to store PLO | **Operating System:**  Used by both higher authority and UGC/IEB to operate their computer  **Office Suite:**  Used by UGC/IEB to create or modify PLO | **RDBMS:**  Used for SPM DB to stored PLO information | **Internet:**  1) Used by UGC/IEB to provide PLO to higher authority  2) Used by higher authority to stored PLO in SPM DB  3) Used to communicate between higher authority and UGC/IEB  **Telephone:**  Used for verbal communication between higher authority and UGC/IEB |
| Sends Student Reports to UGC/IEB | **UGC/IEB:**  1) Receive Student reports from SPM DB | **Pen, Paper and Stationeries:**  May be used by UGC/IEB to print the report  **Folder:**  May be used by UGC/IEB to stored printed report | **Computer:**  Used by UGC/IEB to view report  **Printer:**  May be Used by UGC/IEB to print report | **Operating System:**  Used by UGC/IEB to operate their computer  **Printing Software:**  Maybe Used by UGC/IEB to print report | **RDBMS:**  Used for SPM DB to store student reports | **Internet:**  1) Used by UGC/IEB to view students report from SPM DB  2)Used by higher authority to stored PLO in SPM DB  3)Communicate between higher authority and UGC/IEB |
| Submit students’ course-wise mark sheet to SPM DB | **Faculty:**  1)Receives student assessment from a certain course  2) update student mark sheet to SPM DB for that certain course | **Pen, Paper and Stationaries:**  1) May be used by students to take lecture, write assignments, reports or take exam.  2) May be used by faculty to write lecture outline or print exam questions  **Folder:**  May be used by teacher to store students’ assignments, exam papers or mark sheet | **Computer:**  1) May be used by student to send assignments, reports or take online exams  2) May be used by faculties to view and mark the given reports, assignments or exams | **Operating System:**  1) Used by both faculties and students to operate their computers  **Office suite:**  1) Used by students to write assignments and reports  2) Used by faculty to write lecture outline or print exam questions | **RDBMS:**  Used to store students’ course wise mark sheet to SPM DB  **Excel Sheet:**  Used by faculties to store student mark sheets locally | **Internet:**  1) Used by students to submit the reports, assignments or take online exams  2) Used by faculty to receive student assessment  3) Used by teacher to store students course wise mark sheet to SPM DB  4 Communicate between student and teacher |
| Update PLO-CO mapping to SPM DB | **Faculty:**  1) Discuss PLO-CO among each other  2) Submit PLO-CO mapping in SPM DB | **Pen, Paper and Stationeries:**  1) May be used by faculty to print the PLO-CO mapping | **Computer:**  1) Used by faculty to PLO chart and submit PLO-CO mappings  **Printer:**  May be used by faculty to print the PLO-CO mapping | **Operating System:**  Used by faculty to operate their computer  **Printing software:** May be used by faculty to print the PLO-CO mapping | **RDBMS:**  Used to store PLO-CO mapping | **Internet:**  1) Used by faculty to store the PLO-CO mapping  2) Used to communicate with faculties and higher authorities  **Telephone:**  Used for verbal communication between faculties and higher authorities |