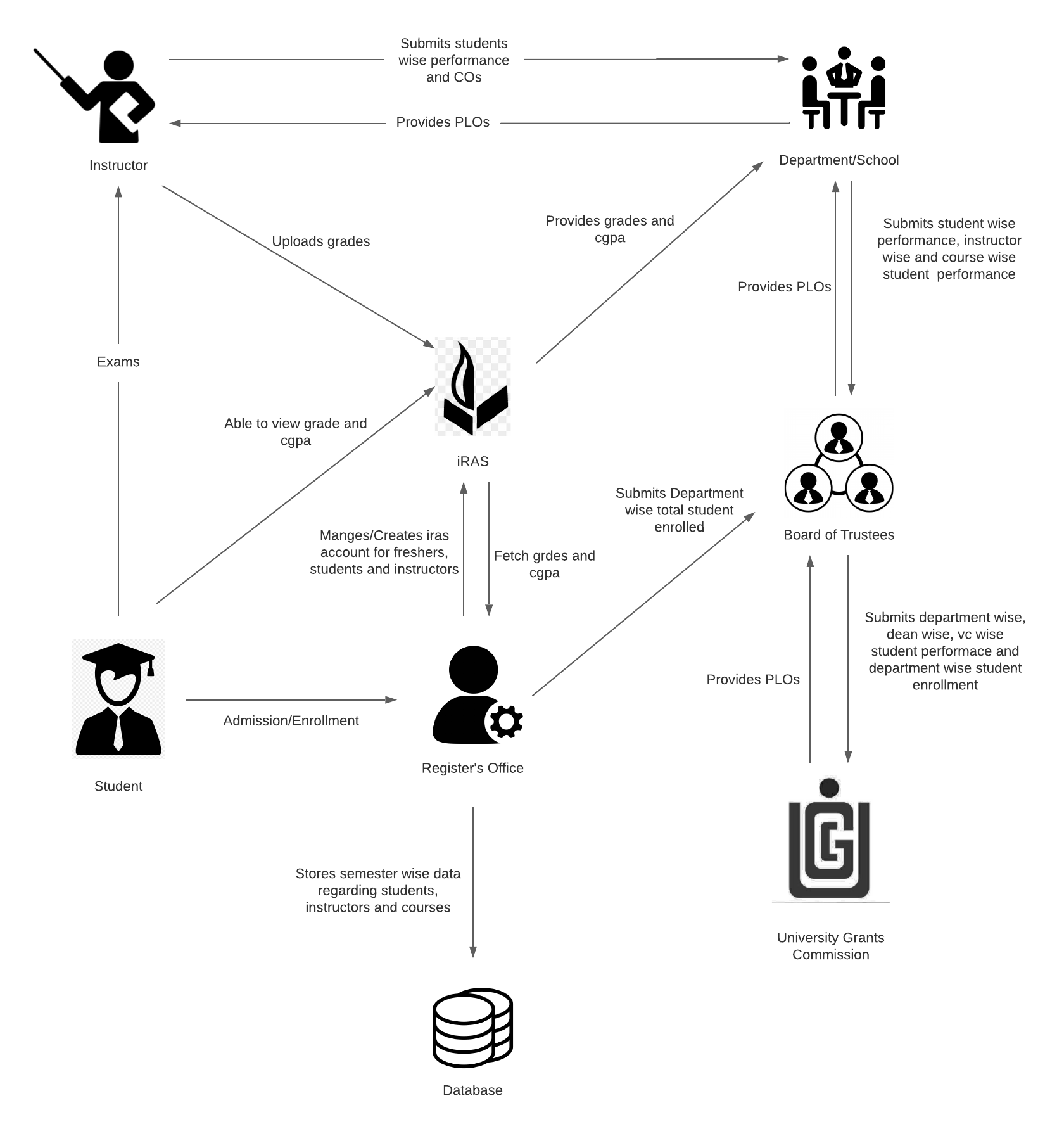


**Student Performance Monitoring System**

**Database Management**

**Group-4**

RICH PICTURE(AS-IS)

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| **Process** | **System Roles** | | | | | |
| **Human** | **Non-Comp**  **Hardware** | **Computing**  **Hardware** | **Software** | **Database** | **Network &**  **Commination** |
| Prepare question paper, time and venue | **Instructors**  1) Prepare question for the students  2) Give a particular time and date for the exam  3) Mange a classroom with chairs for all students  4) Prepare SODs and invigilators  **Students**  1) Attempt the examination | **Stationery**  1) Pen and paper for attempting the exam.  2) Compass, ruler and other stationery for drawing diagrams  **Classroom**  1) A space for conducting the exams  **Stapler**  1) For attaching all the extra paper, rough work and answers | **Computer/**  **Laptop**  1) Some courses require a computer for coding or open book exam.  **Calculators**  1) Some exams require the use of calculators  **Printers & photocopy machine**  1) Instructors use it for printing question papers | **Microsoft Word**  1) Typing the question and generating a printable pdf.  **Microsoft PowerPoint**  1) Used for giving lectures  **Adobe Acrobat Reader**  1) For viewing the question paper in pdf format | **Microsoft Excel**  1) Used for storing exam marks and calculating final grade | **Internet**  1) Used by faculties to upload marls and grade to online excel sheets |

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| **Process** | **System Roles** | | | | | |
| **Human** | **Non-Comp**  **Hardware** | **Computing**  **Hardware** | **Software** | **Database** | **Network &**  **Commination** |
| Maintain and Create account for freshers, instructors and students. Also, this information in database and provide to board of trustees | **Admin**  1) Create new iras account for fresher.  2) Maintain accounts in case of probations or semester drop or system login issues | **Stationery**  1) Pen and paper, in case a student needs manual registration. | **Computer/Smart devices**  1) For login into the system, maintaining system and maintaining records | **iRAS**  1) Provides graphical user interface for ease of use  2) Board of trustees/ admins can login to find out number student enrolled | **iRAS database server**  1) iRAS database server is used for student registration, add/drop, grades submission and faculty evaluation submission  **Registration office storage**  1) Stores all the hardcopies and softcopies of semester wise student performance | **Internet**  1) Internet is need to access iras software |

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| **Process** | **System Roles** | | | | | |
| **Human** | **Non-Comp**  **Hardware** | **Computing**  **Hardware** | **Software** | **Database** | **Network &**  **Commination** |
| UGC approved curriculum based on PLO | **UGC**  1)Arrange a meeting and set a curriculum and standard  2)Review the curriculum and make any changes, if necessary  3) Send the approved curriculum to the board of trustees  **Board of Trustees**  1) Receives the approved curriculum from UGC and sends it to the departments and dean | **Paper**  1) For keeping and send hard copies of the curriculum | **Computer**  1) For creating softcopies or pdf files of the curriculum  2) For sending out the curriculum to the board of trustees via email or other methods  **Printers & photocopy machine**  1) Used for printing the curriculum and making copies | **Microsoft Word**  1) Used for creating softcopies of the curriculum  **Adobe Acrobat Reader**  1) Used for viewing the curriculum in pdf format |  | **Internet**  1) Used for sending the curriculum via email or other applications |