



SNS COLLEGE OF ENGINEERING



Kurumbapalayam(Po), Coimbatore – 641 107

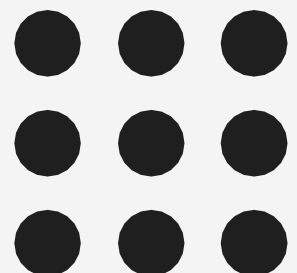
Accredited by NAAC-UGC with 'A' Grade

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Department of Information Technology

Course Name – Software Engineering

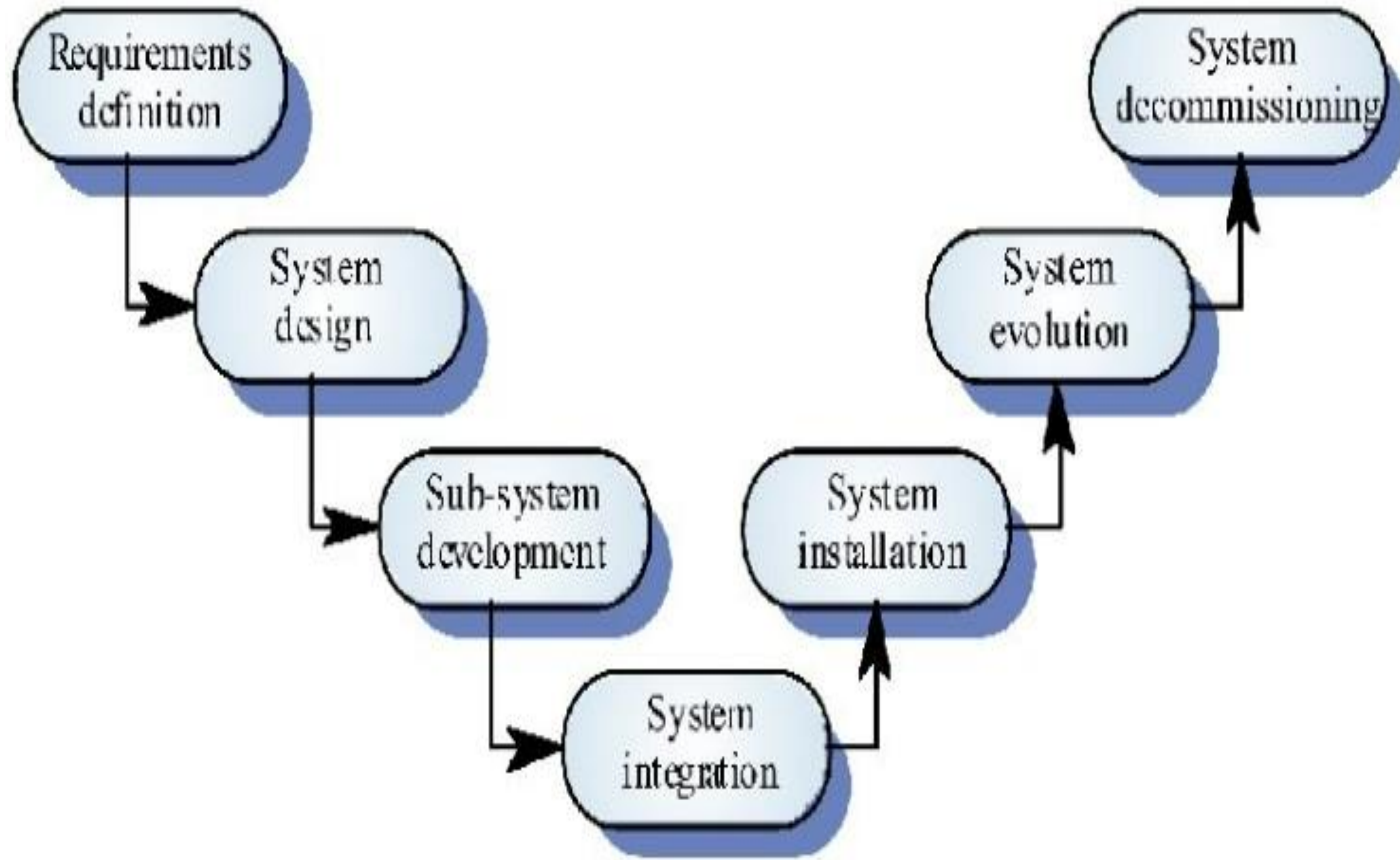
II Year / III Semester





Computer Based System Engineering

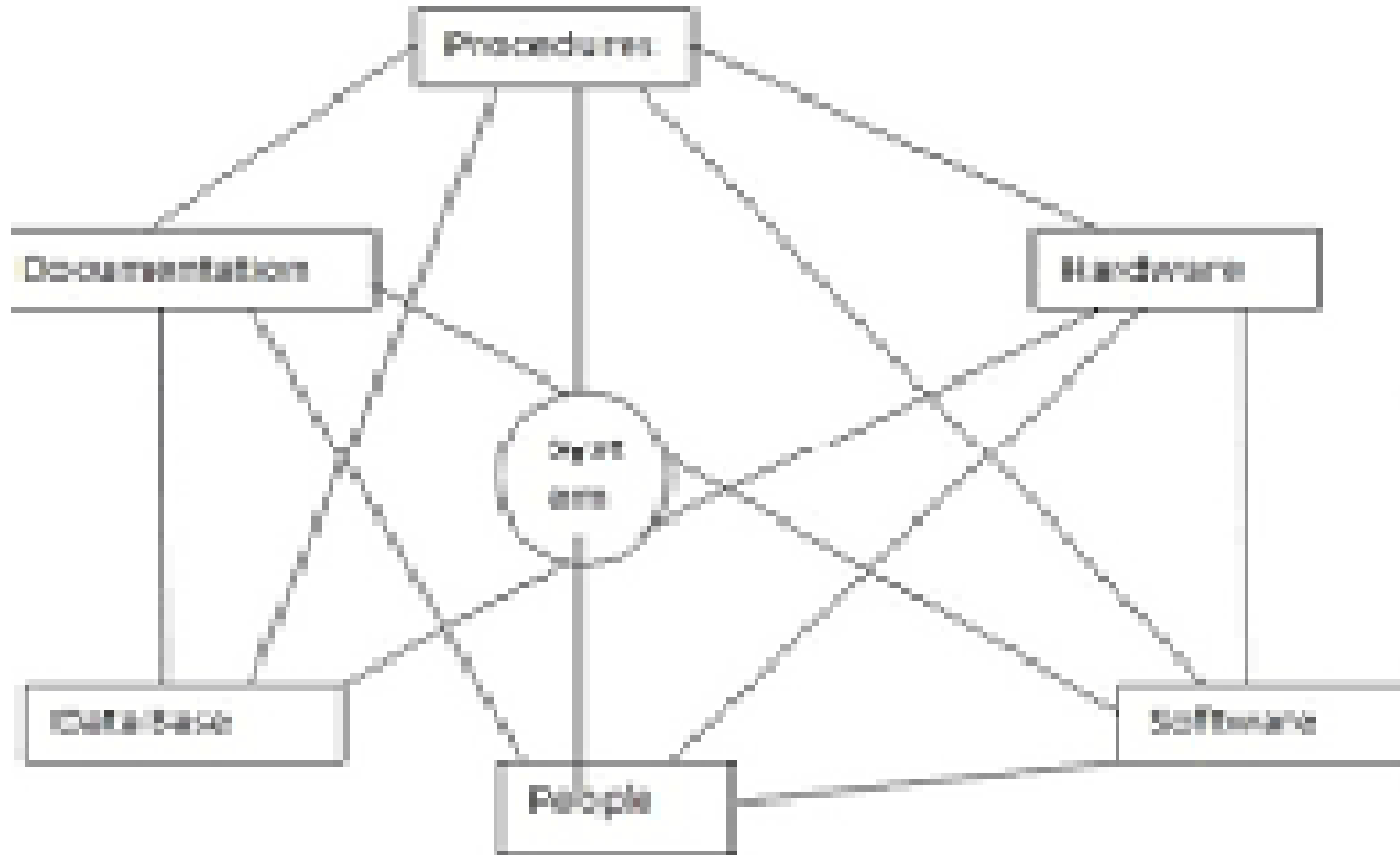
- The computer based system contain a lot of components to be built. Generally when the software and hardware are kept together in a form of a system. They must interact with human, with software tasks, hardware tasks, databases etc.

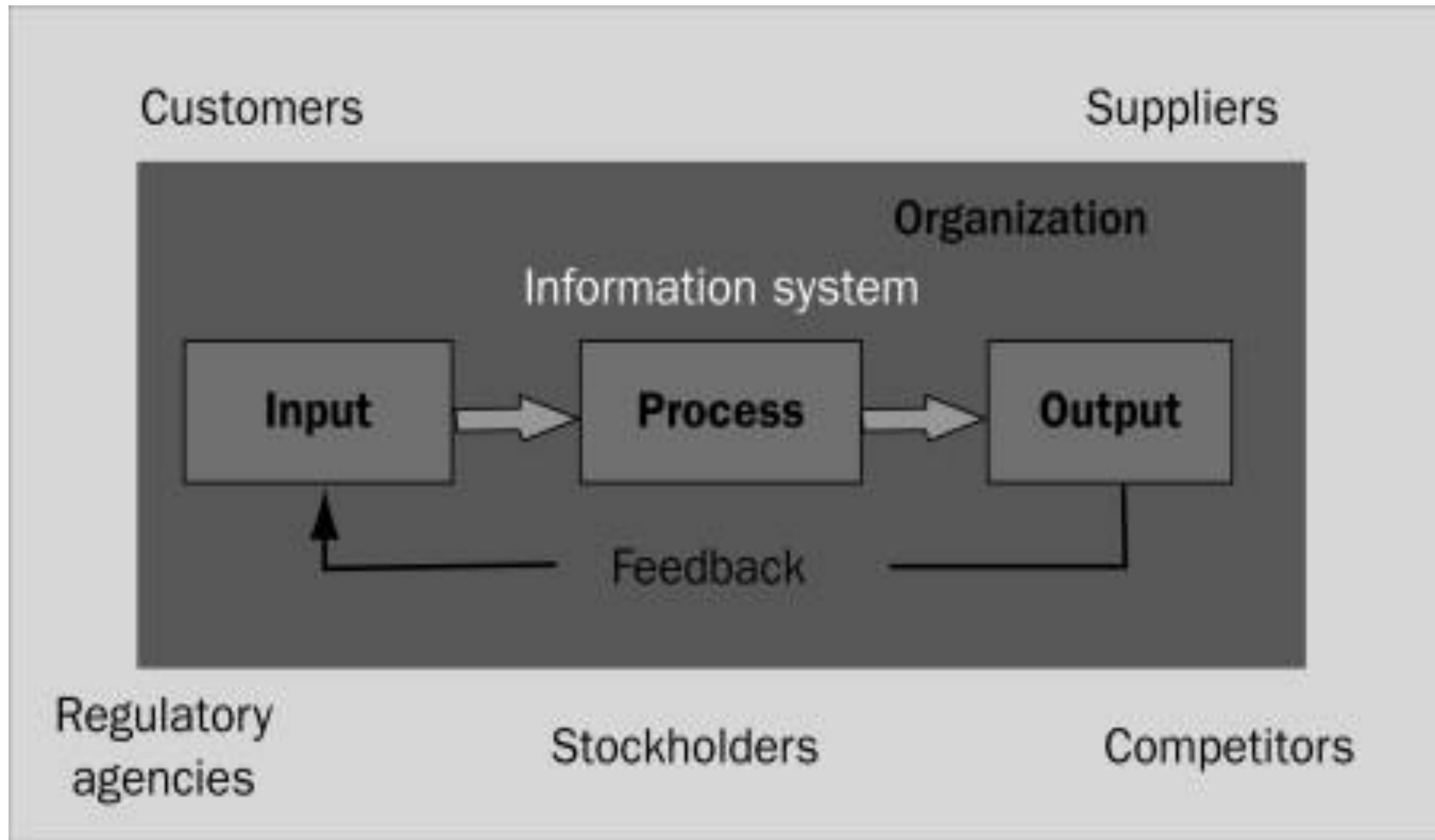
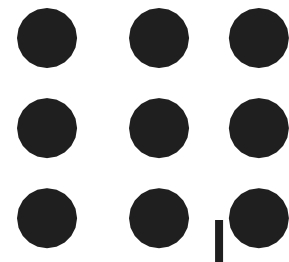




There are total six main elements of any computer based system. A computer based system may be the combination of all or some of these elements. They are described below:

1. **Software:** Software may be any computer program, data structure or any associated document to accomplish a required task.
2. **Hardware:** Hardware, element may be any electronic device like CPU, memory keyboard, VDU, IC etc.
3. **Human:** Human factor may be the user or operator of the system.
4. **Database:** A large, organized collection of information which is associated with the software and can be accessed through software.
5. **Documentation:** Report form manual or other descriptive material which describes the various tasks of the system.
6. **Procedures;** A method or a sequence of steps, to be followed which describes the specific use of each system element or the system itself.





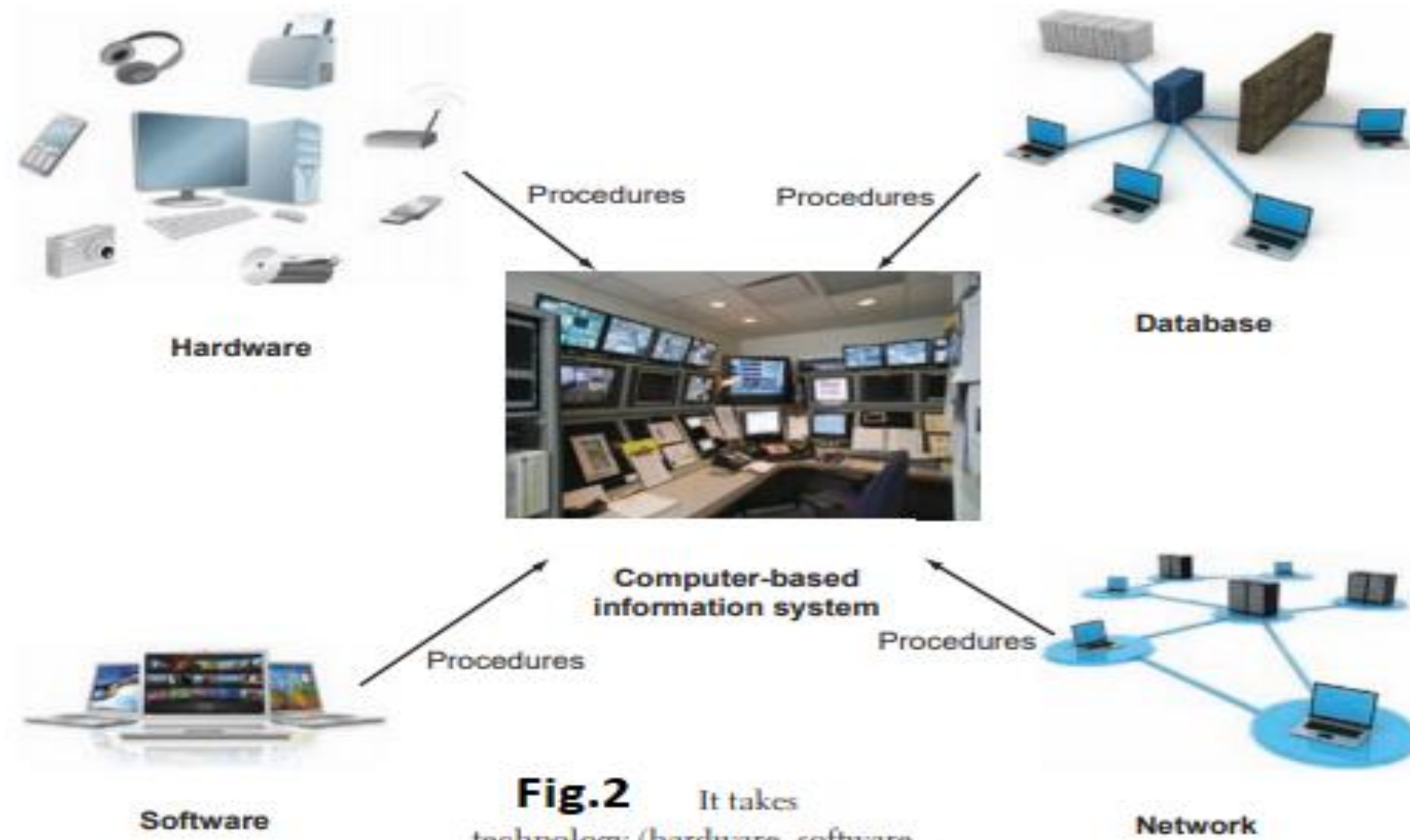


Fig.2 It takes technology (hardware, software, databases, and networks) with appropriate procedures to make a CBIS useful for people.



THANK YOU

