EVOLUTION OF INFORMATION MONDAY 25

what's? & An information system is a combination of processes, hardware, trained personnel, software, infrastructure and standards that are designed to create, modify, store, manage, and distribute information to suggest new business strattegies and new products. It leads to efficient work practices and effective communication to make better decisions in an organization. There has been a significant evolution of information System function over the fast ben decades. System can be summarized as TUESDAY 26 follows: follows: -

1) 1950-1960 (Electronic Data Processing) Transaction Processing System) -

Dwing this period, the role of 15 (infro Exptern) was mostly to perform activities like transaction processing, record keeping and accounting. Is was mainly used for electronic data processing (EDP).

EDP is described as the use of computers in recording, classifying, manipulating march 2019 and Summarizing data. It is

S M T W T F S also Called information processing

10 11 12 13 14 15 16 or automatic data processing,

10 11 12 13 14 15 16 or automatic data processing,

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FEBRUARY

27 WEDNESDAY Fransaction Processing System Test

Septem developed to process business data.

TPS was mainly aimed at clerical staff

an organisation. The early TPS used batch

processing data which was accumulated

processing data which was accumulated

processed afterward.

processed afterward.

TPS collects, stores, modifies

TPS collects, stores, modifies

and retrieves day-to-day transactions of an

organization. Usually, TPS computerize or auto
organization. Usually, manual process to allow

mate an emisting manual process to allow

for faster processing, improved customer

Service and reduced clerical Cests. service and reduced clerical costs. Examples of outputs from TPS are cash deposits automatic teller machine automatic teller machine and Week-09 accounting systems. TPS is also real-time processing. 2) 1960 - 1970 (Management Information Systems) from TPS to MIS. MIS process data ento esquel informative reports and provide managers with the tools to organize evaluate and efficiently manage departments within an organization. MIS delivers information February in the form of dishlars and had the test in sometiments. in the from of displays and pre-specified reports to support business decisionmaking. Examples of output from

MIS are cost trend, sales analysis and FRIDAY 01 production kerformance reporting week 09 01 systems.

Visually, MIS generates three basic types of information which are: -Detailed information reports typically confirmed transaction processing activities? A detailed order Report is an example of a detailed report. Summary information establishes data into a format that an individual can review quickly and easily. by filtering data that is an SATURDAY 02 exception inventory report.

Exception reports help managers same time because they do not have to search through a detailed report for exceptions. 1970 - 1980: (Decision Support System) was an introduction of the personal computers (PC). With the introduction of PCs, there heas the distribution of computing or SUNDAY 03

April 2019 processing poner across the organisation

S M T W T F S IS function associated strongly

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Leith management reather than a

technical above the control of the control technical approach in an organisation.

O4 | MONDAY The role focused on "interacting of monday to aid computer - based system" to aid decision - makers in solving problems.

This new note of information of provide interactive ad-hos systems (IS) to provide interactive ad-hos systems (IS) to provide interactive ad-hos systems (IS) to provide interactive ad-hos MARCH 04 MONDAY Systems (IS) to previole interactive ad-her Support for the decision-making process to managers and other business professional is called Decision Support Systems (DSS) is called Decision Support Systems (DSS) and operations level of an organization and operations level of an organization usually senior managlement.

Usually Senior managlement.

Internal and/or external sources. Internal internal and/or external sources. Internal Sources of data might include inventory.

Salls, manufacturing or financial data sales, manufacturing or financial date from an organization's database.

Of HUESDAY External Sources could include include of trends pricing, interest rates, population or trends. Managers use DSS to manipulate the data to help with decisions. Examples of DCC and I will decisions. DSS are projected revenue figures based on new product Sales assumptions, broduct pricing and risk analysis system. 1980 - lo · 1990: Executive Information Systems departmental computing due to many organisations purchasing their own March hardware and Software to suit 31 4 5 6 7 their defartmental needs. Instead 10 11 12 13 14 15 1 17 18 19 20 21 22 1 17 18 19 20 21 22 24 25 28 27 28 29 of waiting for indirect support

department, employées could use west 10 06 their own resources to support their job requirements. This trend led to new challenges data incompatibility; integrity and connectivity across different departments. tather, top executives were neither using DSS nor MIS hence executive information systems (EIS) or executive support systems (ESS) were developed.

EIS offers decision making facilities to executives through providing both internal and external information relevant to meeting the strategic goals of the organization. These are sometimes considered as a specific form of DSS.

Examples of the EIS are systems for THURSDAY 07

easy access to actions of all week-10

to support strategic planning and analysis
of business performance. 5) 1990-2000: Knowledge Management Systems — Dwing this era, the rapid growth of the intranets; extranets, internet and other interconnected global networks in business: It became possible to circulate April 2019 knowledge to different parts of the SMTWTFS World irrespective of time and 1 2 3 4 5 6 27 Space.

April 2019 knowledge to different parts of the world irrespective of time and 21 22 23 24 25 26 27 Space.

MARCH 08 FRIDAY This period also saw an 2011 Week 10 emergence of enterprise resource planning (ERP) systems. ERP is an planning (ER) systems of a strategic information - specific from of a strategic information system that incorporates all fix components of an organisation including manufacturing, sales, resource management human resource planning and marketing Moreover, there was a break of the analysis and property. through in the development and application of artificial intelligence (AI) techniques to business information systems. Expert systems (ES) and Knowledge management systems (KMS) interconnected to each other. Expert Systems (ES) are a 09 SATURDAY computer System that minics the decision - making ability of hunan experts. For example, Systems making financial fore casts, diagnosing human illnesses and scheduling routes for delivery vehicles. Knowledge management system (KM3) is an 17 system that stores and ocethicnes knowledge to support creation, organization and dissemination of business knowledge within the enterprise. Examples of SUNDAY 10 desk feedback database and help-ES uses data from March Knowledge Management Systems to SM TWT generale desirable information system's output for example 3 4 5 6 7 10 11 12 13 14 15 17 18 19 20 21 22 24 25 26 27 28 29

dean application approval system. FRIDAY | 1 6) 2000 - Present: - E - Business The internet & related technologies and applications changed the way business operate and people work. Information systems functions in this period are still the same just like 50 years ego doing records keeping, management, transactions processing management and managing processes of the organization. It is used to support business process, decision making and competitive advantage. arross similar and dissimilar system compo-nents. There is great network SATURDAY 16 intrastructure, higher level of Week-11 16 integration of functions across applications and powerful machines with higher capacity. Many businesses use internet technologies and neb-enable business processe to create innovative e- business applications. E-business is simply conducting business procesusing the internet.

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MARCH 18 MONDAY
Week-12
DECISION-Making Mis Concept de decision-making? Decision-making is a process that results in the selection of a course of action among several alternative scenarios. Decision-making is a daily activity for any human being. There is no exception about that. When it comes to business organizations, decicion-making is a habit and a process as well. 19 TUESDAY Effective & successful decisions

veek-12 vesult in profits, while unsucc
essful ones cause losses. Therefore, corporate
decision-making is the most critical process
in any organization.

The a decision-making process. possible alternatives. In the process of decision-making we may use many took techniques and perceptions. In addition me may make our oven private decisioni or may brefer a collective decision. Usually, decision-making is hard, Majority of corporate decisions involve some level of March March dissatisfaction or conflict with SM TWTFS another party. another party.

MARCH

22 | PRIDAY should be taken into consider the state of the sound of the problem in one of the state of the problem in hand. The state of the problem in hand. The state of the problem in hand. Brainstorm & Analyze the Slef(iv)list down all the ideas in the best option. Before the idea generation step, it is vital to understand the causes 23 | SATURDAY of the problem and pointilization of this, you can make use of Cause and check diagrams and parate Cause and effect diagrams and Parelo Chart tool. Cause - and - effect diagrams help you to identify all possible causes the problem and Pare to chart helps you to prioritize and identify the causes with the highest effect.

Then, you can mone on generating for the problem in hand.

2019 MARCH step, experience and effectiveness of the judgement principles come into play. You need to compare for their positives and negatives. each alternative Step VI(6) - Select the Best Alternative -Once you go through from Step 1 to Slep 5, this step is easy. In addition, the Selection of the best alternative is an informed decision since you have already followed a methodology to derine and select the best alternative. Step 7 - Execute the decision Convert your decision into a
plan or a sequence of activities. Execute
your plan by yourself or with TUESDAY
the help of subordinates.

Week-13 26 Step 8 - Evaluate the Results - Evaluate the outcome of your decision. See whether there is anything you should learn and then convert in future decision making. This is one of the best practices that hill improve your decision making skills.

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MARCH * Concepts of Balanced Mis effectiveness and efficiency Criteria both commonly used theriveness are terms. i) Efficiency seefers to doing things in a bright markner. It is defined as the putput to input ratio and focuses on getting the maximum output neith minimum seesowices.

28 THURSDAY Effectiveness, on the other sight things. It constantly measures it the actual output mosts the desired output.

Since efficiency is all day desired output.

Since efficiency is all about focusing on the process, importance is given to the means of doing things whereas effectiveness focuses on achieving the 'end' goal. (ii) Efficiency is concerned with the present state or the Status quo'. Thinking about the future and adding or march deleting any oresources might 31 4 9 6 7 disturb the current state of 17 18 18 28 27 28

2019 MARCH other hand, believes in meeting week 13 29 the end goal and therefore takes into consideration any variables that may charge in the future is required. This can build inflinibility into the system inflinibility into the system. Chard, keeps the long term strategy in mind and is thus more adaptated ble to the changing environment. iv) Since officiency is about doing things oright, it demands documentations and orepetition of the Same SATURDAY 30 steps. Doing the Same week 13 30 thing again and again in the same manner will certainly discourage innovation. On the other hand, effectiveness encourages innovation as it demands people to think the dibberent wave they can to think, the different ways they can meet the desired goal. Efficiency heill dook at avoiding mistakes or errors whereas effectiveness is about gaining SUNDAY 31 2019 Success.

01 monow In the earlier days of chicienty was the most important performance. APRIL indicator for any organizational However, with consumers fain However with consumers facing an increasing number of choices of an organization effectiveness of an organization is that always questioned. In order to be a successful organization there needs to be a balance there needs to be a balance setticient and that the sequirements of meeting the sequirements of the state cholders of the organization is of little use to any body. 02 TUESDAY SUMMARY. (1) Efficiency means doing the things oright whereas effectiveners is about doing the right things. Efficiency focuses on the process or means' whereas effectiveness focuses on the end. (3) Efficiency is restricted to the present State whereas effectiveness involves thinking long term. 4) Organizations have to be both April
effective and efficient
in order to be successful > 14
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