



How to use basic concepts of decision making?

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2023



The study material was created within the project Challenge-Oriented Collaborative Online Communities in the Paradigm of Sustainable City (Project No: 2021-1-LT01-KA220-HED-000023277)

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DECISION MAKING

Decision making is a process of choosing among alternative courses of action for the purpose of attaining a goal.

Reference

TURBAN, E., ARONSON J. E., LIANG T.-P. 2004. *Decision Support Systems and Intelligent Systems*. 7th Ed. Prentice Hall, Upper Saddle River, NJ, ISBN 0-13-046106-7.

DECISION MAKER

Decision maker is an individual or group who is dissatisfied with some existing situation or with the prospect of a future situation and who possesses the desire and authority to initiate actions designed to alter the situation.

Reference

GASS, S. I., HARRIS, C. M. (Editor). 2001. *Encyclopedia of Operations Research and Management Science*. 2nd Ed. Kluwer Academic Publishers, 960 pp. ISBN -07923-7827-X.

DECISION MAKING PROCESS

The decision making process is the method of gathering information, assessing alternatives, and, ultimately, making a final choice.

Reference

LAOYAN, S. 2022. *7 important steps in the decision making process*. [online]. [cit. 2023-02-20]. Available from: <https://asana.com/resources/decision-making-process>

PHASES OF DECISION MAKING

Simon's model defines four phases (activities) of decision-making process: Intelligence phase, Design phase, Choice phase and Implementation phase.

Reference

TURBAN, E., ARONSON J. E., LIANG T.-P. 2004. *Decision Support Systems and Intelligent Systems*. 7th Ed. Prentice Hall, Upper Saddle River, NJ, ISBN 0-13-046106-7.

SYSTEM

A system is a related elements organized to achieve a purpose.

Reference

GASS, S. I., HARRIS, C. M. (Editor). 2001. *Encyclopedia of Operations Research and Management Science*. 2nd Ed. Kluwer Academic Publishers, 960 pp. ISBN -07923-7827-X.

A group of elements or parts that are organized and interrelated in a pattern of structures that design a specific set of behaviors, often classified as its function or purpose.

Reference

IGI Global. 2023. What is System? [online]. [cit. 2023-02-20]. Available from: <https://www.igi-global.com/dictionary/brief-introduction-sociotechnical-systems/29038>

A system is a collection of elements or components that are organized for a common purpose. The word sometimes describes the organization or plan itself (and is similar in meaning to method, as in 'I have my own little system') and sometimes describes the parts in the system (as in 'computer system').

Reference

TechTarget Network. 2023. *Definition system*. [online]. [cit. 2023-02-20]. Available from: <https://www.techtarget.com/searchwindowsserver/definition/system>