



Writing module : Digital Skills and Research Methods

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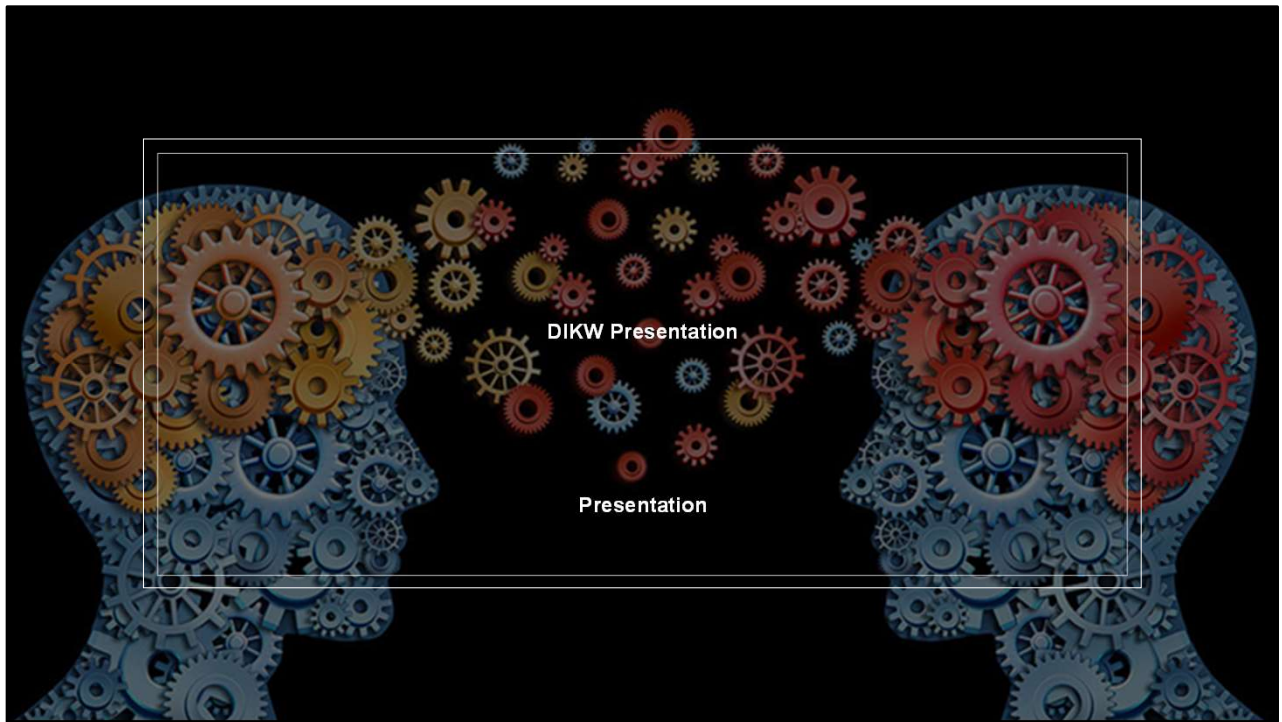
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Introduction

- DIKW is one of the most important learning models to assist the students in understanding the factors.
- It will also introduce the concept of Grit efficiently.

It is important for the students to acknowledge the study factors that can be handled with the help of the DIKW study model that will assist the students to manage the knowledge and establish efficient research distinctively. On the other hand, Grit is able to understand perseverance and self-control within the achievement of the student.

DIKW –Research Method

- DIKW model is considered one of the popular knowledge management models that is used for data value extraction. This is explained in a pyramidal shape presenting data, information, knowledge, and wisdom in four different stages of the pyramid.



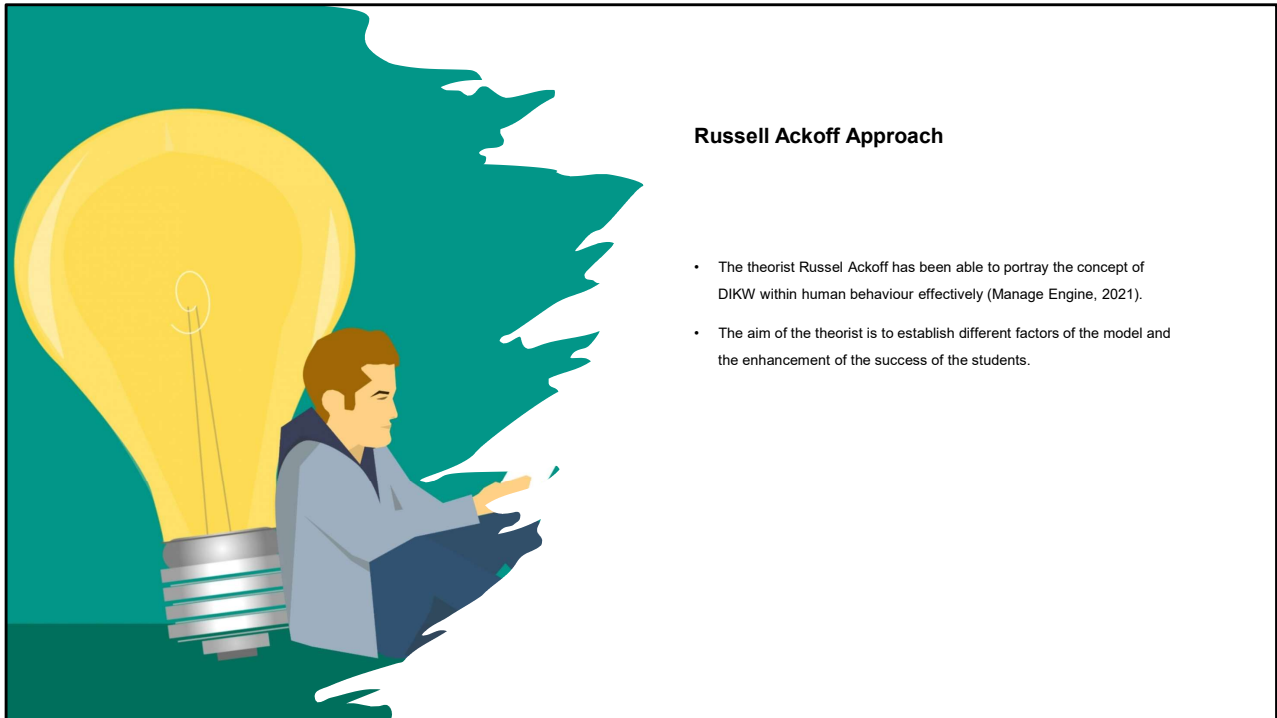
DIKW is regarded as the hierarchical portrayal of the importance of data within the academic and other respective contexts distinctively (Bellinger *et al.*, 2021). The hierarchical process has shown that knowledge is the most important component of individuals to acknowledge the factors effectively. It is also seen that without knowledge the value of information and data that have no further significance within the organisational world will be enhanced distinctively. Wisdom is regarded as the elusive concept based on the judgemental power of human beings particularly. The knowledge comes over the information as without the knowledge information is not able to perform its objectives particularly (Part *et al.*, 2020). This learning model is able to enhance the psychology of GRIT that will foster the success rate of the students particularly.

Data- Data in the DIKW model relates to the transaction processing system that helps to assess any subject or fact in a more effective way.

Information- Information in the DIKW model is inclined to the information management system of associating fact or incident or that of the organization (Pertiwi, and Hakim, 2018).

Knowledge- Knowledge deals with the decision support system that with effective evaluation helps to incline proper decisions (Yang et al. 2019).

Wisdom- Wisdom is associated with the expert system that is one of the effective decision-making stages (Pertiwi, and Hakim, 2018).

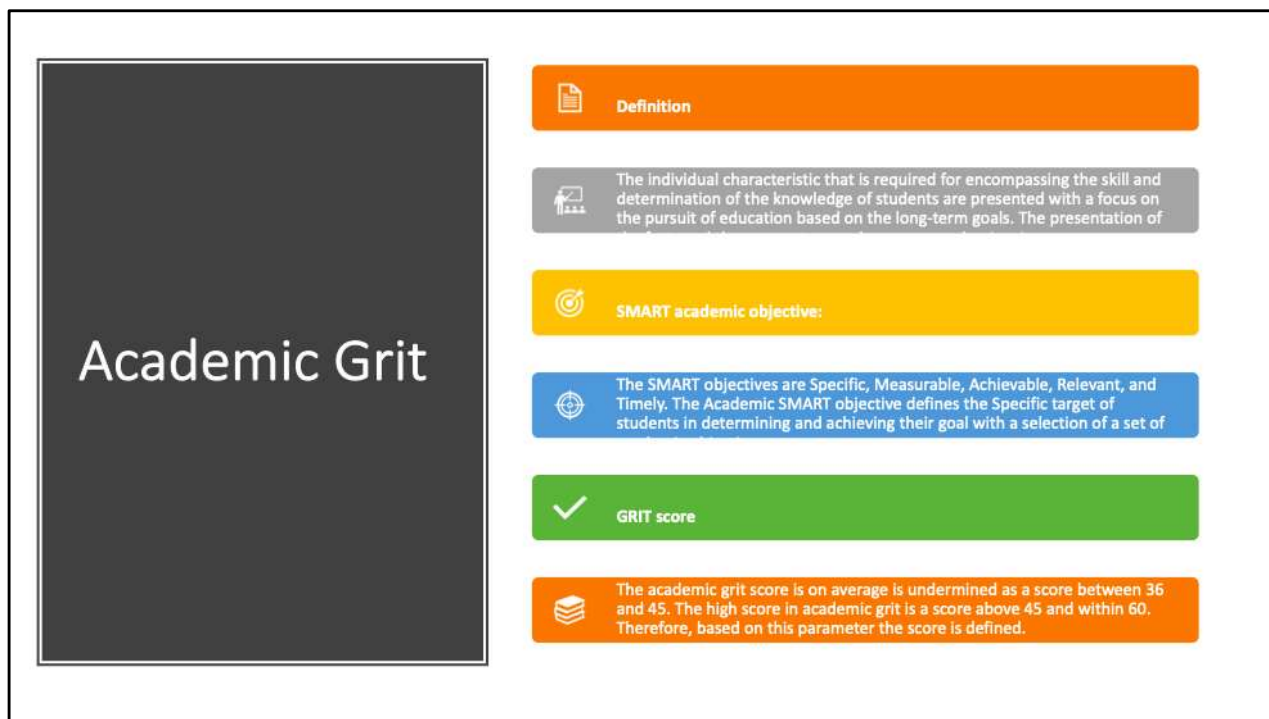


Russell Ackoff Approach

- The theorist Russel Ackoff has been able to portray the concept of DIKW within human behaviour effectively (Manage Engine, 2021).
- The aim of the theorist is to establish different factors of the model and the enhancement of the success of the students.

The approach of Russel Ackoff is able to enhance the potentiality in the field management operation research, management science, and system decision-making process effectively. DIKW is presented as the structure of pyramids and it has portrayed the behaviour of the consumers and human beings in the organisational world distinctively. Each of these steps is associated with the succession of the students in the competitive world distinctively. These steps are able to enhance the growth rate of the students to upgrade the skills of the students in the organisational world effectively (Intezari *et al.*, 2016). This approach is also able to interlink these factors with each other and the values of these factors significantly. As an example, it can be mentioned that the report and related data does not create any impact on individuals. The information regarding this report and result will be provided to the students but they will not be able to maintain a pace and cannot create a significant focus on accomplishing the matter in front of their mentors particularly. While the

students are provided with the topic they are able to analyse the results of the report through knowledge effectively. After this, the analysis of the result and gathered information along with the results will establish decisions with the help of wisdom. Here, when the student can impose their concern in understanding the topic rather than going in further data and results of the report distinctively (Fricke, 2019).



The way of following a general academic pattern in recording the skill and key development area of students in a certain manner is known as academic grit (Hodge et al. 2018). Academic grit can also be defined as the skill or individual characteristics resilience, determination as well as concentrate in pursuit of issuing long-term objectives within educational domain. Academic grit is important because it helps properly assessing and determining the relevant skill, key omnipotence of students and make evaluations out of that (Clark and Malecki, 2019). Grit is also vital due to this is the driver of the success and achievement, independent beyond and of what the intelligence and talent contribute. Without the grit, the talent should be nothing more compared to the unmet potential (Calo *et al.*, 2019). This is normally with the effort which talent becomes the skill which leads toward success. It acts as the predictor of the success and for an individual academic grit defined as the perseverance and passion for the long-term objectives. The calculation is made up on

the basis of average grit score on each academic level. For example, on the excel sheet in academic level '1' the respective grit scores are 3.8, 3.6 and 3.6 and their average grit score is 3.66666. Like this, academic level of '2', '3', '4' and '5', average grit scores have been calculated. After that average of the average grit, scores are calculated and the outcome showed 3.86 (Usher et al. 2019).

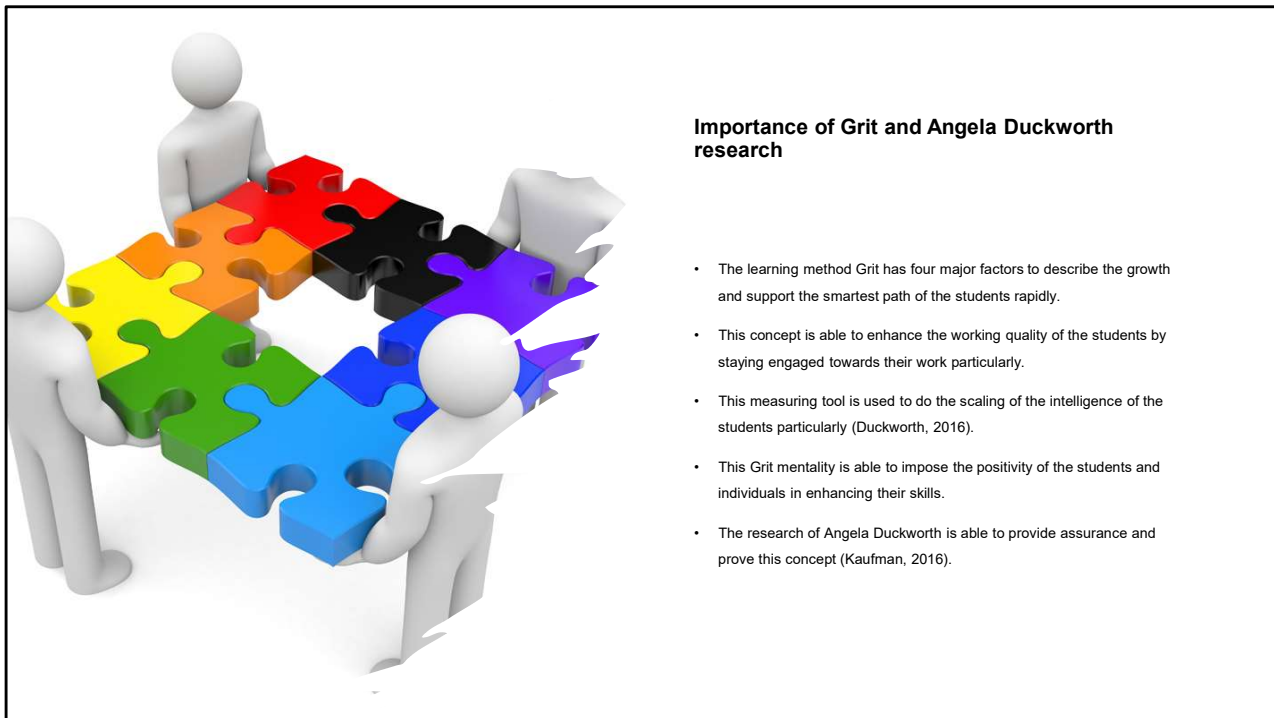


Angela Duckworth Research

- Angela Duckworth is renowned as the research psychologist who has been able to introduce the concept of Grit to individuals.
- She had made research on children as well as adults in various situations effectively.
- The students who are able to establish effective performances are not so smart in nature and also vice-versa can happen efficiently (Kaufman, 2016).

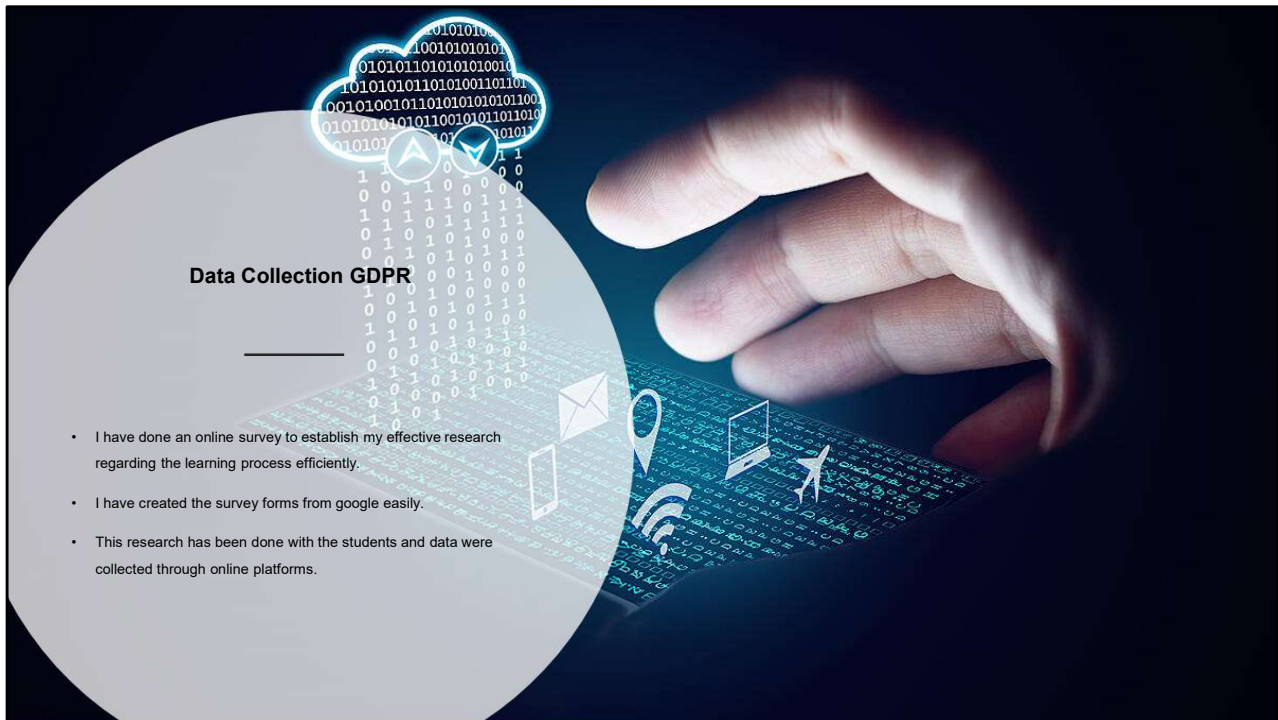
Grit is regarded as one of the most important ideas in the academic context, particularly that can assist people to upgrade their skills in the competitive world significantly. Angela Duckworth is the psychologist who introduced the concept of Grit within the learning process. It is an essential debate among the mentors and students of the University that what matters is very important to become smart or to become a good performer in the competitive environment particularly (James Clear, 2021). This psychologist has established significant research on adults as well as children regarding their knowledge and the best way for establishing work in the organisational world effectively. This problem has a significant argumentative tone among the students as well as mentors because it is observed that most of the mentors provide the highest preference to the performance quality of the students in the academic field efficiently. However, in the organisational world, it is noticed that people who have the smartest idea for establishing the work within the organisation can enhance the

potentiality of the students to confront the problems effectively. Moreover, this research of Angela Duckworth is able to establish efficient research results within society that has portrayed that better-performing students cannot be smart students and vice versa can also be established particularly. She had accomplished a distinctive overview on the study of West Point Military significantly and she had generated the question for every individual that “Who is best in the learning process and why?” From the part of the repliers, it is concluded that the students who are able to impose innovative ideas for accomplishing their work will be able to resolve all the problems and from there the concept of Grit got highlighted particularly (Duckworth, 2016).

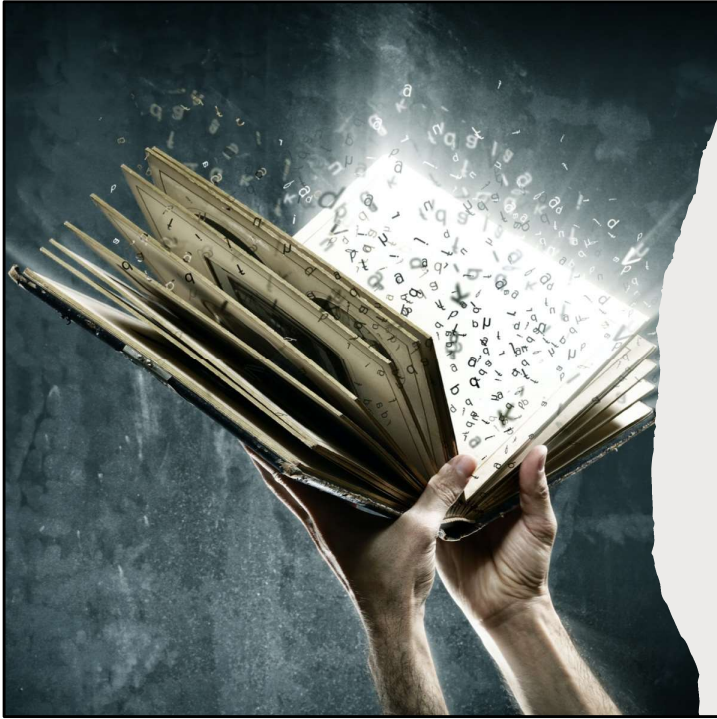


Grit is an innovative idea for the students to help them in identifying the best way in their pathway for fostering the success rate rapidly as well as to mitigate the action level efficiently. It also supports the students to adopt preferable ways for accomplishing the growth rate of the students in the competitive world distinctively. The engagement rate of the students can increase the quality of their performances within the organisational world so that they are able to stay competitive. The positivity of the students can enhance the competitive advantages of the students particularly (Angela, 2016). Grit is a framework that is able to measure the intelligence of the students in completing their tasks in an innovative way rather than increasing the grade level in the annual report significantly. The method Grit has four parts that can contribute to the focusing factor of the students in the competitive environment so that they will not face any kind of consequences distinctively. The first one is able to make the students focused on the growth rate in their professional lives by implementing

smarter ways within their activities particularly. This method has become known to the students with the help of the research process of Angela Duckworth significantly. People have trusted and analysed the intelligence of the students on the basis of the quality of the annual report of the students distinctively. The intelligence of the students relies on the selection of ways to accomplish the tasks in an efficient way particularly. It also helps the students to maintain resilience to adopt adversity and adopt a significant goal for themselves so that they can enhance their knowledge. Lastly, tenacity portrays never backing off the attitude of individuals particularly (Kaufman, 2016).



The primary research method is always my most effective data gathering data as it can provide authentic data to the researchers like me so that I can impose my decisions effectively. In recent times going door to door physically and taking the survey regarding the learning processes and the concept of Grit distinctively (Voigt and Von dem Bussche, 2017). Thus, I have chosen online platforms to gather information about the concept through a survey. I have created the survey with the help of google forms and circulated it over online platforms effectively. The students are required to mark the answers through online platforms so that I can gather information regarding the concept of Grit distinctively. There are basically major consecutive stages to generate a google form for the survey where I had asked 5 questions from 15 participants effectively.



Conclusion

- Grit is the most efficient process that can enhance positivity among individuals effectively.
- My survey research has been able to bring out the fame of this method particularly.

This presentation has been able to produce effective processes that can foster positivity among the students so that they can become engaged in their tasks. This process is able to increase the potentiality of individuals particularly. I have done the research method to evaluate the effectiveness of this idea among the students.

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