GRANT 1 ANNOUNCEMENT

JMCER GRANT on:
Data Pattern Recognition and Dis/Misinformation

Grant Number: JMCER-GN-DATA001
Research Field: Computer Science/ Computer Engineering/ Information Technology
Application Deadline: 10/1/2023
Grant Period: 6 months
Contact Email: grants@jmcer.org
Mobile Number: +964 780 6655710

The Journal of Modern Computing and Engineering Research (JMCER) that is sponsored by Qaf Lab is pleased to announce a research grant to be exclusively used for conducting extensive research in *Data Pattern Recognition in the field of Dis/misinformation* on social networks data. Researchers of computer science and its subdisciplines (machine learning, deep learning, data scientists, etc.) are welcome to apply for this grant. The grant fund should be used considering the budget included in your proposal.

Description:

With the advent of social networks, the amount of data generated by these networks has significantly increased. This data reflects the discussions and interactions among people. Understanding the patterns embedded in the data can help us understand social phenomena in our communities. As one of the science fields that deal with this topic is Data Pattern Recognition, which is the use of AI algorithms to identify patterns in data. It classifies data based on statistical information or knowledge gained from patterns and their representation. It can also extract unseen patterns and behaviors from data. These techniques can be used in discovering unusual behavior of data that can be utilized in distinguishing fake news and dis/misinformation.

This specific topic is crucial due to its impact on our social settings and communities. Spreading dis/misinformation may lead to many kinds of risks that can have a significant impact on lives, people's behavior, crime rate, business, and economics, to mention but a few. For instance, spreading wrong information about a particular cure or medicine for a disease may lead to losing

lives. The main focus of this grant is to find researchers who are interested and experienced in this field of research aiming to extract some patterns from social networks' public data such as Twitter and Facebook.

Eligibility Criteria:

- Experience in data analysis and data visualization.
- Strong background in social network concepts, terms, contexts, etc.
- Strong academic skills and ability to publish the outcomes in the JMCER journal.
- We encourage motivated postgraduate students (male/female) and people with special needs to apply for this grant.
- Strong reading, listening, and writing skills in English and Arabic.
- The academic reputation of the applicants who submit the proposal.

Responsibilities:

- Provide weekly progress reports.
- Expect to present the progress of the work at least once a month.
- Managing the grant according to the proposal submitted.

Your Submission:

Please, write your proposal according to the following structure:

- The front page should include the title of the proposal and the names of the research team (if any) the next page should include the biography of the team including a brief description of each member with links to their profiles (if any) on Google Scholar/ LinkedIn/ResearchGate/Publons/ etc.
- The rest of the document should include the following sections:
  o Research Title
  o Summary of the proposal
  o Research Method

o Contribution: What is the main contribution that differentiates your work from others?

o Expected Results (if any)

o Timetable: it includes the schedule of each step of the work. This should take no longer than 6 months.

o Detailed Budget: please describe each item you need to perform the research on.

o Resources Required: describe all resources you need to conduct the research (access to social media data, analysis tools, human experts, etc.)

o Work Environment: you should describe the workplace that you will utilize (e.g., lab, home, or another place).

o Negotiable Parts: this section includes the parts of your proposal's budget that are negotiable.

The document should end with the name and signature of the researcher or the head of the research team.

Applications can be submitted to (grants@jmcer.org) by (10/1/2023).