DATATHON

DATA ANALYTICS COMPETITION

COLLEGE OF DEFENCE MANAGEMENT

SARDAR PATEL BLOCK

Data to Decisions : Subjectivity to Objectivity

Faculty of Decision Sciences

College of Defence Management

Genesis

The military is constantly facing new challenges and evolving threats. Data analytics can be used to improve the accuracy & effectiveness of military intelligence, by identifying trends in enemy activity and helping to predict future actions. With Data proliferation, it is more important than ever to have skilled personnel who can analyse this data. Data analytics can have a significant impact on military decision-making by providing military leaders with insights and information that can improve their decisions..

Aim

To proliferate the culture of decision-making based on data analytics and to identify effective ways of analysing data to improve the accuracy and speed of decision-making.

Datathon Objectives

To enable data driven decisions through predictive and prescriptive analysis
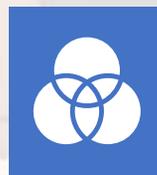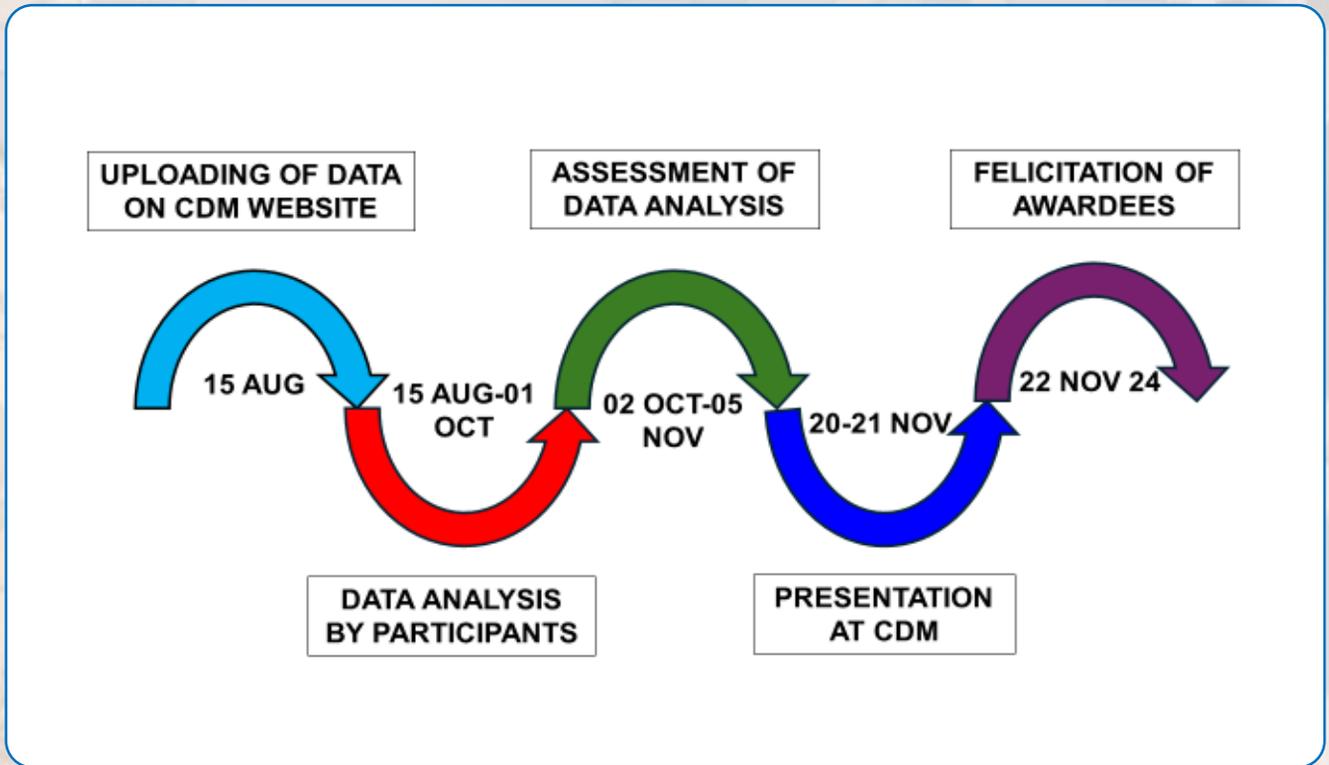
To infuse data centric culture across all Services

To empower military commanders and staff in field formations

To offer better & deeper operational and administrative insights based on data

Timeline of Conduct

| UPLOADING OF DATA ON CDM WEBSITE | ASSESSMENT OF DATA ANALYSIS | FELICITATION OF AWARDEES |

15 AUG 15 AUG-01 OCT 02 OCT-05 NOV 20-21 NOV 22 NOV 24

| DATA ANALYSIS BY PARTICIPANTS | PRESENTATION AT CDM |

Scope

PHASE I

Participants will be given a theme and a set of data to analyse to get maximum insights & recommendations as part of the analysis.

PHASE II

Evaluation by a panel of experts at CDM and select 10 participants to present their analytics at college.

MODALITIES OF CONDUCT

- Datasets under relevant themes to be uploaded on CDM website.
- Participants at liberty to use other relevant datasets as per theme.
- Participants to forward their analysis on datathon.ids@gov.in.
- Evaluation by external assessment team to select 10 participants.
- Select participants to present their data analytics to panel of experts.
- Felicitation by eminent personality in 27 Nov 24.

PARTICIPATION

- Open to all serving officers of Armed Forces.

A Glimpse

DATA ANALYTICS : KEY TO DECISION MAKING & OPERATIONAL EFFICIENCY

• The College of Defence Management has been at the forefront of driving data to decision by inculcating data culture and IT competencies in mid-level Armed Forces Officers for the past several years. Sound and effective decisions, supported by reliable data, usually determine military operational success. Recent rapid advances in electronic instrumentation, military sensors and platforms, digital storage, and communication systems across militaries has led to generation of large amounts of data. This deluge of digitized information provide commanders and their staffs innumerable data analytics opportunities to extract hidden patterns in a wide diversity of situations and aid them, especially, in asking relevant questions, developing plans, and making decisions.

• The inaugural Datathon Competition was conducted by the CDM in 2023 which was well received by the environment. Realising the potential of Data Analytics, College of Defence Management has sponsored Data Analytics Competition as a proof of concept of how data analytics and visualisation tools can offer newer operational and administrative insights based on data available in open domain. Subsequently, such projects on data driven decision support dashboards on operational and internal security matters can be taken up at unit/formation levels.

• Apparent to all of us, we in the Armed Forces, have not fully realised the strategic value of data. Data is still residing in silos and data parochialism is rampant. Decisions are primarily based on experience, precedents and gut feeling. Data analysis, if any, is of descriptive nature at best, otherwise mostly superficial. As a result, daily large volume of data is lost or forgotten.

• Considering the need of the hour to infuse a data centric culture, College of Defence Management had mooted the idea of Data Analytics Competition. Such a competition will be organized with a sole objective of paving the way for not only diagnostic but also predictive and prescriptive data analysis. The overall effort and focus being to aid military commanders and staff in asking relevant questions, developing solutions and make data based decisions.

The Drivers

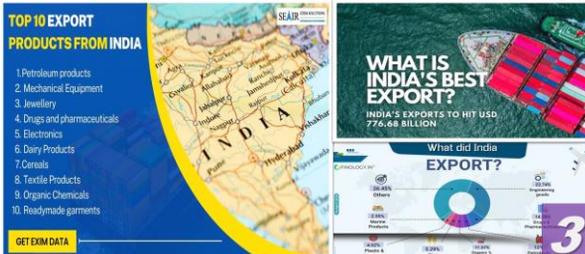# Themes : Data Analytics

WAR OF 21st CENTURY
ISRAEL HAMAS WAR

1

DECRYPTING THE BUZZ
CHINA-TAIWAN DYNAMICS

2

NAVIGATING INDIA'S TRADE HORIZON
DECIPHERING INDIAN IMPORT-EXPORT

TOP 10 EXPORT PRODUCTS FROM INDIA
1. Petroleum products
2. Mechanical Equipment
3. Jewellery
4. Drugs and pharmaceuticals
5. Electronics
6. Dairy Products
7. Cereals
8. Textile Products
9. Organic Chemicals
10. Readymade garments

GET EXIM DATA

WHAT IS INDIA'S BEST EXPORT?
INDIA'S EXPORTS TO HIT USD 776.68 BILLION

What did India EXPORT?

3

DESIGNING DIETARY PREFERENCES FOR ARMED FORCES
INDIA'S HOUSEHOLD CONSUMPTION

MENU 14
CREAMY SPINA
FETTUCCINE

BUSINESS INSIDER | BOOT CAMP

4

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