

**Smarter Philippines Through  
Data Analytics, R&D, Training  
and Adoption (SPARTA)  
project through a grant  
provided by the Department  
of Science and Technology  
(DOST)**

# Programs

## Data Associate

- Sources, Processes, Analyzes data and Provide to explain insights. Data associates develop and prepare repeatable reporting that highlights relevant trends and other significant results they deuce. They may also provide some basic commentaries on observable trends and patterns, that may help senior analysts and managers easily identify opportunities for follow-up in-depth analysis for actionable insights. No prior work experience or domain knowledge is required of date associates

## Data Steward

- The gatekeeper of data, are responsible for ensuring that an organization's data is well-defined, managed, and ready to use for downstream reporting, analytics, modeling, or even artificial intelligence (AI) use cases. They are also in-charge of overall data governance, with the major task of working across the organization to control and improve data quality, oversee data technology and infrastructure, and ensure data acquisition, usage, maintenance, access, and security comply with policies, rules, regulations, and ethical practice.

## Data Analyst

- Leverages reporting, data analysis, and modelling techniques to solve problems and gather insight across functional domains. Data analysts are concerned with business implications of data and actions that should result from them. They analyze data and assess requirements from a business perspective related to an organization's overall system. They also summarize facts and creates a story out of data, upon which these facts and stories become input for decision-making or a flag for a deep-dive analysis or statistical follow-up. They require prior work experience or domain expertise to become a link between IT, data specialists, and the business stakeholders.

# Programs

## Data Engineer

- Builds and manages data workflows, pipelines, ETL processes, and platforms. Data engineers are mainly responsible for management of the entire data lifecycle: ingestion, processing, surfacing, and storage. They leverage their in-depth knowledge of programming, databases, data warehousing, ETL, and data architecture and pipelining, to use complex tools and techniques to handle data at scale. They also deploy machine learning and statistical models in production. This requires data engineers to understand analytics and business intelligence, together with various frameworks and technologies.

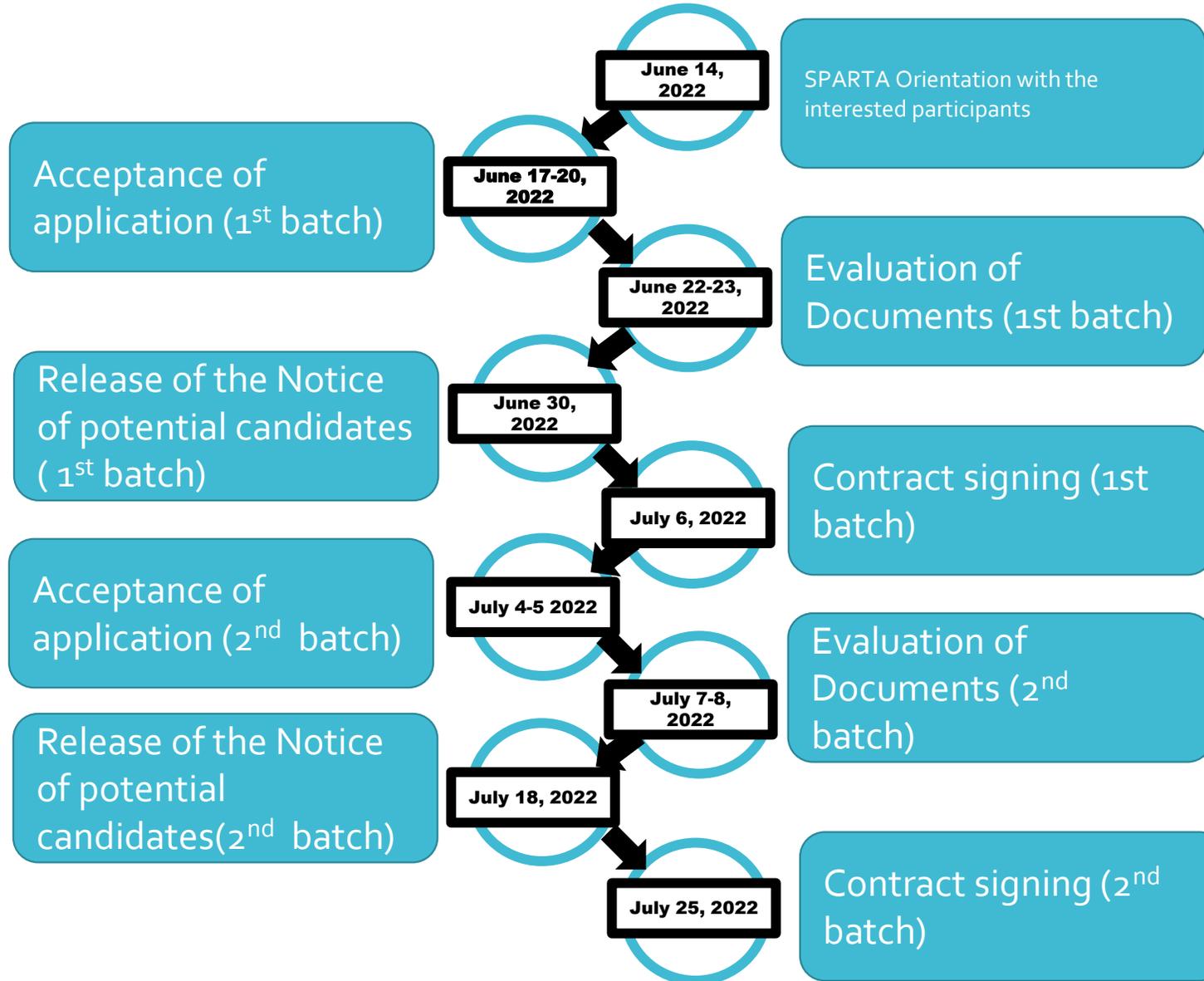
## Analytic Manager

- Oversees analytical operations and communicate insights to executives. Analytics managers translate analytical results to actionable business items. Their role is to drive business outcomes, bridging technical expertise from steward, engineer, scientist and analyst with the operational expertise of the business functions. They can be individuals who manage a team of data science and analytics specialists, or functional managers or leaders who make data-driven decisions.

## Data Scientist

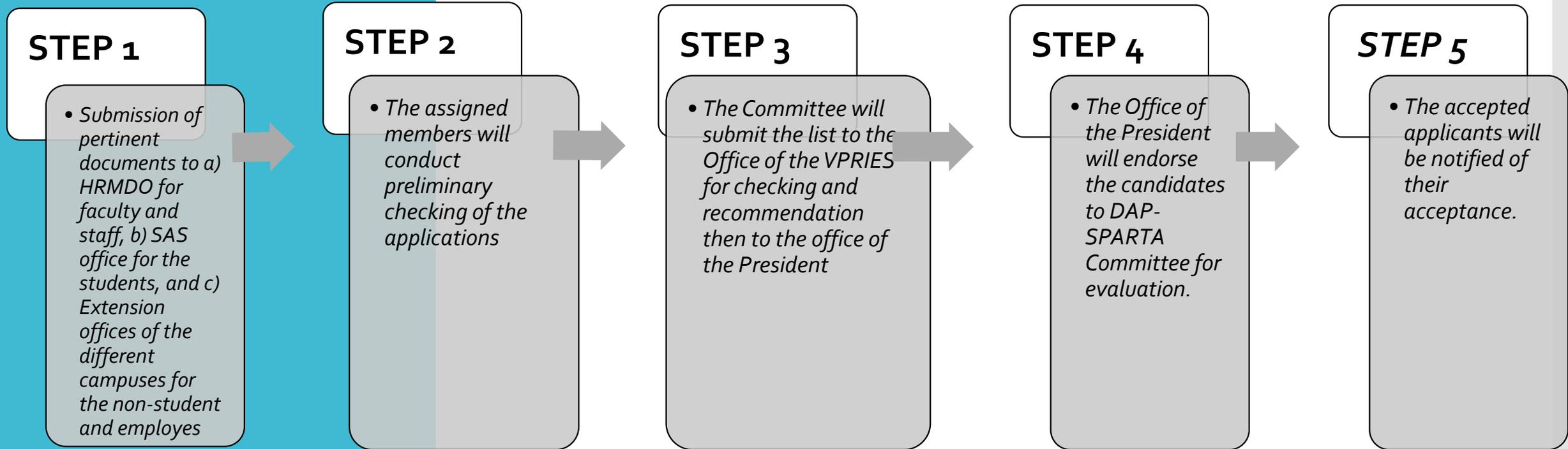
- is a specialist who applies their expertise in statistics and building machine learning models, enriched with programming, to make predictions and answer key business questions

**ROADMAP FOR  
SPARTA  
APPLICATION**



# SPARTA Scholarship requirements and guidelines :

The SPARTA Scholarship Program is one of the benefits of the partnership between SLSU and SPARTA. SLSU is required to nominate 300 applicants for the scholarship program to actively participate and complete their chosen program.



# Document Requirements (Proof of Education)

## Guidelines:

- Must be a FILIPINO citizen
- Below 50 years old
- At least be senior high school student (for students)
- At least 85% GPA in the previous school year or semester (for students)
- with or without prior knowledge on data science
- return service (for employees)

