	<b>TENDER SCOPE OF WORK</b>  <b>Group Information Technology</b>	<b>Template Identifier</b>	240-IT042	<b>Rev</b>	1
		<b>Effective Date</b>	April 2023		
		<b>Review Date</b>	April 2028		

<b>Description of Request</b>	Provision of professional services by a Senior Data Scientist for a period of 18 months.
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## 1. High level background

Eskom established a Data Analytics Centre of Excellence to assist Eskom in improving operational performance and efficiency. The business imperative currently necessitates to capacitate the team with specific skills to compliment and augment the current capacity. There are immediate needs to modernise the current technology and take advantage of various developments in the field of data science. Eskom Line of Business show appetite and desire to use Artificial Intelligence to solve business problems. Within the organisation there is a need to provide foundations through methods and architecture principles to enable a data-driven culture and decision making.

## 2. Scope of work/Business requirements

### 2.1. Description and volumes of the product/service requested:


We require Professional Services of a Senior Data Scientist for a period of eighteen (18) months deployed on a full-time basis to the Data Analytics Centre of Excellence. The total hours for the duration of the contract will be approximately 3120 hours.

The scope of work will include but not limited to:

- Design and build data fabric for Eskom.
- Data Engineering for data analytics projects.
- Identify use cases tools/ software for big data and pilot them.
- Data Visualisation through Power BI.
- Machine Learning use cases.
- Robotic Process Automation.
- Solution documentation and knowledge base.
- Guidance on the latest trends in the Data Science field.

### 2.2. Training/Transfer of skills:

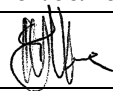
The project requires the transfer of skills and knowledge, which will be facilitated through training and mentoring of staff. Amongst other mentoring methods, the service provider should include internal resource during all phases of the project or initiative.

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### 3. Service Level Agreement requirements

- Provide an Implementation plan or approach for Data Fabric and Machine Learning in the first four (4) months after the Senior Data Scientist has been onboarded.
- Determine the initial use case/s for Big Data or Machine Learning within the first three (3) months after the Senior Data Scientist has been onboarded.
- Build and pilot the identified use case/s for machine learning within the first six (6) to nine (9) months after the Senior Data Scientist has been onboarded.
- Build and pilot the identified use case/s for Big Data within the first twelve (12) months after the Senior Data Scientist has been onboarded.
- Identify further use case/s for Big Data or Machine Learning within the twelve (12) months after the Senior Data Scientist has been onboarded.
- Build and pilot the additional use case/s for Big Data and Machine Learning within the first sixteen (16) months after the Senior Data Scientist has been onboarded.
- Conduct weekly sessions for training and knowledge transfer.
- Include internal staff in all phases of the project.
- Build Knowledge Base for all initiatives.
- Work a minimum of 5 Days per week on an office/work-from-home hybrid model.

### 4. Approvals:

<b>End user / requestor:</b>	<b>Name:</b>	Thapelo Motlhabane
	<b>Designation:</b>	Middle Manger Support Serv(Acting)
	<b>Date:</b>	04/06/2024
	<b>Signature:</b>	
<b>Senior Manager:</b>	<b>Name:</b>	Anthenia Phuku
	<b>Designation:</b>	Senior Manager BSDS
	<b>Date:</b>	12/06/2024
	<b>Signature:</b>	