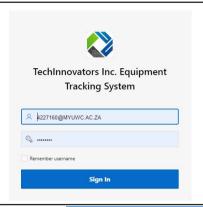
TechInnovators Inc. Equipment Tracking System 2024



User Manuals and Guides: End User Documentation

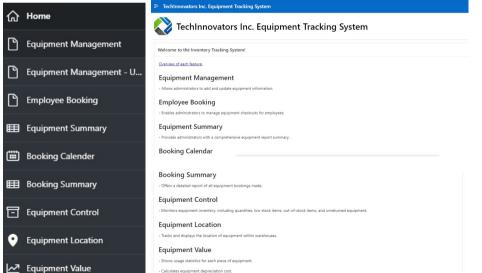
ORACLE APEX APPLICATION (ADMIN)





STEP 1:

Sign In : Workspace IFS354_IND_ASSIGNMENT Password - 1234567!

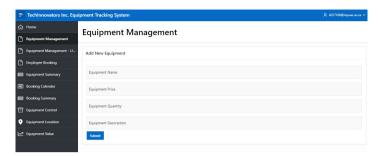


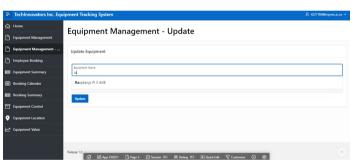
- Highlights the top 5 most expensive pieces of equipment.

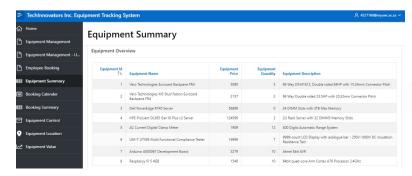


Home Page

- · Overview of features
- Navigation Bar





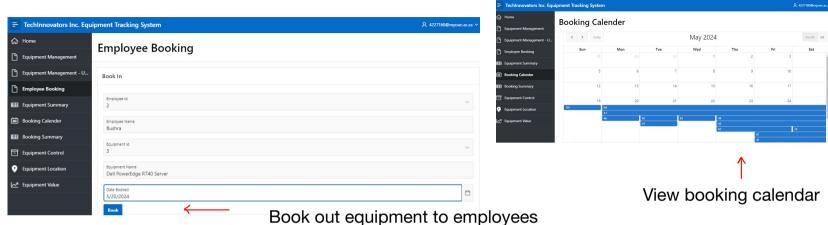


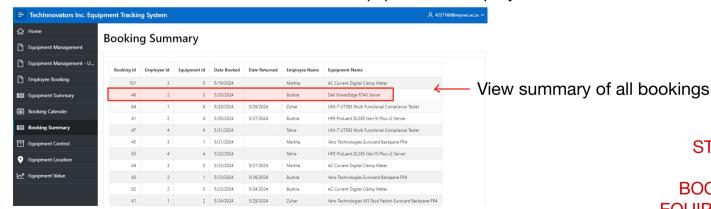


Add new equipment

Update existing equipment

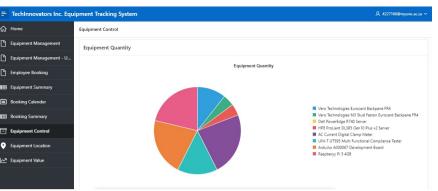






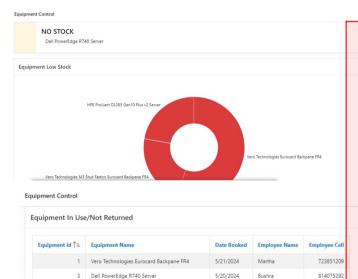
STEP 3:

BOOK OUT
EQUIPMENT TO
EMPLOYEES



CONTROL EQUIPMENT

- View of Equipment Quantity
- No stock and low stock views
- Equipment not returned



5/22/2024

5/19/2024

5/31/2024

5/21/2024

5/30/2024

Martha

633037745

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4 HPE ProLiant DL385 Gen10 Plus v2 Server

6 UNI-T UT593 Multi Functional Compliance Tester

5 AC Current Digital Clamp Meter

5 AC Current Digital Clamp Meter

8 Raspberyy Pi 5 4GB

Employee Booking

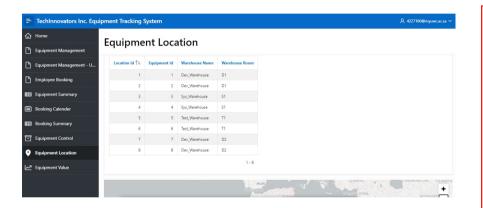
Rooking Calender

Booking Summary

✓ Equipment Value

- 1. Inventory Management: Understanding the current quantity of each equipment item helps in efficient inventory management. It allows TechInnovators to plan procurement and replenishment activities effectively, ensuring that they have the necessary equipment available when needed.
- 2. Resource Allocation: By tracking equipment quantities, organizations can allocate resources appropriately. They can identify which equipment items are in high demand and prioritize their allocation accordingly, optimizing resource utilization.
- 3. Preventing Stockouts: Knowing when equipment quantities are low or when items are out of stock enables TI to take proactive measures to prevent stockouts. This ensures that operations are not disrupted due to the unavailability of essential equipment.
- 4.Cost Management: Monitoring equipment quantities helps in controlling costs associated with inventory management. By avoiding overstocking or stockouts, TI can minimize unnecessary expenses related to carrying excess inventory or rush orders to replenish stock.
- 5. Operational Efficiency: Identifying equipment not returned allows organizations to track the whereabouts of their assets and ensures that they are available for use when needed. This prevents delays in operations caused by missing equipment and reduces the need for emergency replacements, employees cell included to remain in contact with staff who have not returned equipment.

VIEW EQUIPMENT LOCATION



- 1.Tracking the location of equipment allows TI to keep tabs on their assets. This is especially important for high-value equipment or items that are frequently moved between locations. By knowing where each piece of equipment is at any given time, TI can prevent loss, theft, or misplacement.
- 2.Operational Efficiency: Knowing the location of equipment streamlines operations. Admin and employees can quickly locate the equipment they need for a particular task, reducing downtime and improving productivity. It also helps in planning and scheduling tasks more effectively, as equipment availability and location are taken into account.
- 3.Risk Management: Tracking equipment location helps mitigate risks associated with loss or theft. If equipment goes missing, TI can quickly identify its last known location and take appropriate action to recover it. This reduces the financial and operational impact of equipment loss.



Equipment Value

♠ Home

Equipment Management

Employee Booking

Equipment Summan

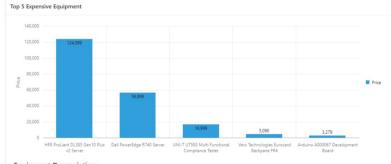
Booking Calender

Booking Summary

F Equipment Control

Equipment Location

✓ Equipment Value



Equipment Depreciation

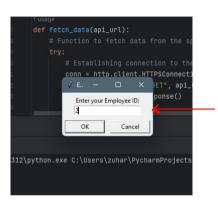
| Equipment Id ↑= | Equipment Name | Equipment Price | Depreciation Amount |
|-----------------|--|------------------------|---------------------|
| 1 | Vero Technologies Eurocard Backpane FR4 | 5090 | 2545 |
| 2 | Vero Technologies M3 Stud Faston Eurocard Backpane FR4 | 2157 | 1078.5 |
| 3 | Dell PowerEdge R740 Server | 56899 | 28449.5 |
| 4 | HPE ProLiant DL385 Gen10 Plus v2 Server | 124099 | 62049.5 |
| 5 | AC Current Digital Clamp Meter | 1909 | 954.5 |
| 6 | UNI-T UT593 Multi Functional Compliance Tester | 16999 | 8499.5 |
| 7 | Arduino A000067 Development Board | 3279 | 1639.5 |
| 8 | Raspberyy Pi 5 4GB | 1549 | 774.5 |

VIEW EQUIPMENT VALUE

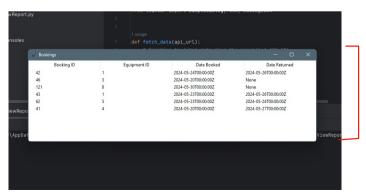
- View Equipment Usage
- View Top 5 Expensive Equipment
- view Equipment Depreciation
- 1. Optimizing Utilization: Understanding equipment usage helps in optimizing utilization. By tracking how often equipment is used and for what purposes. TI can identify underutilized assets and reallocate them to more productive tasks. This maximizes the return on investment for each piece of equipment.
- 2. Maintenance Planning: Usage data can inform maintenance schedules and help predict when equipment may require servicing or repairs. By monitoring usage patterns. TI can schedule preventive maintenance activities more effectively, reducing the risk of unexpected downtime due to equipment failure.
- 3. Cost Management: Identifying the top 5 expensive equipment allows TI to focus their attention and resources on managing these high-value assets effectively. It enables better budget allocation, prioritization of maintenance efforts, and strategic decision-making regarding repair versus replacement.
- 4. Asset Valuation: Monitoring equipment depreciation provides insights into the financial performance of assets over time. By tracking depreciation rates, TI can accurately assess the current value of their equipment and make informed decisions about asset disposal, replacement, or investment in new equipment.
- 5. Risk Management: Understanding equipment usage and depreciation helps in identifying potential risks associated with equipment obsolescence or failure. By proactively managing depreciation and monitoring usage patterns, TI can mitigate risks related to equipment downtime, performance issues, or unexpected expenses.

PYTHON APPLICATION (EMPLOYEES)

VIEW EQUIPMENT USAGE

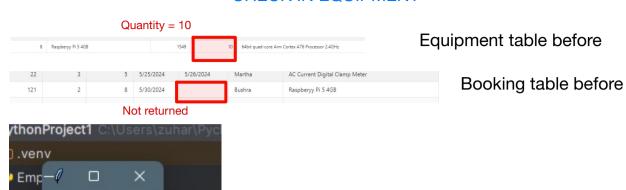


STEP 1: INSERT EMPLOYEE ID

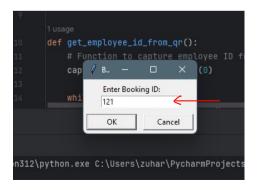


View all bookings made

CHECK IN EQUIPMENT



STEP 1: CLICK CHECK IN



Check-In

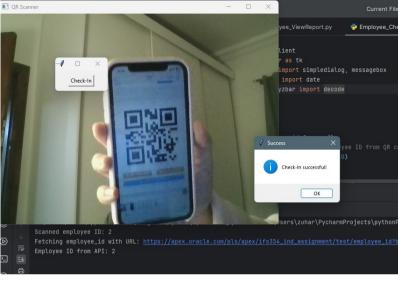
Emp

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cternal Libraries

cratches and Consoles

STEP 2: ENTER BOOKING ID



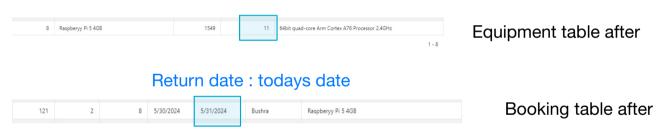


STEP 3: SCAN QR CODE FOR EMPLOYEE

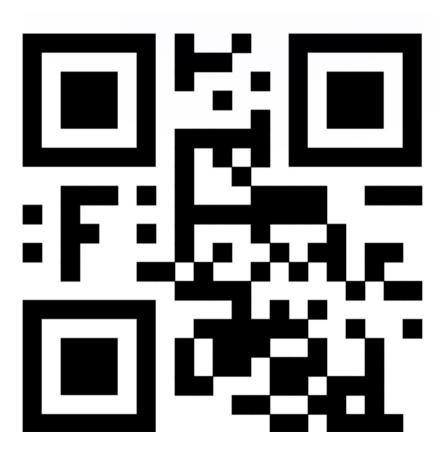
Check in and equipment quantity update should be successful

STEP 4: CHECK DATABASE

Quantity returned to 11



EMPLOYEE ID 1



EMPLOYEE ID 2



EMPLOYEE ID 3



EMPLOYEE ID 4

