

# DRONE PROJECT RESOURCE ALLOCATION MANAGEMENT

A one stop software solution for all your drone management needs.

*<https://www.droneprojectmanagement.com>*

## Drone Project Resource Allocation Management

Resource allocation is indeed a critical skill for drone project management professionals, just as it is for professionals in many other industries. Let's break down the key components and importance of resource allocation in the context of drone operations.

1. **Optimizing Resource Use:** Resource allocation involves identifying the various resources required for a drone project, such as drones themselves, pilots, sensors, battery, spare parts, and more. Efficiently allocating these resources means ensuring that they are used effectively and not wasted. For example, scheduling multiple drone flights in a day to maximize the use of equipment and personnel.
2. **Budget Management:** Drones and related equipment can be costly. Effective resource allocation helps in managing the budget for a project. It allows you to allocate the right amount of funds to acquire necessary resources and avoid overspending, which is crucial for both profitability and sustainability.
3. **Time Management:** Time is often a critical factor in drone operations. Resource allocation helps you create a timeline for the project by scheduling when and where resources will be deployed. This ensures that tasks are completed on schedule, reducing delays and potential disruptions.
4. **Quality Assurance:** Ensuring that you have the right resources at the right time also contributes to the quality of the project. For instance, having the appropriate sensors and equipment for data collection ensures that the data collected is accurate and reliable, which is vital for decision-making and analysis.
5. **Conflict Resolution:** Resource allocation helps identify and prevent resource conflicts. This includes avoiding situations where you have overbooked resources (e.g., scheduling more flights than you have drones) or underutilized resources (e.g., having idle personnel or equipment). It also helps prevent shortages, ensuring that you have all necessary resources when you need them.
6. **Risk Management:** Adequate resource allocation is a key component of risk management. By allocating resources thoughtfully and planning for contingencies, you can mitigate risks associated with resource shortages or unexpected delays.
7. **Resource Performance Monitoring:** Resource allocation is not a one-time task; it involves ongoing monitoring of resource performance throughout the project. This helps identify any deviations from the plan and allows for adjustments to be made in real-time to keep the project on track.

In summary, resource allocation is a fundamental skill for drone aviation professionals because it helps ensure the efficient and effective use of resources, leading to successful, on-budget, and on-time completion of projects. It also plays a critical role in risk management and quality assurance in drone operations. Professionals in this field must continuously assess resource needs, plan accordingly, and monitor resource performance to achieve their project goals.

**To help drone project managers manage their projects efficiently and to make their task of resource allocation easier, we have developed Drone Project and Resource Allocation Management Software. By using the software, drone project managers can manage all the activities of resource allocation efficiently and effectively.**

**Reference:**

The article below was generated through **AI** by LinkedIn. It discusses five most important management skills for drone project management professionals. It lists Resource Allocation as one of the important skills.

<https://www.linkedin.com/advice/3/what-most-important-project-management-skills-drone-aviation>

**Drone Project Management and Resource Allocation Management Software**

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# Drone Projects Allocation Dates – Location based View

Mission Location Upcoming

droneprojectmanagement.com/app/missionScheduledNextDaysLocation.jsp?days=30&startTime=1694754963000

### Drone Projects Resource Schedule Management

Home ● Satellite ○ Map ○ Precipitation ● Cloud ● Wind

**Banda University Ban**  
Sep 16 - Sep 20

**Krishii Betul House**  
Sep 26 - Sep 30

**Solar panel cleaning**  
Sep 18 - Sep 23

© OpenStreetMap contributors

Type here to search

10:47 AM  
10/4/2023

# Drone Projects Allocation Dates – Calendar View

September 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16 12 Banda University Banda
17 12a Banda University Banda Uttar Pradesh	18 12a Solar panel clearing	19	20	21	22	23
24	25 12a Krishi Bafal House	26	27	28	29	30
1	2	3	4	5	6	7

10:43 AM  
10/4/2023

# View Accessory Allocation Schedule

The screenshot displays a web application interface for viewing an accessory allocation schedule. The browser address bar shows the URL: `droneprojectmanagement.com/app/scheduleCalendarForAccessory.jsp?id=DJI+Zenmuse+H20N`. The page title is "Drone Projects Resource Schedule Management".

At the top, there is a navigation bar with a "Home" link. Below it, the "Accessory:" dropdown menu is set to "DJI Zenmuse H20N(DJI Zenmuse H20N)", and a "Show Schedule" button is visible.

The main content area shows a calendar for August 2023. The calendar grid has columns for days of the week (Sun to Sat) and rows for dates. Blue horizontal bars indicate the allocation periods for the "DJI Zenmuse H20N" accessory:

- Allocation on Thursday, August 10th (12a DJI Zenmuse H20N).
- Allocation on Friday, August 18th (12a DJI Zenmuse H20N).
- Allocation on Saturday, August 26th (12a DJI Zenmuse H20N).
- Allocation on Sunday, August 30th (12a DJI Zenmuse H20N).

The Windows taskbar at the bottom shows the system clock as 3:05 PM on 10/4/2023, along with various system icons and a search bar.

# View Pilots Leave Schedule

The screenshot shows a web browser window with the address bar displaying "droneprojectmanagement.com/app/leaveScheduleCalendar.jsp". The main content is a calendar for August 2023. The calendar grid has columns for days of the week (Sun to Sat) and rows for dates. Leave periods are indicated by orange horizontal bars with labels:

- 12a Sathish Kumar on Leave (from Mon 21 to Fri 25)
- 12a Venkat Ramanan on Leave (from Tue 22 to Sat 26)
- 12a Sandian Biawas on Leave (from Thu 31 to Sun 3)
- 12a Venkat Ramanan on (from Sun 27 to Mon 28)

The Windows taskbar at the bottom shows the search bar, taskbar icons for File Explorer, Edge, and Word, and system tray icons for network, volume, and battery. The system clock shows 3:07 PM on 10/4/2023.

# View Allocation Schedule of Drone including Service Schedule

Drone Id:  Show Schedule

September 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

12a Scheduled for Service

12a Banda University Banda Uttar Pradesh

12a Banda University Banda

12a Krishi Betul House

Type here to search

3:11 PM  
10/4/2023



# View Allocation Schedule of Pilot including Leaves

Schedule Calendar For Pilot

droneprojectmanagement.com/app/scheduleCalendarForPilot.jsp?pilot=sbiswas

Pilot: Sandian Biswas Show Schedule

August 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

12a Seawoods NRI Complex

12a Bharat Coking Coals Limited

12a Leave

Type here to search

3:12 PM 10/4/2023

# View Service Schedule of all Drones

Screenshot of a web browser displaying a service schedule calendar for September 2023. The browser tabs include "Schedule Calendar For Pilot", "View Mission", and "Service Schedule Calendar". The address bar shows the URL "droneprojectmanagement.com/app/serviceScheduleCalendar.jsp".

The calendar displays the following service events:

Date	Service Event
September 4 - 9	12a Agri MK1 (Agri-MK)
September 14 - 16	12a GA Agri Drone (GA-Agri-1)
September 17 - 20	12a GA Agri Drone (GA-Agri-1)
September 24 - 7	12a Agri MK1 (Agri-MK)

The Windows taskbar at the bottom shows the search bar, task icons, and system tray with the time 3:20 PM on 10/4/2023.

# View Pilots Home Location

The screenshot displays a web browser window with the address bar showing `droneprojectmanagement.com/app/pilotHomeLocation.jsp`. The page title is "Drone Projects Resource Schedule Management". Below the title bar, there are navigation tabs for "Home", "Satellite", "Map", "Precipitation", "Cloud", and "Wind". The main content is a map of India with several blue location pins. The pins are labeled with pilot names: "Ananig Sharma" (near Jaipur), "John Joe" (near Mumbai), "Sameer Sharma" (near Bangalore), "Venkat Ramanan" (near Chennai), and "Sandian Biswas" (near Kolkata). The map also shows various Indian states and cities. At the bottom of the browser window, the Windows taskbar is visible, showing the search bar, taskbar icons, and system tray with the date and time "3:27 PM 10/4/2023".

# View Pilots Last Location

The screenshot displays a web browser window with the following details:

- Browser Tabs:** Pilot Last Location, Banda University of Agriculture.
- Address Bar:** droneprojectmanagement.com/app/pilotLastLocation.jsp
- Page Title:** Drone Projects Resource Schedule Management
- Map Interface:** A satellite-style map of India with two location markers:
  - Marker 1:** Venkat Ramanan, 9/22/2023, 12:40:15 PM (located near Prayagraj).
  - Marker 2:** saijesh pilot, 9/21/2023, 7:39:02 PM (located near Bangalore).
- Browser UI:** Includes a search bar with the text "Type here to search" and various system icons (Wi-Fi, battery, time) in the bottom right corner.


# Allocate Drone and Pilots to Project


Schedule Mission

droneprojectmanagement.com/app/scheduleMissionByType.jsp?start\_date=04%2F10%2F2023&end\_date=08%2F10%2F2023&uuid=b454fc18-77cf-4007-8f1...

### Drone Projects Resource Schedule Management


Home

Mission Start date:  

Mission End date:  

Mission Type: Agriculture

Available Drones:


Available Pilots:  

- Sameer Sharma
- Sandian Biswas
- Venkat Ramanan
- John Joe

Show Pilot Mission

Show Pilot Home

Available Co-Pilots:  (Optional)

Reason for Reschedule:  

# Allocate Accessories to Project

Attach Accessory To Mission

droneprojectmanagement.com/app/assignAccessoryToMission.jsp?type=Battery&uuid=b02e7b78-675d-4e72-9cb3-abe0e3002a44&startTime=16949754000...

### Drone Projects Resource Schedule Management

Home

Mission Start date: 18/09/2023

Mission End date: 23/09/2023

Accessory Type:

Available Accessory:

[Get Available Accessory](#)

[Assign Accessory](#)

Type here to search

3:37 PM 10/4/2023

# Allocate/Schedule Leave for Pilot

Schedule Pilot

droneprojectmanagement.com/app/schedulePilot.jsp?pilot=sbiswas&start\_date=10%2F10%2F2023&end\_date=13%2F10%2F2023&startTime=169687620000...

Drone Projects Resource Schedule Management

Home

Pilot: Sandian Biswas

Start date: 10/10/2023

End date: 13/10/2023

Pilot is free to schedule for out of office.

Check Pilot Availability

Schedule OOO for Pilot

# Set up and Schedule Service Dates for Drones

The screenshot shows a web browser window with the following elements:

- Browser Tab:** Schedule Service
- Address Bar:** droneprojectmanagement.com/app/scheduleService.jsp?uas\_id=Drone-SPC-1&start\_date=16%2F10%2F2023&end\_date=20%2F10%2F2023&startTime=1697...
- Page Header:** Drone Projects Resource Schedule Management
- Home Link:** Home
- Form Fields:**
  - Drone Id: Drone-SPC-1 (dropdown menu)
  - Service Start date: 16/10/2023 (calendar icon)
  - Service End date: 20/10/2023 (calendar icon)
- Status:** Drone is available/free to schedule for service.
- Buttons:** Is Drone Available, Schedule Service

The screenshot shows a Windows taskbar with the following elements:

- Search Bar:** Type here to search
- Taskbar Icons:** File Explorer, Microsoft Edge, Google Chrome, Microsoft Word, Microsoft Teams
- System Tray:** Network, Volume, Date and Time (3:46 PM, 10/4/2023), Notification Area



# View all Project Information at one Place

**Drone Projects Resource Schedule Management**

Home  Satellite  Map  Precipitation  Cloud  Wind

**Name** Banda University Banda Uttar Pradesh (Agriculture)  
**Description** Banda University Banda Uttar Pradesh  
**Drone** Agri MK1 (Agri-MK)  
**Pilot** Venkat Ramanan (venkat\_ramanan) [Send Message To Pilots](#)  
**Mission Plan** [Download Mission Plan](#)  
**Location** [Upload Mission Location \(GeoJSON\)](#) [Update Mission Location \(Lat/Lon\)](#)  
**Files** [Letter of Authorization 2023 Shahputra Trading Private Limited.pdf](#) [Site Assessment.docx](#) (Upload File)  
**Pilot Files** [Hotel Revankar - July 18.pdf](#) [Travel Ticket.pdf](#) (Upload File)  
**Flight Log** [\(Upload Flight Log\)](#)  
**Flight Check** [Pre Flight Check Report](#)  
**Status** In progress ([Change](#))  
**Schedule** September 16, 2023 September 20, 2023 [Re-Schedule Mission \(By Pair\)](#) [Schedule Assistant](#) [Delete Mission Schedule](#)  
[Schedule History](#) [Assign Accessory \(List Accessory\)](#)  
**Flight Permission** Central Government [Edit Flight Permission](#)  
**Crash Report** [Submit Crash Report \(List Crash Report\)](#)  
[Get Current Weather / 5 Day Weather Forecast](#)  
[View map full screen](#)

Windows taskbar: Type here to search, 10:33 AM, 10/5/2023

# Dashboard – View Reports

Dashboard

droneprojectmanagement.com/app/dashboard.jsp

## Drone Projects Resource Schedule Management

Home

Project Status	Count (Open in Map)
Open	0
In Progress	4

Drone Missions	Count
Scheduled	4
Not scheduled yet	<a href="#">0 (Open Map)</a>
Scheduled Next 7 Days	<a href="#">(Open Map)</a>
Scheduled Next 30 Days	<a href="#">(Open Map)</a>

KPI	Value
Avg New Project Acquisitions every 30 days	0.65
Avg Days Taken to Complete Project	90

Drone Service	Count
Drones Due for Service	1
Avg Days Spent for Servicing Drone	4

KPI	Value
Avg Drone Utilization	1%
Percent Days spent on Drone Service	0%

# View Drone Utilization Report

Browser window: List Drone Utilization

URL: droneprojectmanagement.com/app/listDroneUtilization.jsp?start\_date=01%2F08%2F2023&end\_date=31%2F10%2F2023&startTime=1690828200000&endTi...

### Drone Projects Resource Schedule Management

Home

Start date: 01/08/2023

End date: 31/10/2023


[Get Drone Utilization](#)


Drone	Type	Utilization
Agri MK1	Agriculture	10.87%
Drone-SPC-1-Solar Panel	Solar Panel Cleaning	6.52%
GA Agri Drone	Agriculture	0.00%
Phantom 4 Pro	Aerial Videography	13.04%
Mavic Pro	Aerial Videography	0.00%
Mavic Pro 2	Aerial Videography	0.00%
Mavic Pro3	Aerial Videography	0.00%
test_drone_after_type	Agriculture	0.00%
test_drone_before_type	Solar Panel Cleaning	0.00%

Windows taskbar: Type here to search, 3:47 PM, 10/4/2023

# View Pilot Utilization Report

Home

Start date:  

End date:  

[Get Pilot Utilization](#)

Pilot	Utilization
sanjesh_pilot	0.00%
Sameer Sharma	6.52%
Without License	0.00%
Sandian Biswas	13.04%
Anand Sharma	0.00%
Venkat Ramanan	10.87%
Sanjesh Pilot	0.00%
Satish Kumar	0.00%
John Joe	0.00%

Type here to search

3:48 PM  
10/4/2023

# Utilization by Market Segment

Browser tabs: Inbox (2,052) - sarjeshpathi, car pre delivery inspection, New Car PDI (Pre Delivery In, Pre-delivery Inspection (PDI), List Drone Utilization

URL: droneprojectmanagement.com/app/listDroneUtilizationByType.jsp?start\_date=01%2F08%2F2023&end\_date=30%2F09%2F2023&startTime=1690828200000...

Drone Projects Resource Schedule Management

Home

Start date: 01/08/2023

End date: 30/09/2023

Get Drone Utilization

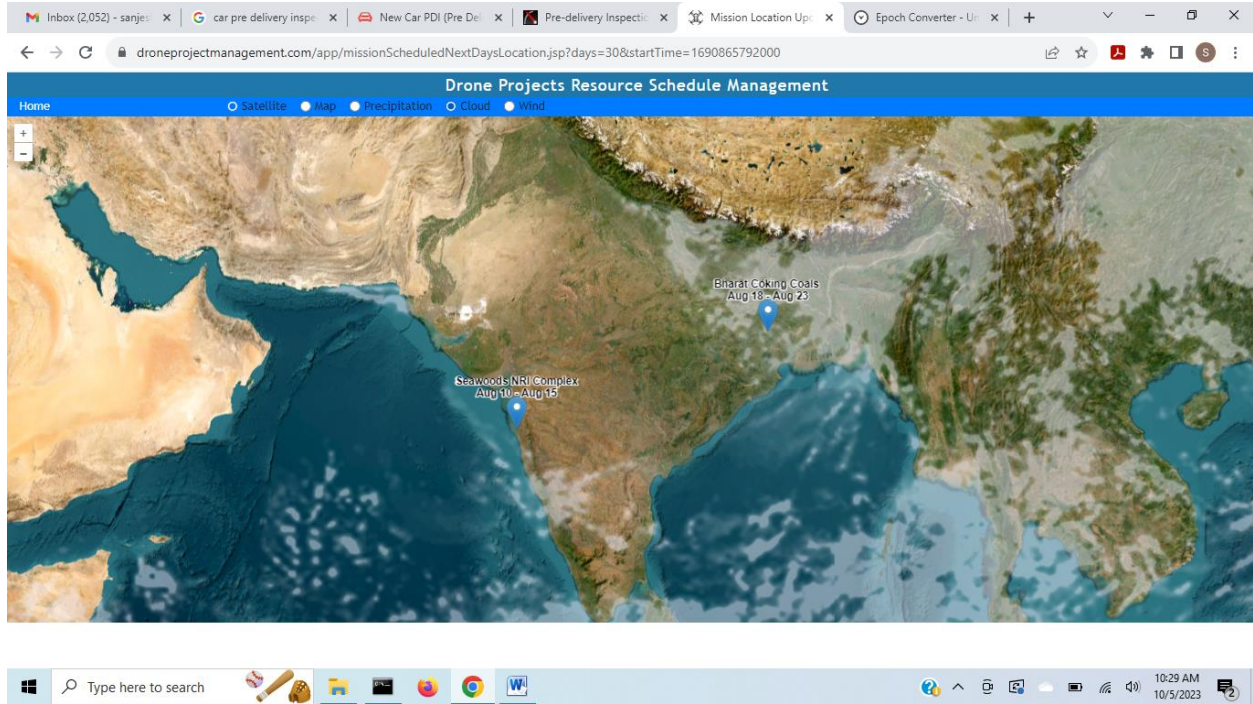
Drone Type	Utilization
Aerial Videography	4.92%
Agriculture	5.46%
Mapping	0.00%
Solar Panel Cleaning	4.92%

Windows taskbar: Type here to search, icons for various applications, system tray showing 10:24 AM, 10/5/2023

# Project at Risk due to Weather - Precipitation

The screenshot displays a web browser window with multiple tabs open, including 'Inbox (2,052) - sarjes', 'car pre delivery inspe', 'New Car PDI (Pre Del', 'Pre-delivery Inspecti', 'Mission Location Up', and 'Epoch Converter - U'. The browser's address bar shows the URL: [droneprojectmanagement.com/app/missionScheduledNextDaysLocation.jsp?days=30&startTime=1690865792000](https://droneprojectmanagement.com/app/missionScheduledNextDaysLocation.jsp?days=30&startTime=1690865792000). The main content area features a map titled 'Drone Projects Resource Schedule Management' with a navigation bar containing 'Home', 'Satellite', 'Map', 'Precipitation', 'Cloud', and 'Wind'. The 'Precipitation' tab is selected. The map shows precipitation levels across India and Southeast Asia, with three specific locations highlighted by blue pins: 'Seawoods NRI Complex Aug 10 - Aug 15', 'Bharat Coking Coalists Aug 18 - Aug 23', and 'Bharat Coking Coalists Aug 18 - Aug 23'. The Windows taskbar at the bottom shows the search bar with the text 'Type here to search', several application icons, and the system tray with the date '10/5/2023' and time '10:28 AM'.

# Project Risk due to Cloud Cover



# Get 5-Day Weather Forecast at Project Location – Gauge Risk due to Weather

droneprojectmanagement.com/app/fiveDayWeather.jsp?lat=25.526538151462987&lon=80.34409472291844

**Drone Projects Resource Schedule Management**

Home  
5 Day Weather Forecast

Date Time	Weather	Clouds	Wind Speed	Wind Gust	Wind Direction	Visibility
October 5, 2023 at 11:30:00 AM	Clouds - scattered clouds	29%	2.59 m/sec (9.32 Km/h)	2.83 m/sec (10.19 Km/h)	West North-West	10000 m
October 5, 2023 at 2:30:00 PM	Clouds - scattered clouds	33%	3.77 m/sec (13.57 Km/h)	4.29 m/sec (15.44 Km/h)	North West	10000 m
October 5, 2023 at 5:30:00 PM	Clouds - scattered clouds	38%	3.67 m/sec (13.21 Km/h)	6.41 m/sec (23.08 Km/h)	North West	10000 m
October 5, 2023 at 8:30:00 PM	Clouds - scattered clouds	48%	2.52 m/sec (9.07 Km/h)	2.7 m/sec (9.72 Km/h)	North North-West	10000 m
October 5, 2023 at 11:30:00 PM	Clouds - broken clouds	74%	0.22 m/sec (0.79 Km/h)	1.09 m/sec (3.92 Km/h)	North East	10000 m
October 6, 2023 at 2:30:00 AM	Clouds - overcast clouds	100%	2.41 m/sec (8.68 Km/h)	2.45 m/sec (8.82 Km/h)	South South-West	10000 m
October 6, 2023 at 5:30:00 AM	Clouds - broken clouds	68%	3.19 m/sec (11.48 Km/h)	3.93 m/sec (14.15 Km/h)	South West	10000 m
October 6, 2023 at 8:30:00 AM	Clouds - broken clouds	62%	3.89 m/sec (14.00 Km/h)	5.17 m/sec (18.61 Km/h)	South West	10000 m

10:31 AM  
10/5/2023



# Pilot Login – View their project schedule

The screenshot displays a web browser window with the following details:

- Browser Tab:** Pilot Mission Location
- Address Bar:** droneprojectmanagement.com/app/pilotMissionLocation.jsp?startTime=1694665405000
- Page Title:** Drone Projects Resource Schedule Management
- Navigation:** Home, Satellite, Map, Precipitation, Cloud, Wind
- Map Content:** A satellite-style map of India with two project locations marked:
  - Bonda University Ban:** Sep 16 - Sep 20
  - Krishi Betul House:** Sep 26 - Sep 30
- Taskbar:** Windows search bar, task icons, system tray showing 9:55 AM on 10/7/2023.

# Pilot Login – View their project schedule

The screenshot shows a web browser window with the address bar displaying `droneprojectmanagement.com/app/pilotScheduleCalendar.jsp`. The main content is a calendar for September 2023. The calendar grid shows dates from 27th to 30th of the month. Several dates have blue bars indicating project schedules:

- 12th: Banda University Banda
- 17th-20th: 12a Banda University Banda Uttar Pradesh
- 26th-27th: 12a Krishi Betul House

The Windows taskbar at the bottom shows the search bar, task icons for File Explorer, Edge, and Word, and system tray icons including the clock showing 9:57 AM on 10/7/2023.