



# BEJOY NARAYAN MAHAVIDYALAYA

Phone : (03213) 272 275

(GOVT. SPONSORED)  
NAAC ACCREDITED

P.O. ITACHUNA, DIST. HOOGHLY, PIN - 712147

website : [www.bnmv.ac.in](http://www.bnmv.ac.in) e.mail ID : [bnmv2012@yahoo.in](mailto:bnmv2012@yahoo.in)

Ref. No. ....

Notice

Date. ....

Enrollment for 718 courses for the Jan - Apr 2024 semester is open now!

17.11.23

How to enroll (join) in a course

Please go to this link to join for courses that you/students are interested in. <https://onlinecourses.nptel.ac.in/>

**KINDLY ALERT YOUR STUDENTS/FACULTY to FOLLOW THESE IMPORTANT STEPS:**

- Learners have to say YES to the question 'Are you part of a Local Chapter'
- Choose the correct college name from the dropdown. This is very important; else the learner will not be available in your SPOC login
- Students choose the Profession as 'Student'
- Faculty choose the Profession as 'Faculty' (Not Employed)
- Use the same email id for enrolling to courses & exam registration. Assignments submitted through one mail id & exam registered through another mail id will not be accepted

**NEW:** Please note that the exam registration for the 12 week courses will be closed along with the set one 4wk and 8wk courses.

### Important dates

	4 weeks (SET 1)	8 weeks (SET 1)	12 weeks	4 weeks (SET 2)	8 weeks (SET 2)
Start of course	Jan 22, 2024	Jan 22, 2024	Jan 22, 2024	Feb 19, 2024	Feb 19, 2024
End of course	Feb 16, 2024	Mar 15, 2024	Apr 12, 2024	Mar 15, 2024	Apr 12, 2024
Exam dates	Mar 23/24, 2024 2 Sessions on each date 9am-12 noon; 2pm-5pm		April 20/21/27/28, 2024 2 Sessions on each date 9am-12 noon; 2pm-5pm		
Possible Additional Exam dates	Mar 22, 2024 2 Sessions on each date 9am-12 noon; 2pm-5pm		April 18/19/22, 2024 2 Sessions on each date 9am-12 noon; 2pm-5pm		
Open enrollment to the course	Nov 9, 2023				
Close enrollment to the course	Jan 29, 2024 - 5pm			Feb 19, 2024 - 5pm	
Open exam registration form	Dec 13, 2023 - 10am				
Close exam registration form	Feb 12, 2024 5pm / Feb 16, 2024 5pm			March 11, 2024 5pm / March 15, 2024 5pm	

Note: The exam dates are subject to change based on seat availability. Final exam date will be given in the Hall ticket.

Course List The tentative course list can be found at [this link. \(https://onlinecourses.nptel.ac.in/\)](https://onlinecourses.nptel.ac.in/)

Contact Person:

Dr. Madhumita Dalal  
(SPOC, NPTEL Local Chapter)  
Department of Physics  
Bejoy Narayan Mahavidyalaya  
Itachuna, Hooghly

  
17.11.23  
Principal

Principal  
Bejoy Narayan Mahavidyalaya  
P.O.- Itachuna, Dt.- Hooghly.



**NPTEL**

NPTEL ONLINE CERTIFICATION COURSE

An Initiative of MHRD



# Step by step Instructions to join the NPTEL Online Certification Courses

*Bejoy Narayan Mahavidyalaya  
Itachuna, Hooghly*

# <https://onlinecourses.nptel.ac.in/>



## Welcome to Swayam-NPTEL

Enhance skills that meet your need online



NPTEL Online Certification Course

NPTEL is a project of MHRD initiated by IITs in 2003, to provide quality education to anyone interested in learning from the IITs.

Click here

2003, to provide quality education to

Jan - April 2024 : [FINAL COURSE LIST](#) | [TIMELINES](#)

**ENROLLMENTS ARE OPEN FOR JAN 2024!**

# Tentative Course List

Tentative Course List (Jan - April 2024) : Sheet1

[Click here to download the sheet](#)

TIMELINE	4 Weeks (SET 1)	8 Weeks (SET 1)	12 Weeks	4 Weeks (SET 2)	8 Weeks (SET 2)
Start of Course	January 22, 2024	January 22, 2024	January 22, 2024	February 19, 2024	February 19, 2024
End of Course	February 16, 2024	March 15, 2024	April 12, 2024	March 15, 2024	April 12, 2024
Exam Dates	Mar 23/24, 2024 2 Sessions on each date (9am-12 noon; 2pm-5pm)		April 20/21/27/28, 2024 2 Sessions on each date (9am-12 noon; 2pm-5pm)		
Possible additional exam dates	Mar 22, 2024 2 Sessions on each date (9am-12 noon; 2pm-5pm)		April 18/19/22, 2024 2 Sessions on each date (9am-12 noon; 2pm-5pm)		
Open enrollment to the Course	Nov 15, 2023				
Close enrollment to the Course	Jan 29, 2024 - 5pm			February 19, 2024 - 5pm	
Open exam registration form	Will be announced soon				
Close exam registration form	Feb 12, 2024 / Feb 16, 2024 5pm			March 11, 2024 / March 15, 2024 - 5pm	
Course ID	Discipline	Course Name	SME Name	Institute	Co-ordinating Institute
noc24-ae01	Aerospace Engineering	Gasdynamics: Fundamentals and Applications	Prof. Srisha Rao M V	IISc	IISc
noc24-ae02	Aerospace Engineering	Aircraft Design	Prof. A.K.Ghosh	IITK	IITK
noc24-ae03	Aerospace Engineering	Computational Science in Engineering	Prof. Ashok De	IITK	IITK
noc24-ae04	Aerospace Engineering	Fundamentals of Theoretical and Experimental Aerodynamics	Prof. Arnab Roy	IITKGP	IITKGP
noc24-ae05	Aerospace Engineering	Introduction to Aircraft Control System	Prof. Dipak Kumar Giri	IITK	IITK
noc24-ae06	Aerospace Engineering	Introduction to Experiments in Flight	Prof. A.K.Ghosh	IITK	IITK
noc24-ae07	Aerospace Engineering	Lighter than Air Systems	Prof. Deekumar S. Pant	IITR	IITR

Tentative Course List (Jan - April 2024) : Sheet1

	Core/Elective	FDP	Applicable NPTEL Domain	Click here to Join the course	Old course URL
G	Elective	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ae01/preview">https://onlinecourses.nptel.ac.in/noc24_ae01/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc22_ae01/preview">https://onlinecourses.nptel.ac.in/noc22_ae01/preview</a>
G	Core	Yes	Flight Mechanics	<a href="https://onlinecourses.nptel.ac.in/noc24_ae02/preview">https://onlinecourses.nptel.ac.in/noc24_ae02/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ae02/preview">https://onlinecourses.nptel.ac.in/noc23_ae02/preview</a>
G	Core/Elective	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ae03/preview">https://onlinecourses.nptel.ac.in/noc24_ae03/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ae03/preview">https://onlinecourses.nptel.ac.in/noc23_ae03/preview</a>
G	Core	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ae04/preview">https://onlinecourses.nptel.ac.in/noc24_ae04/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ae04/preview">https://onlinecourses.nptel.ac.in/noc23_ae04/preview</a>
G	Core	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ae05/preview">https://onlinecourses.nptel.ac.in/noc24_ae05/preview</a>	
G	Core	No	Flight Mechanics	<a href="https://onlinecourses.nptel.ac.in/noc24_ae06/preview">https://onlinecourses.nptel.ac.in/noc24_ae06/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ae06/preview">https://onlinecourses.nptel.ac.in/noc23_ae06/preview</a>
G	Elective	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ae07/preview">https://onlinecourses.nptel.ac.in/noc24_ae07/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ae07/preview">https://onlinecourses.nptel.ac.in/noc23_ae07/preview</a>
G	Elective	Yes	Propulsion	<a href="https://onlinecourses.nptel.ac.in/noc24_ae08/preview">https://onlinecourses.nptel.ac.in/noc24_ae08/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ae08/preview">https://onlinecourses.nptel.ac.in/noc23_ae08/preview</a>
G	Elective	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ae09/preview">https://onlinecourses.nptel.ac.in/noc24_ae09/preview</a>	
G	Elective	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ae10/preview">https://onlinecourses.nptel.ac.in/noc24_ae10/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc20_ae10/preview">https://onlinecourses.nptel.ac.in/noc20_ae10/preview</a>
G	Core	No		<a href="https://onlinecourses.nptel.ac.in/noc24_ae11/preview">https://onlinecourses.nptel.ac.in/noc24_ae11/preview</a>	
G	Elective	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ae12/preview">https://onlinecourses.nptel.ac.in/noc24_ae12/preview</a>	
G	Elective	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ag01/preview">https://onlinecourses.nptel.ac.in/noc24_ag01/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ag01/preview">https://onlinecourses.nptel.ac.in/noc23_ag01/preview</a>
G	Elective	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ag02/preview">https://onlinecourses.nptel.ac.in/noc24_ag02/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ag02/preview">https://onlinecourses.nptel.ac.in/noc23_ag02/preview</a>
G	Core	No		<a href="https://onlinecourses.nptel.ac.in/noc24_ag03/preview">https://onlinecourses.nptel.ac.in/noc24_ag03/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ag03/preview">https://onlinecourses.nptel.ac.in/noc23_ag03/preview</a>
G	Elective	Yes		<a href="https://onlinecourses.nptel.ac.in/noc24_ag04/preview">https://onlinecourses.nptel.ac.in/noc24_ag04/preview</a>	<a href="https://onlinecourses.nptel.ac.in/noc23_ag04/preview">https://onlinecourses.nptel.ac.in/noc23_ag04/preview</a>

Click on the link corresponding to your preferred course  
Or  
Copy and paste the link to the browser



Courses >

## Lighter than Air Systems

By Prof. Rajkumar S. Pant | IIT Bombay

Join

Learners enrolled: 53

Click on 'Join'



Course Introduction - Lighter than Air Systems

# Overview of NPTEL Course on

## Lighter-Than-Air Systems



Prof. Rajkumar S. Pant



Share

# Sign up or Sign in

Username

Password

Sign in

[Forgot your password?](#)

OR

Don't have an account? [Sign up now](#)

# Fill up the form



## Account Info >

### Personal Details

Name *	<input type="text"/>
Mobile Number *	<input type="text"/>
Email *	<input type="text" value="dalal.madhurita@gmail.com"/>
Which age group do you belong to? *	<input type="text" value="20-30"/> ▾
Gender *	<input type="text" value="Female"/> ▾
Country residing in currently *	<input type="text" value="India"/> ▾
Pincode *	<input type="text" value="712147"/>
State *	<input type="text" value="West Bengal"/> ▾
City/District *	<input type="text" value="Medinipur"/> ▾
Profession *	<input type="text" value="Faculty"/> ▾
Highest Qualification *	<input type="text" value="Doctoral degree"/> ▾
Year of Graduation * ⓘ	<input type="text" value="2006"/> ▾
Academic Bank of Credits (ABC) *	<input type="text" value="Do not need ABC id"/> ▾

For more details [Click here](#)

### Education Details

Part of a SWAYAM local chapter? * ⓘ	<input type="text" value="Yes"/> ▾
If you are a student/faculty in a college, go to <a href="http://portal.ec.in/Local/Chapter/">http://portal.ec.in/Local/Chapter/</a> and check if your college is an SWAYAM Local Chapter	
Local Chapter State *	<input type="text" value="West Bengal"/> ▾
College/School Name *	<input type="text" value="Bijoy Narayan Mahavidyalaya, Hooghly, West Bengal"/> ▾
Tip: Start typing your City or College name for automatic filtering	
Area * ⓘ	<input type="text" value="Science"/> ▾
Department * ⓘ	<input type="text" value="Physics"/> ▾

I agree to SWAYAM [Terms of Service](#).

I agree to follow the [Honor Code](#).

We've updated our form, please ensure all the required fields have been filled properly to activate the 'Update Profile and join course' button.

# Fill up the form



College/School Name *	Bejoy Narayan Mahavidyalaya, Hooghly, West Bengal
Tip: Start typing your City or College name for automatic filtering	
College/School Roll No. *	Roll No
Degree * ⓘ	Science
Department * ⓘ	Physics
Study Year * ⓘ	2nd Year

I agree to SWAYAM [Terms of Service](#).

I agree to follow the [Honor Code](#).

We've updated our form, please ensure all the required fields have been filled properly to activate the "Save" button.

SAVE

CANCEL

Click on  
'SAVE'

## Course certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.

The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).

Date and Time of Exams: **24 March 2024** Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.

Registration url: Announcements will be made when the registration form is open for registrations.

The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.

Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

## CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 3 assignments out of the total 4 assignments given in the course.

Exam score = 75% of the proctored certification exam score out of 100

Final score = Average assignment score + Exam score

**YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE  $\geq 10/25$  AND EXAM SCORE  $\geq 30/75$ . If one of the 2 criteria is not met, you will not get the certificate even if the Final score  $\geq 40/100$ .**

Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Guwahati. It will be e-verifiable at [nptel.ac.in/noc](http://nptel.ac.in/noc).

Only the e-certificate will be made available. Hard copies will not be dispatched.

Once again, thanks for your interest in our online courses and certification. Happy learning.

- NPTEL team