



# **St. Michael's College, Cherthala**

**Alappuzha, Kerala-688 539**

**Affiliated to University of Kerala  
and Re-accredited by NAAC with 'A' Grade**



**ADD ON COURSE 2021-22**

**Name of the Programme : AIR TRANSPORT OPERATIONS**

**Name of the Department : TOURISM STUDIES**

**Course Code : TM 377**



# St. Michael's College

MAYITHARA P.O., CHERTHALA, ALAPPUZHA-688539

An institution with Minority Status Affiliated to the University of Kerala and  
Re-accredited by NAAC with 'A' Grade

## Add on Course - 2021-22

### CHEMISTRY

Coir  
Technology

### COMMERCE

GST Filing &  
Tally

### ECONOMICS

Applied  
Economics  
Analysis

### ENGLISH

Interpersonal  
Relationship  
Counseling and  
Psychological  
Guidance

### PHYSICS

Observing  
the sky with  
Stellarium and  
beyond

### SOFTWARE DEVELOPMENT

Add on Course  
in PHP

### TOURISM STUDIES

Air Transport  
Operations

### ZOOLOGY

Brackish Water  
Aquaculture  
Methods and  
Practices

### ENGLISH

#### Certificate Course

Fundamentals of  
Communication  
and Soft Skills



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**NAME OF COURSE : AIR TRANSPORT OPERATIONS**

**COURSE CODE : TM 377**

**NO OF STUDENTS ENROLLED :39**

**CONTENTS**

- SYLLABUS**
- CLASS SCHEDULES**
- ATTENDANCE STATEMENT**
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- MARK LIST**
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**ADD -ON COURSE ON AIR TRANSPORT  
OPERATIONS  
2021-2022**

**Submitted by**

**Tourism and Hospitality Management Division**

**Department of Vocational Disciplines**

**St. Michael's College Cherthala**

**ADD -ON COURSE ON AIR TRANSPORT OPERATIONS**



**1. Name of the Course and Offering Department:**

Add -on course on AIR TRANSPORT OPERATIONS proposed by the Tourism & Hospitality division of the Department of Vocational Disciplines, St.Michael's College Cherthala

**2. Program Objective:**

- Understand the importance of the customer to tourism business.
- Familiarize the desirable qualities a tourism professional should possess
- Demonstrate skills needed for verbal and non-verbal skills □
- To practice the basic service procedures

**3. Admission Eligibility:**

HSE or VHSE (NSQF Level 4) passed students with basic understanding in travel and tourism or hospitality management.

**4. Nature of the Programme such as Certificate Program/Diploma/Advanced Diploma etc.:** Certificate Programme

**5. Duration of Programme:**

30 hrs (either in the evening of regular working days or on Saturdays)

**6. Program Fees:**

Rs.750/- per student

**7. Attendance Rules:**

75% of the attendance is mandatory

### **8. Evaluation Process & Criteria:**

The evaluation scheme for the course shall contain two parts;

- (a) Written examination and
- (b) Practical test

60% of the total marks shall be given to the written examination and the remaining 40% for the practical test.

Assessment	Duration	Marks
Written Examination	2 hrs	60
Practical Test	2hrs	40

Total	4hrs	100
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For the add-on programme, grade point and % of marks are introduced in 7- point Indirect Grading System as detailed below.

% of Marks	Grade	Interpretation
90 and above	A+	Outstanding
80 to below 90	A	Excellent
70 to below 80	B	Very Good
60 to below 70	C	Good
50 to below 60	D	Satisfactory
40 to below 50	E	Pass/Adequate
Below 40	F	Failure

### 9. Course Structure:

The course is designed in 4 modules

Module 1 (8 hrs) : Introduction to Airport Operations

Module 2 (6 hrs) : DEVELOPMENT OF THE CONCEPT OF  
MANAGEMENT

Module 3 (8 hrs) : OVERVIEW OF AIR CARGO  
OPERATIONS AND BUSINESS  
MODELS

Module 4 (8 hrs) : Basic service procedures

### **Course Objective**

- It enable the students to learn the basic knowledge of Air Cargo operations
- It enable the students understand the movement of Cargo from Shipper to Destination
- It enable the students to learn about business model to increase the revenue and cut cost
- It enable the students about duties and responsibilities of different agencies involved in the Cargo Management
- It enable the students about national aviation policy on Cargo movement and to augment that facilities in the Cargo terminal



## **Course Names with detailed Syllabus of Courses and References**

### **UNIT I**

**(8hrs)**

#### **INTRODUCTION TO AIR CARGO MANAGEMENT**

Introduction, Operations and Industry Regulations, Service Function, Organization and Liability, SLI, Types of cargo, Air Cargo Tariff, Rates & Charges, Valuation charges and Disbursement, Airway Bill, Function, Purpose and Validation

### **UNIT II**

**(6hrs)**

#### **DEVELOPMENT OF THE CONCEPT OF AIR CARGO MANAGEMENT**

Overview of the Air Cargo Industry, the fundamental changes taking in the industry, the changing needs of shippers, Leveraging -information technology in key areas of the industry, Air Cargo Competitive Landscape – emerging trends in air cargo industry, Performance of leading air cargo operators, economics of PTF (Passenger to Freighter), History of PTF

### **UNIT III**

**(8hrs)**

#### **OVERVIEW OF AIR CARGO OPERATIONS AND BUSINESS MODELS**

Applying gap analysis for profit opportunities and better efficiencies, Strategies and business models from other industries: Lessons for Air Cargo, Logistics as a competitive advantage in supermarket retailing, Logistics as a key to profitability - Short history of automation in air cargo, Expectations of the end customer, Benefits of automation and ebusiness for the end-to-end air cargo supply chain, Components of a comprehensive e-Cargo approach for a modern cargo airline and a freight forwarding.

### **UNIT IV**

**(8)**

#### **DIGITALISATION OF AIR CARGO MANAGEMENT AND CARGO HANDLING FACILITY**

Understanding the Technology of E-Cargo, EDI standards: Cargo-IMP vs. XML, Cargo Community Systems, The Cargo Cloud, E-Pouch solutions and electronic document management platforms, the paperless process flows, Technology for the warehouse: how to match data with the physical

flows for optimum efficiency, Airport Cargo Activity & Cargo Zone, Aircraft Handling with Cargo, Cargo Terminals and Facilities, Emerging trend in Cargo & Cargo Carriers.

## 10. Reference Books

- Sung Chi-Chu, “4th Party cyber logistics for Aircargo”, Boston: Kluwer Academic Publishers, 2006.
- P.S. Senguttavan, “Fundamentals of Air transport management”, Oxford-Atlas-Oxford Publishing, Excel books, 2010.

## 11. Expected Outcome from each Course

By the end of the course students will attain a general proficiency in service procedures in the Air transport industry and get a strong foundation in customer handling skills needed for their future endeavors.

### Number and details of the students registered for the program

**St. Michaels College, Cherthala**

**Details of the students**

**Discipline : B. Voc Tourism and Hospitality Management**

**Course title : Air Transport Operations**

Name of the Student

Candidate Code

ADITHYA .M	<a href="#"><u>35219136001</u></a>
AGNA JOSEPHINE	
MORRISON	<a href="#"><u>35219136002</u></a>
AISWARYA C.V.	<a href="#"><u>35219136003</u></a>
ALEENA SEBASTIAN	<a href="#"><u>35219136004</u></a>
AMEESHA MARY K.S	<a href="#"><u>35219136005</u></a>
ANANDHU	<a href="#"><u>35219136006</u></a>

OMANAKUTTAN	
ANCY ANIL	<a href="#"><u>35219136007</u></a>
ANEETA THOMAS	<a href="#"><u>35219136008</u></a>
ANJALI P J	<a href="#"><u>35219136009</u></a>
AREENA. S	<a href="#"><u>35219136010</u></a>
ATHUL G PRASIDH	<a href="#"><u>35219136012</u></a>
BERTIN CHRISTY	<a href="#"><u>35219136013</u></a>
DINO JACOB	<a href="#"><u>35219136014</u></a>
EDWIN P.B.	<a href="#"><u>35219136015</u></a>
FREDY S.	<a href="#"><u>35219136016</u></a>
HAREESHNA A R	<a href="#"><u>35219136017</u></a>
JAFEEL NAZEER	<a href="#"><u>35219136018</u></a>
JEESMON TOMY	<a href="#"><u>35219136019</u></a>
JITHIN DENNISE	<a href="#"><u>35219136020</u></a>
JOSEPH YESUDAS	<a href="#"><u>35219136021</u></a>
JWALA R	<a href="#"><u>35219136022</u></a>
KRISHNA R.R.	<a href="#"><u>35219136023</u></a>
LITTLE FLOWER . M	<a href="#"><u>35219136024</u></a>
MANU BERLY	<a href="#"><u>35219136025</u></a>
MARSHAL AGASY M	<a href="#"><u>35219136026</u></a>
MERIN P.J.	<a href="#"><u>35219136027</u></a>
MUHSIN M	<a href="#"><u>35219136028</u></a>
NAVYA.S.A	<a href="#"><u>35219136029</u></a>
NISHIN P . B	<a href="#"><u>35219136030</u></a>
NITHISHKUMAR R	<a href="#"><u>35219136031</u></a>
PRAVEEN SUSAIYYA	<a href="#"><u>35219136032</u></a>
RONYMON T	<a href="#"><u>35219136033</u></a>
SAURAV SANTHOSH	<a href="#"><u>35219136034</u></a>
SEBASTIAN T. S.	<a href="#"><u>35219136035</u></a>
SHIBIN M.B.	<a href="#"><u>35219136036</u></a>
SIJO JOHN	<a href="#"><u>35219136037</u></a>

SOFI LEENA.S

35219136038

SREELAKSHMI P. D

35219136039

YESUDAS JOHNSON

35219136040

**Model Question Paper**  
**St. Michaels college cherthala**  
**Add on course examination**  
**Air Transport Operations**  
**Section – A**

**Write all the questions each question carries one mark**

1. Expand IATA.
2. Expand DGCA
3. Which is the largest airport in India?
4. Expand UFTAA
5. Expand PATA
6. What is air transport ?
7. Define logistics Management?
8. What is E-ticket?
9. What is Eurail pass?
10. Mention CRS.

**Section -B**

**Write any five questions each question carries a mark of two.**

11. Discuss the steps involved in baggage handling from check in to collection?
12. How does an airport manage lost or mishandled baggage?
13. Explain the security screening process for passengers and baggage?
14. Describe the role of air traffic control in managing aircraft movements on the ground and in the air?
15. Mention the freedoms of air
16. Discuss the importance of airport facilities such as runways, terminals and taxiways
17. Explain the major functions of DGCA in detail?
18. What is airport lounge?

**(5x2=10)**

**Section -C**

**Write any one question, it carry 10 mark .**

19. What are the key challenges faced by air traffic controllers?
20. Explain the role of airport staff in handling emergencies and ensuring passenger safety

**(10x1=10)**

<b>Add-On Cell</b>					
<b>St.Michael's College, Cherthala</b>					
<b>Class Schedule Format 2021-2022</b>					
Department: B VOC THM				Course: AIR TRANSPORT OPERATIONS	
Sl No	Date	Day	Time	Name ofTeacher	Class Room No
1	17-10-2021	Monday	03.30 to 04.30	ABRAHAMK	BVoc
2	19-10-2021	Wednesday	03.30 to 04.30	ABRAHAMK	BVoc
3	21-10-2021	Friday	03.30 to 04.30	ABRAHAMK	BVoc
4	28-10-2021	Friday	03.30 to 04.30	ABRAHAMK	BVoc
5	31-10-2021	Monday	03.30 to 04.30	ABRAHAMK	BVoc
6	2/11/2021	Wednesday	03.30 to 04.30	ABRAHAMK	BVoc
7	4/11/2021	Friday	03.30 to 04.30	ABRAHAMK	BVoc
8	7/11/2021	Monday	03.30 to 04.30	ABRAHAMK	BVoc

9	14-11-2021	Monday	03.30 to 04.30	ABRAHA MK	BVoc
10	16-11-2021	Wednesday	03.30 to 04.30	ABRAHA MK	BVoc
11	18-11-2021	Friday	03.30 to 04.30	JITHU VARGHESE	BVoc
12	21-11-2021	Monday	03.30 to 04.30	JITHU VARGHESE	BVoc
13	23-11-2021	Wednesday	03.30 to 04.30	JITHU VARGHESE	BVoc
14	25-11-2021	Friday	03.30 to 04.30	JITHU VARGHESE	BVoc
15	28-11-2021	Monday	03.30 to 04.30	JITHU VARGHESE	BVoc
16	30-11-2021	Wednesday	03.30 to 04.30	JITHU VARGHESE	BVoc
17	5/12/2021	Monday	03.30 to 04.30	JITHU VARGHESE	BVoc
18	7/12/2021	Wednesday	03.30 to 04.30	JITHU VARGHESE	BVoc
19	9/12/2021	Friday	03.30 to 04.30	JITHU VARGHESE	BVoc
20	12/12/2021	Monday	03.30 to 04.30	JITHU VARGHESE	BVoc
21	14-12-2021	Wednesday	03.30 to 04.30	ADARSH P MADHU	BVoc
22	16-12-2021	Friday	03.30 to 04.30	ADARSH P MADHU	BVoc



23	2/1/2022	Monday	03.30 to 04.30	ADARSH P MADHU	BVoc
24	4/1/2022	Wednesday	03.30 to 04.30	ADARSH P MADHU	BVoc
25	21-01-2022	Saturday	03.30 to 04.30	ADARSH P MADHU	B.Voc Hall
26	21-01-2022	Saturday	10.35 to 11.35	ADARSH P MADHU	B.Voc Hall
27	21-01-2022	Saturday	11.40 to 12.40	ADARSH P MADHU	B.Voc Hall
28	28-01-2022	Saturday	09.30 to 10.30	ADARSH P MADHU	B.Vo c Hall
29	28-01-2022	Saturday	10.35 to 11.35	ADARSH P MADHU	B.Vo c Hall
30	28-01-2022	Saturday	11.40 to 12.40	ADARSH P MADHU	B.Vo c Hall
<b>Course Coordinator</b>			<b>Head of the Department</b>		

Add-On Cell

St.Michael's College, Cherthala

Mark List

Discipline :B.Voc THM

Course Title : AIR TRANSPORT OPERATIONS

Date of Examination : 16/03/2022

Maximum Marks: 30

Candidate Name	Candidate Code	Marks obtained
ADITHYA .M	<a href="#"><u>35219136001</u></a>	28
AGNA JOSEPHINE		
MORRISON	<a href="#"><u>35219136002</u></a>	29
AISWARYA C.V.	<a href="#"><u>35219136003</u></a>	29
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ANCY ANIL	<a href="#"><u>35219136007</u></a>	25.5
ANEETA THOMAS	<a href="#"><u>35219136008</u></a>	23
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SIJO JOHN	<a href="#"><u>35219136037</u></a>	25
SOFI LEENA.S	<a href="#"><u>35219136038</u></a>	25
SREELAKSHMI P. D	<a href="#"><u>35219136039</u></a>	27
YESUDAS JOHNSON	<a href="#"><u>35219136040</u></a>	28



**ST. MICHAEL'S COLLEGE**

**CHERTHALA, ALAPPUZHA - 688 539**

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# **ADD-ON COURSE CERTIFICATE**

*This is to certify that* Miss. ANCY ANIL (35219136007) .....

**B.Voc Tourism & Hospitality Management 2019 Admission** .....*has completed*

*Certificate/Add-on course in* **Air Transport Operations (TM 377)** .....

..... *offered by the Development of Tourism  
Studies during the academic year 2021-2022. He/Shee is awarded with* **A** ..... *Grade.*

**Head of the Department**

**Course Coordinator**

**Principal**



  
*Principal*  
**St. Michael's College  
Cherthala**