

# PROSPECTUS



## POST GRADUATE DIPLOMA IN PORT MANAGEMENT



### GUJARAT UNIVERSITY

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## PROGRAM MANAGEMENT TEAM

**Dr. Parimal H. Trivedi**

Vice Chancellor, Gujarat University

## ADVISORS

**Mr. H. K. Dash, IAS**

Vice Chairman & CEO  
Gujarat Maritime Board

**Mr. Parimal Nathwani**

Group President, (Corporate Affairs)  
Reliance Industries Ltd.

**Mr. Bala K. Subramaniam**

Chairman, PMC Projects (India) Ltd  
Adani Group

**Cmde. J. C. Bhatia, I. N. (Retd.)**

President (Port), Gujarat Pipavav Port Ltd

## CHIEF CO-ORDINATORS

**Dr. R. P. Vasani**

Principal, Ahmedabad Institute of Technology

**Dr. Sarla Achuthan**

Director, B.K. School of Business Management

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**Er. Rajesh P. Doshi**

Port & Marine Consultant, M V Kiran & Co.

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**Er. Debasis Mitra**

General Manager(Construction)  
PMC Projects (I) Pvt. Ltd.

Co - ordinator (Curriculum)

**Prof. Anand Pandya**

HOD, Mechanical Department,  
Ahmedabad Institute of Technology

## FROM THE DESK OF



**Dr. Parimal H. Trivedi**  
Vice Chancellor  
Gujarat University

**Dr. Parimal H. Trivedi**  
Vice Chancellor  
Gujarat University

My heart often inspired me to make a contribution in the field of Marine Technology, Shipping and Ports related areas. In fact, I dreamt of introducing some professional courses under the aegis of Gujarat University. To start with Post Graduate Diploma course in Port Management has struck my mind. I would like to thank almighty for giving birth to my this dream child. I expect it to be brought up carefully with the support of all shipping and ports related bodies.

I am pleased to say that Gujarat University is having a privilege of launching a unique kind of Postgraduate Diploma course in Port Management for the first time in Gujarat, as this was an untouched area of studies till date in Gujarat.

The world is progressing fast with new inventions in the fields of technology, but then we also need trained professionals who really know the right applications of these rapidly changing technologies. In short, efficient professional managers are the need of the day in all walks of life in this age of globalization.

Gujarat is well known for trade & commerce since it's ancient times. One of the reasons for this is its geographical location. As we all know means of transportation are the hearts for trading, and ports are an essential part of this transport chain, especially with international trade. We have a large number of natural sites for ports along the coastline of Gujarat. This ensures us the bright future for the port industry in Gujarat, which is exciting & challenging. This present scenario leads us to think in the direction of moulding our youth into efficient port managers.

I am sure that, this specially designed course - Post Graduate Diploma in Port Management - would be beneficial to the students as well as the employers in the fields of port, shipping and related industries in the coming years.



**Mr. H. K. Dash, IAS**  
Vice Chairman  
& Chief Executive Officer  
Gujarat Maritime Board

## FROM THE DESK OF

**Mr. H. K. Dash, IAS**  
Vice Chairman & Chief Executive Officer  
Gujarat Maritime Board

Gujarat has been the cradle of maritime activities since time immemorial. Lothal and many such locations in Gujarat stand testimony to the maritime legacy. Gujarat seafarers have gone far and wide in terms of international trade.

Gujarat has made path breaking progress in the field of port infrastructure and trade with the policy of privatization. Gujarat is the first State to start a modern private port in Pipavav, the first State to have two LNG Terminals and one Chemical Port. Development is taking place in all directions in the coastal regions of the State, around the Ports. It is not for nothing that the Hon. Chief Minister of Gujarat has envisioned port-led development to become the harbinger of national prosperity.

In the above background, it is in the fitness of things that Gujarat must have a Maritime Institute providing maritime education and training. Gujarat Maritime Board will be with the development of the initiatives and steps in this direction. The step taken by Gujarat University in launching the Post Graduate Diploma course in Port Management will go a long way in imparting knowledge and skills to students not only in maritime management but also in the areas of preparing them to face the challenges of the sea.

I congratulate the Vice Chancellor Dr. P.H. Trivedi and his team for launching this course.

I wish the institution all success.

## FROM THE DESK OF



**Mr. Parimal Nathwani**  
Group President  
Reliance Industries Limited

**Mr. Parimal Nathwani**  
Group President  
Reliance Industries Limited

Gujarat University has launched Post Graduate Diploma in Port Management from this year. This program is launched at very appropriate time when Indian Economy is integrating with the global economy and especially when Gujarat State is proving to be major driver of the Indian industrial growth. Ports located in India and especially Gujarat play a very vital role in growth of economy and bilateral trade.

Need for such a program was felt for a long time. It is expected that it will help the industries in general and ports based industries in particular as well as the students who seek this specialization. The world is the field ground for students in any discipline of management. I am sure Gujarat University will design this program in a way that it will meet the expectations of all the stakeholders and will employ all its wherewithal to make the program efficacious for both the industries and the students with port management focus while keeping overall management perspective.

I congratulate the Gujarat University and the authority for taking this decision and wish that future managers of the industries take advantage of this.

With best wishes,



**Mr. Bala K. Subramaniam**  
Chairman (Non-Executive)  
PMC Projects (India) Ltd.  
(Adani Group)

**Mr. Bala K. Subramaniam**  
Chairman (Non-Executive)  
PMC Projects (India) Ltd.

The port industry worldwide is rapidly changing in line with the demands of global trade. India with its growth poised at over 8.0% per annum is expected to rapidly increase its share of International trade. The fast growth in the sea borne trade of India will mean a sustained increase in the demand for port services.

Efficient port operations and management will play an important part in reducing transportation costs which are critical to reducing the cost of imports and making exports competitive. The development of a number of new ports in the private sector and the expansion of existing port capacity will need competent personnel in the areas of port planning, development, operations and management.

The state of Gujarat as a leader in industrial growth is a premier destination for attracting investments in its Special Economic Zones. Gujarat with its long coastline and strategic location serving a large hinterland is well poised to service the needs of the country. The decision of the Gujarat university to establish the Post Graduate Diploma course in Port Management(PGDPM) at this critical juncture is commendable. It will fulfill the urgent need for well trained managers to serve the growing port, logistics and infrastructure industry. I congratulate the Vice Chancellor, Dr. Parimal H. Trivedi and his team and wish the program a success.

## MESSAGE FROM SUPPORTING BODIES



A positive a++ itude



**Ambuja  
Cement**



### **Gujarat Chemical Port Terminal Co. Ltd. - Mr. S.K. Anand** (Managing Director)

Gujarat Chemical Port Terminal Company Limited will extend its support to the learning process in corporate port management course. GCPTCL looks forward to your great success in this academic pursuit to create port professionals through the course of PG Diploma in Port Management and see your institution to become an institute of National Importance.

### **Petronet LNG Ltd. - Mr. R. K. Gupta** (Regional Manager)

Gujarat University has filled a vacuum in the field of shipping and port management related areas by introducing such a course in Gujarat. We express all our best wishes for the progress of the course.

### **Gujarat Pipavav Port Ltd. - Cmde. J. C. Bhatia, I.N.(Retd.),** President( Port)

Highly industrialized state of Gujarat needs highly qualified professionals in special areas. Port management is one such highly specialized area. This newly launched course in port management would be of immense help to profession-oriented graduates. We would do our level best for the growth of the course.

### **Essar Group - Mr. Harsh Shah** (Regional Director)

For the first time Gujarat is having a well designed compact program in Port Management. Undoubtedly, it is an intelligent step towards making India meet the needs of globalization. It is our pleasure to support such a course, which will benefit industries like ours and many more.

### **Dahej Harbour & Infrastructure Ltd.- Capt. K. S. Mathur** (General Manager- Marine Operations)

Gujarat University is doing great service to industry by bringing out the PGDPM course on 'Port Management'. It will help in filling up the gap of qualified port personnel. We extend our support for it.

### **Gujarat Ambuja Cements Ltd. - Mr. K K Jhwar**(General Manager-Port Operations)

We are thankful to Gujarat University for bringing such a course at the doorsteps of Gujarat – Ahmedabad and promise to provide all possible support in the coming years for the same.

### **Indian Petrochemicals Co. Ltd.**

Long time need of a course in port related areas is realized by Gujarat University. It is really a matter of appreciation. Anyone would feel great about being a part of it.

### **Gujarat Siddhi Cement/Saurashtra Cement Ltd. (Hathi Cement-Mehta Group)**

#### **Mr. Sanjay Bhatia** (Director Mktg.&PR.), **Mr. Pradip Kshatriya** (DGM)

Gujarat is reaching out to new horizons nowadays. This course launched by Gujarat University is an addition to it. This is just a start and long way to go. We are always with you.

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## ABOUT THE UNIVERSITY



CHANCELLOR

H.E. The Governor of Gujarat - Shri Navalkishor Sharma

VICE CHANCELLOR

Dr. Parimal H. Trivedi

REGISTRAR

Dr. Arvind V. Bhandari

On the recommendation of a committee constituted under the Chairmanship of Hon'ble G V Mavlankar, an Act was passed in 1949 by the Bombay Legislature for establishment and incorporation of Gujarat University as a teaching and affiliating university. The university was incorporated in November 1950. The university regulates, supervises and controls postgraduate instruction through its postgraduate centres and departments.

The university has 235 affiliated colleges and 15 recognised institutions with an enrolment of 70,966 students in year 2004-05.

### **Library & Research Facilities**

The university library holds over 3,34,110 books besides subscription to various periodicals and there is regular purchase of new additional books.

### **Scholarships and Fellowships**

National Merit Scholarships of Rs120 pm each, Junior Research Fellowship of Rs 8000 pm and Senior Research Fellowship of Rs 9000 pm each by UGC, for those who have cleared National Educational Test.

## PORT MANAGEMENT NEED OF THE DAY

Gujarat, situated on the western coast of India, is a principal Maritime State endowed with favourable strategic port locations. The prominence of Gujarat is by virtue of having nearly 1600 kms long coastline, which accounts for 1/3 rd of the coastline of India and being the nearest maritime outlet to Middle East, Africa and Europe. Gujarat has one major port and 40 other ports today.

From an analysis of the present investments and those that are flowing in, one can perceive a particular trend which is manifesting itself , investments are converging in and around potential port sites. Ports of Hajira , Dahej , Pipavav and Jamnagar are the best examples. The logic of locating these industries is rather clear, viz, the large business houses want to import industrial raw-materials and want access to the international market through sea routes, which is definitely more viable and feasible as against the surface transport or air transport. Another major advantage is that, Gujarat has a vast hinterland consisting of fast developing Northern and Central Indian States generating cargo. The States of Rajasthan, Madhya Pradesh, Western Uttar Pradesh, Delhi, Haryana, Punjab, Himachal Pradesh and Jammu Kashmir, which constitute 35% of the total exports, are potential customers for Gujarat ports.

The port activity, in terms of ship turnaround time, waiting time and average ship per day output, has a significant influence on development scenario. Globally , during the last decade, new technology development has taken place, especially in the container handling equipment and new port layout to accommodate container traffic. These developments demand new institutional set-up to help in solving the problems of port modernization. India's position as a global economic power- that is to take place, has to happen through ports of international class managed by well trained professionals.

Early in this 21st century, the future of the port industry in Gujarat, India and the world continues to be both exciting and challenging. Ports are increasingly challenged by the requirements of balancing accountability for safety & environmental protection against the necessities of competing for business. Infrastructure for quicker turn around of ships and environment concerns can not be omitted from the equation when planning ports of the future.

This specially developed course - Post Graduate Diploma in Port Management (PGDPM) - by Gujarat University, which is unique in nature and launched for the first time in Gujarat, is intended to provide underpinning knowledge to enable port management professionals to meet these challenges ahead.

The course aims to prepare the participant to understand the various techno - commercial and legal aspects of running the affairs of shipping & transport in general and a sea - port in particular. It covers topics which directly affect the economics of sea transport as well as operations and maintenance management in a port. All formalities and activities from the arrival of cargo through a ship/truck/pipeline till its despatch from the port will be explained by a well experienced faculty drawn from the University and port industries.

## ABOUT THE COURSE

## ACADEMIC PROGRAM



### General Entry Requirement :

A degree from a recognized university in Engineering / Science / Commerce (B.E. / B.Sc. / B.Com.) streams with minimum 55% marks.

**Program Duration :** Four Semesters - Two years.

**Total no of seats :** 30 (20-BSc/BE, 5-BCom, 5-NRI)

Note : Total sponsor seats can be up to 50%.

### Fees :

Merit Seats : Rs. 10,000 / Semester

Sponsor Seats : Rs. 20,000 / Semester

NRI seats : Rs. 25,000 / Semester or equivalent US\$

**Commencement of Semester :** 20th July 2006 (tentative)

### COURSE SYLLABUS

#### Semester-1

- Introduction to the Business of Ports Freight Station and Cargo Terminal Operations.
- Human Resource Management
- Finance Accounting and Budgeting
- Principles and Techniques of Project Management.
- Quantitative Techniques.
- Information Management Application of Information Technology.

#### Semester-2

- Environmental Protection Issues in Sea Transport and Port Operations
- Maritime\Port Economics
- Supply Chain Management.
- Bulk Material Handling-Methods and Management.
- Vessel and Container Traffic Control
- Effective Communications Verbal and Written expression skills.

#### Semester-3

- Dissertation\Project\Research work
- Maritime Management and Law
- Marine Insurance and Customs Procedures.
- Port Planning and Marine Operations Management
- Disaster Management Port Security and Emergency response.
- Terotechnology
- Shipping Ports and Port Development.

#### Semester-4

- Project Work.

## ACADEMIC DETAILS

- Course work shall be supervised by the Program Management Team in Port Management comprising of academicians, selected Port professionals, and experienced managers from Gujarat Maritime Board and other prominent enterprises having port facilities.
- Each participant will be affiliated to two supervisors. One of the supervisors will be the course Teacher and other will be a Professional in Port Management.
- First and second semester will be classroom sessions in basic management topics interspersed with orientation in port related subjects and visits.
- Course supervisors may suggest any reinforcement and remedial courses to his student to improve: Communication Skills – written and verbal, Mathematics, Each student will have to take this noncredit course for increasing his/her competency level during free time at own cost during the first two semesters.
- At the end of the second semester, each student is required to select the topic of the Dissertation\Project Work in consultation with his/her supervisors.
- There will be a Six weeks training at the selected port after completion of second semester and before beginning of third semester classes with specialized port related topics.
- Final grade awarded will be related to the student's performance in semester end examination\Assignments decided for continuous assessment of each semester.
- Supervisors will report to the Program Management Team about progress in project work and viva voce to defend the project work\Dissertation.

## FACULTY & FACILITIES

Gujarat university is supported by port authorities and port based industries like Gujarat Maritime Board, Reliance group, Essar group, Adani ports, Ambuja Cements, Pipavav Port to name a few. Besides the classroom and related facilities at the B. K. School of Business Management, Gujarat University campus in Navrangpura, Ahmedabad, actual port facilities are available to the program where students will be deployed for training.

Faculty for core management subjects will be from the B. K. School of Business Management and various management institutions in and around Ahmedabad. The expert faculty for various port and shipping related topics will be drawn from the supporting bodies and senior marine professionals, some of them mentioned here..

Name	Background	Specialization
Dr. R. P. Vasani	Ph.D (WRM-Civil), Post Doc. Res. Dip. Bus. Ent.	Harbour Engineering
Dr. H. B. Patel	Ph.D (Management), Vice President(Finance),GCPTCL.	Port Marketing and Finance
Mr. Debasis Mitra	General Manager, PMC Projects (I) Pvt. Ltd.	Project Planning
Prof. Anand Pandya	M. Tech. Mech. Engg., HOD Mechanical Dept., AIT	Material Handling Systems
Mr. Jaykar N Vyas	Marine Engineer, Former surveyer, Mercantile Marine Dept.,	Shipping Laws & Survey Regulations
Capt. Harin Pandya	Master Mariner. Harin Marine Services Pvt. Ltd.	Operations in Private Ports & Coastal Shipping
Mr. Umesh Shah	M.S. Electronics. IT consultant	Use of I.T. for improvement of business operation
Mr. Rajesh Doshi	Marine Engr., M.V. Kiran & Co., Port & Marine Consultants	Port operations and flotilla.
Mr. M. Mankad	B.E. Mech., former Executive Enginner.	Port Craft Management

## SUPPORTING BODIES

Gujarat Maritime Board

Reliance Industries Ltd.

Gujarat Ambuja Cements Ltd.

PMC Projects (Adani Group)

Gujarat Pipavav Port Ltd.

Gujarat Chemical Port Terminal Co. Ltd.

Dahej Harbour & Infrastructure Ltd.

Petronet LNG Ltd.

Indian Petrochemicals Co. Ltd.

Essar Group

Gujarat Siddhi Cement.

## SUPPORTING EXPERTS

Mr. V. P. Shah - former Vice Chairman, Gujarat Maritime Board

Mr. G. S. Patel - former Chief Engineer, Gujarat Maritime Board

Mr. Rajkamal Gupta - Regional Manager, Petronet LNG Ltd.

## POST GRADUATE DIPLOMA IN PORT MANAGEMENT



## PORTS IN GUJARAT





SINCE 1949

**GUJARAT UNIVERSITY**

**AHMEDABAD**

**FRONT VIEW**

**REAR VIEW**

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