

ONE DAY  
NATIONAL LEVEL  
FACULTY DEVELOPMENT PROGRAMME  
ON

# UNDERWATER COMPUTING & COMMUNICATIONS

Second Edition

August 30, 2018

REGISTRATION FORM

Name : .....

Designation : .....

Organization : .....

Educational  
Qualifications : .....

Address for  
Communication : .....

Mobile Number : .....

E-mail ID : .....

DD No. & Date : .....

Date : *Signature*

Place : *&  
Seal*

With the best Compliments from

THE MANAGEMENT

PRINCIPAL

VICE PRINCIPAL

and the

Faculty of the  
DEPARTMENT OF COMPUTER  
SCIENCE

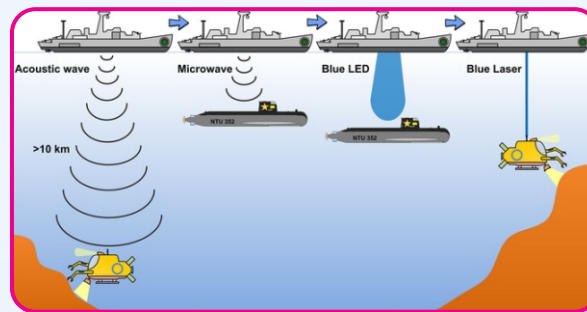
Dr. G.R. DAMODARAN  
COLLEGE OF SCIENCE  
(Autonomous)

CO-ORDINATORS

Dr. K. VANITHA

and

Dr. M. SUGUNA



For further information, please contact  
The Department of Computer Science

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ON

# UNDERWATER COMPUTING & COMMUNICATIONS

Second Edition

August 30, 2018

Venue :

Charles Babbage Conference Hall  
Dr. G.R. DAMODARAN  
COLLEGE OF SCIENCE  
(AUTONOMOUS)  
Coimbatore – 641 014



Organized by the

Department of Computer Science

Dr. G. R. DAMODARAN  
COLLEGE OF SCIENCE  
(Autonomous)

(Autonomous, affiliated to the Bharathiar  
University and recognized by the UGC)

Re-accredited at the 'A' Grade level by the NAAC

An ISO 9001:2008 Certified Institution  
Civil Aerodrome Post □ Avinashi Road  
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## THE INSTITUTION

# Dr. G. R. DAMODARAN COLLEGE OF SCIENCE (Autonomous)

was established in the year 1988 with the objective of offering quality higher education and to provide the State-of-the-Art Infrastructure in the Modern and Emerging areas of Relevance. The College enjoys the legacy of the great founder in terms of his vision and his unswerving commitment to quality and vision.

The College has been **Re-accredited** at the '**A**' Grade level by the **National Assessment and Accreditation Council** and has been awarded the **Autonomous Status**. It is the first **Self-Financing College** and the **youngest Institution** to obtain the highest rating awarded by the **NAAC**.

## DEPARTMENT OF COMPUTER SCIENCE

The Department is nurtured by an eminent Management, Director, Faculty and the Students. The Department offers **UG Courses, PG Courses & Research Programmes**. The Department is involved in various Research activities like organizing Symposiums, Conferences, Workshops etc., on Research Tools.

The Department has a good number publications by their Faculty Members. The Department has a dedicated team of Faculty Members besides the supporting staff. The Department has a good placement record. Students are placed in the top IT Companies.

## ABOUT THE FDP

The Oceans cover 71% of the Earth's surface and is one of the least explored Frontiers. The

oceans are integral to the climate regulation, nutrient production, oil retrieval, and transportation. Water Systems are of vital importance to the life on earth and Commerce. For these reasons, there is a significant interest in monitoring the aquatic environments for Scientific, Environmental, Commercial, Safety and Military purposes.

The Computing is unavoidably fabricated in every walk of life to facilitate the Human kind. Underwater Networks is one of the emerging fields to serve the world with its technological nuances. The object is to explore the significant advances and modalities of this field so as to help the Academic Community. The resultant effect is the conduct of the second edition of the **FDP** on Underwater Communications with a clear prediction of research activities and the highlights of the present Scenario. The Current Researches are pooled in the Campus for a healthy interaction.

### The topics include :

- ❖ Underwater Networking and Systems Architecture.
- ❖ Underwater Acoustic Modeling and Signal Processing.
- ❖ Unmanned Underwater Vehicles.
- ❖ Networked Underwater Robotics and Systems.
- ❖ Coordinated Energy Harvesting Systems.
- ❖ Energy-Efficient Algorithms, and Protocol Designs for Underwater Networks.
- ❖ Data Aggregation Systems from the Ocean.
- ❖ Marine Pollution & Environmental Issues of the Ocean & Coastal Regions.
- ❖ Modeling, Simulation, and Test beds for Underwater Systems and Platforms.
- ❖ Application requirements for Underwater Networks, Signals/Image Processing.

### Eligibility for Participating in the Programme :

Motivated individuals from reputed Academic Organizations / Research Institutes, interested in the Course Themes can participate. Participants can be from any of the three Categories.

- ❖ Faculty Members.
- ❖ Research Scholars Working Full Time / Part Time.
- ❖ Industry Practitioners.

## REGISTRATION PROCEDURE

Those interested in registering may do so providing information regarding themselves with a brief bio-data and all related supporting information. They may also submit a one page write up regarding their expectations and learning objectives from this Course. Applicants will be screened depending upon their background, eligibility and motivation. **Applications should be received on or before the 24th August, 2018.**

### COURSE FEE :

For the Faculty Members	:	₹ 175 /-
For the Industry Delegates	:	₹ 250 /-
For the Scholars	:	₹ 100 /-

### Lunch and kits will be provided

The interested persons can send their filled in registration forms along with the DD drawn in favor of **"Dr.G.R.Damodaran College of Science (Autonomous)"**, payable at Coimbatore by Courier / Post to

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### Resource Person

## Dr. G. A. RAMADASS

Group Head

Scientist - G

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(An Autonomous Body under the Ministry  
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