School of Mobile Computing and Communication  
Jadavpur University  

organizes  

UGC Refresher Course on  

Security in Wired and Wireless Networks  

in collaboration with  

UGC Academic Staff College, Jadavpur University  

Dates: 4th July to 23rd July 2011  
Venue: Jadavpur University, Salt Lake Campus  
Block – LB, Plot – 8, Sector III  
Kolkata – 700 098  
TelFax – 033 2335 6122  

INTRODUCTION:  

The primary objective of computer security is protection of information and property/resources, while at the same time, allowing them to remain accessible and productive to its intended users only. In a nutshell, security means the collective mechanisms and/or tools by which sensitive and valuable information and services are protected from publication, tampering or destruction by unauthorized activities/events or untrustworthy individuals. The aim of security is to rather prevent unwanted behavior than enable wanted behavior.  

In recent days nothing can be perceived without the concept of networking, be it wired or wireless. Since networks are meant for flow of information, information security thus becomes an integral part of network security. Provision of security in wired networks is considerably simpler than providing security to wireless networks because of the inherent constraints present in wireless networks.  

COURSE OVERVIEW:  

This course will focus on various aspects of security, mechanisms of security and present day technologies. The primary focus will be on network security covering both wired and wireless networks. Given the nature and volume of the work done in order to make networks secure, it may not be possible to cover each and every research work in details during this course. However, participants will not only attend theoretical classes, but also, practical sessions featuring demonstrations.
An overview of the course content is given below:

- Overview of computer security
- Information coding
- Cryptography
- Operating System security
- Security in wired networks: security protocols
- Security in wireless networks: different security protocols including multimedia protocols
- Security in Wireless Sensor Network: protocols, operating system
- Enterprise security
- Steganography
- Trust and Assurance

ELIGIBILITY

Full time faculty members of AICTE/UGC approved colleges and Universities of India are eligible for the course.

APPLICATION PROCEDURE

Hard copy of the application in plain paper (see the Jadavpur University website) duly forwarded by the Head of the Institution, should reach the Director, ASC by 20th June 2011. Scanned pdf file of the signed and duly forwarded application form must be sent by e-mail to the coordinators (should reach before 15th June, 2011).

COURSE FEE

All candidates must send a Demand Draft / Banker’s Cheque of Rs. 500/- as ‘Registration fee’ (nonrefundable) in favour of 'JADAJPUR UNIVERSITY’ drawn on SBI, payable at Kolkata only after receiving the intimation of their provisional selection in refresher course. Acceptance of application shall be as per eligibility norms of UGC.

FOODING & LODGING

As per UGC norms, the selected outstation participants will be entitled to 2nd class railway fare (AC 3 tier over 500 kms or more than 12 hours of journey) and daily Rs. 200/- towards boarding and lodging while the local participants will be entitled to Rs. 100/- for daily hospitality. Outstation participants should arrange for their own accommodation. However, the course coordinator may provide necessary help in this regard if informed by 15th June, 2011.

MAILING ADDRESS

Course Coordinator:
Dr. Sarmistha Neogy, Sm. Chandreyee Chowdhury  
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Director ASC:  

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Application form can be downloaded from: http://www.jaduniv.edu.in/asc.php