



## FACULTY DEVELOPMENT PROGRAMME (FDP) ON

# APPLIED CRYPTOGRAPHY

(25<sup>th</sup> March 2019 to 30<sup>th</sup> March 2019)



Organized by  
**Lendi Institute of Engineering and Technology, Vizianagaram**  
in association with  
**E & ICT Academy, National Institute of Technology, Warangal.**  
(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

### Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

### About the Workshop:

As part of this initiative, a Faculty Development Programme (FDP) on Applied Cryptography is being conducted at Department of Computer Science and Engineering, LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY Jonnada Village, VZM Dist, A.P. The whole course is handled by academicians and industry experts.

### Major Course Contents:

- Security protocols and mechanisms
- Cryptography algorithms
- Programming using multi precision library (GMP)
- Other related tools SAGE and NTL
- Hands on to design and implementation of Elliptic Curve Cryptography (ECC)
- Introduction to Network Security
- Network security tools (Wireshark, Metasploit, NMAP, SNORT)
- Digital signatures, Digital certificates, certificate authorities and PKI
- SSL, IPsec and Kerberos
- Hands on to design and implementation of secure protocols.

### Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

### Eligibility:

The programme is open to the faculty of engineering colleges, MCA colleges and other allied disciplines in India. Industry personnel working in the concerned/allied discipline can also attend

### Registration Fee Particulars:

Faculty and Research Scholars	Rs. 2500/-
Faculty of SC/ST Category	Rs. 1875/- (SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form)
Industry Participants	Rs. 7500/-

SC/ST concession is only for faculty of mentioned states.  
Research Scholars are not eligible for SC/ST concession.

The fee is to be paid either in the form of DDs or online transfer using the following details:

DD Details	Online Transfer Details
Demand Draft in favor of "Director, NIT Warangal" payable at any bank in Warangal	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

### Accommodation:

No TA/DA will be paid to the participants. Accommodation is arranged for outstation participants at Lendi Institute of Engineering and Technology, Vizianagaram campus. Working Lunch, Tea & Snacks and Dinner would be provided during the training

### How to apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through e-mail to [ramarao.adimalla@lendi.org](mailto:ramarao.adimalla@lendi.org) as selection will be intimated only through mail. FDP duration is 6 (six) days.

### Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

### Important dates:

Last date (Application & DD)	10/03/2019
Selection List by E- mail	13/03/2019
Duration	25th – 30th March 2019

### About NIT Warangal:

**National Institute of Technology, Warangal** is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

### About LIET, Vizianagaram:

**Lendi Institute of Engineering & Technology** a premiere Institution is established by a divine body of committed intelligentsia of Visakhapatnam to cater to the needs of young graduates of technology. It is just 35 km away from Vizag; situated at outskirts of city in a serene atmosphere having divine touch of Lendi – a flower garden beside NH-43. Its aim is to create a unique scenario of eligible and elegant engineers to be brought out into the society to compete with and complete the realistic technological needs of India. Lendi is established under the aegis of SAI DHAMAM EDUCATIONAL TRUST, Visakhapatnam which is born with the sacred objective of providing educational opportunities to the ever increasing engineering aspirants.



**APPLICATION FORM**  
**FACULTY DEVELOPMENT PROGRAMME (FDP)**  
**ON**



**APPLIED CRYPTOGRAPHY**  
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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
- 6.

DD	Online Transfer
DD No:	Reference No:
Amount:	
Bank :	
Date:	

7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):  
Teaching:      Research:      Industry:
12. Accommodation required:      YES /NO
13. Do you belong to SC/ST :      YES /NO  
(If yes, please specify and attach a copy of caste certificate to claim the concession)

**Declaration**

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Signature of the Applicant

**SPONSORSHIP CERTIFICATE**

Dr. /Mr. /Ms. .... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “ **APPLIED CRYPTOGRAPHY**”, sponsored by Electronics & ICT Academy during 25<sup>th</sup> – 30<sup>th</sup> March, 2019 at LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY Vizianagaram, Andhrapradesh.

Signature of Head of Institution  
(With seal)

**Address for correspondence**

*Post your application form with DD to*

**Dr. R. Rajender,**  
**Professor, Department of CSE,**  
**Lendi Engg College, Viziaganagaram**  
**Email: ramarao.adimalla@lendi.org**  
**Mobile: +91 9490107528, 9182537721**

*E-mail the scanned copies of filled-in and duly signed application form along with DD to*

*For more details about Electronics & ICT Academy, NIT, Warangal, please visit:*  
<https://nitw.ac.in/eict>

*For more enquiries please contact*  
**Dr R. Rajender,**  
**Email: ramarao.adimalla@lendi.org**  
**Mobile: +91 9490107528, 9182537721**

**Coordinators**

Dr. R. Padmavathy  
Associate Prof, Dept of CSE  
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