

PROFORMA FOR ITEC/SCAAP COURSES 2017-18

<p>Name of the Institute: National Crime Records Bureau</p> <p>Full Address (with PIN CODE): East Block-7, Sector-1, R K Puram New Delhi - 110066</p> <p>Telephone Numbers: +9111 26101767</p> <p>Fax Numbers: +911126180347</p> <p>Email: ncrbtrg@gmail.com ; training@ncrb.nic.in</p> <p>Website: www.ncrb.gov.in</p>	<p>Head of the Institute: Name : Dr. Ish Kumar, IPS Designation : Director, NCRB Tel. No. : +911126104648 Fax: No. : +911126186576 Email : director@ncrb.nic.in</p> <hr/> <p>ITEC Course Coordinator: Name : Dr. Pawan Bhardwaj Designation : Joint Assistant Director (Trg) Tel. No. : +911126101767 Fax: No. : +911126180347 Email : training@ncrb.nic.in Mobile No. : +918800897906</p>
<p>24 hrs Emergency / After Office / Holidays Contact Details: Name & Designation: Dr. Pawan Bhardwaj, JAD(Trg.) Tel. No. : +911126101767 Mobile No. : +919313498559 (Mr. Unnikrishnan)</p>	

Name and Details of Courses proposed along with Duration and Dates

Sl. No.	Name of the Course	Qualification required	Duration (in weeks)	Period		Maximum number of seats	Minimum number of seats
				From	To		
1	Cyber Crime & Network Security	Preferably Graduates Knowledge of Computer operation	8	03/07/2017	25/08/2017	30	20
2	Advanced Fingerprint Science	Preferably Graduates Working knowledge of Fingerprint Analysis	8	03/07/2017	25/08/2017	35	20

3	I T in Law Enforcement	Preferably Graduates Knowledge of Computer operation	8	03/10/2017	24/11/2017	35	20
4	Advanced Fingerprint Science	Preferably Graduates Working knowledge of Fingerprint Analysis	8	03/10/2017	24/11/2017	35	20
5	Advanced Course on I.T. in Law Enforcement	1.Preferably Graduates 2.Knowledge of Computer Programming	8	01/01/2018	23/02/2018	30	20
6	Advanced Fingerprint Science & I.T.	Preferably Graduates Working knowledge of Fingerprint Analysis	8	01/01/2018	23/02/2018	35	20

INDIVIDUAL COURSE DETAILS

A. Name of the Institute	NATIONAL CRIME RECORDS BUREAU
B. Name/Title of the Course	Cyber Crime & Network Security
<p>C. Course Dates with Duration in Weeks</p> <p><i>[note: dates may be fixed keeping in mind festivals, holidays, weather conditions, availability of accommodations, etc. No request for change in dates, once approved/ circulated will be entertained]</i></p>	<p>From 03-07-2017 to 25-08-2017</p> <p>In weeks: 8 Weeks</p>
<p>D. Eligibility Criteria for Participants</p> <p>1. Educational Qualifications</p> <p>2. Work Experience required, if any</p> <p>3. Age Limit</p> <p><i>[note: ITEC norms is 25-45 years]</i></p> <p>4. Target Group <i>[Level of participants and target ministries/departments etc. may be indicated]</i></p>	<p>Preferably Graduate</p> <p>Middle level decision making Law Enforcement officers with at least 6 years of service in Information Technology field. They should be able to speak, read & write English.</p> <p>. up to 45 years</p> <p>Officers/officials from law enforcement agencies doing I.T. related jobs.</p>
E. Aims & Objectives of the Course	<p>To expose participants to the latest technologies and issues related to Cyber Security.</p> <p>To provide in depth knowledge in Networking Concepts, vulnerability assessment and penetration testing.</p> <p>To familiarize the participants with Network Security & Security Management Practices.</p>
F. Course Contents / Syllabus <i>[please attach course details / profile in Word Format for uploading on ITEC]</i>	<p>Cyber Security Concepts:</p> <p>Introduction to Cyber crime</p>

website]

Cyber Laws
Cyber Forensic
Mobile Forensics
Computer Forensics
Cyber terrorism
Police Perspective in Cyber Security

Information Security Concepts

Information Security Overview\
Background and Current Scenario
Types of Attacks
Goals for Security
E-commerce Security
Steganography

Cryptography / Encryption

Introduction to Cryptography /
Encryption
Digital Signatures
Public Key infrastructure
Applications of Cryptography
Tools and techniques of Cryptography

Server Management and Firewalls

User Management
Overview of Firewalls
Types of Firewalls
DMZ and firewall features

Emerging Topics

ATM Theft & Credit/Debit Card
Fraud
Open Proxies
Key Loggers
Wi-Fi Security
SQL Injection

Special Session

Crime Analysis

	<p>Polygraphy</p> <p>IT applications in Indian Policing</p> <p>Project:- To design & develop a theses on network security related topics</p>
<p>G. Mode of evaluation of performance of the participants</p>	<p>Quiz/Written Test after each module.</p> <p>Evaluation of Project developed by trainees by experts in the field.</p>

INDIVIDUAL COURSE DETAILS

A. Name of the Institute	NATIONAL CRIME RECORDS BUREAU
B. Name/Title of the Course	Advanced Fingerprint Science
C. Course Dates with Duration in Weeks <i>[note: dates may be fixed keeping in mind festivals, holidays, weather conditions, availability of accommodations, etc. No request for change in dates, once approved/ circulated will be entertained]</i>	From 03-07-2017 to 25-08-2017 In weeks: 8 Weeks
D. Eligibility Criteria for Participants 1. Educational Qualifications 2. Work Experience required, if any 3. Age Limit <i>[note: ITEC norms is 25-45 years]</i> 4. Target Group <i>[Level of participants and target ministries/departments etc. may be indicated]</i>	Preferably Any Basic Finger Print Training already attended\ Diploma\ Graduate Middle level decision making officers engaged in Fingerprint Identification activities with at least 5 years of service. They should be able to read, write & speak English. upto 45 years Officers/officials from law enforcement agencies having working knowledge of Fingerprint Analysis
E. Aims & Objectives of the Course	To acquaint the participants with the current trends & developments in the processing of fingerprints. To familiarize the participants with modern equipments, advancement and use of computers in fingerprint science.
F. Course Contents / Syllabus <i>[please attach course details / profile in Word Format for uploading on ITEC website]</i>	<ul style="list-style-type: none"> • Office Automation Concepts • Operating System Windows 10 • MS-Office 2010 • Introduction, History and Principles of Finger Print Science

- Use of Biometrics for Individualization
 - Finger Print Patterns & Classification
 - Taking fingerprints of living persons and cadaver
 - Use of Portable F P Live Scanning System
 - Comparison of Identical Finger Prints marking of Ridge Characteristics
 - Law of probability & Biology behind infallibility of Friction Ridge Evidence
 - Photography of finger prints (Analog & Digital)
 - Examination of scene of crime for friction Ridge Evidence
 - Detection & Development of chance prints by conventional and modern forensic methods
 - Use of Advanced equipments for Fingerprint Analysis
 - Presenting Finger Print Evidence in the Court of Law
 - Cross-examination of FP Experts & 'Daubert Ruling'
 - Important Court Rulings w.r.t. Fingerprint Evidence
 - Study of Level-3 details in fingerprints
 - Poroscopy & Edgeoscopy
 - Detection of forgery of Fingerprints
 - Automated Finger Print Identification System (AFIS)
 - Recent trends in Finger Print Science across the world
 - Discussion on famous International cases involving FP Science like wrong FP report in 'Madrid Blast Case'
 - Special Sessions
- Crime Analysis
- Polygraphy
- Fingerprint applications in Indian

	<p>Policing</p> <p>Project-Examination of questioned documents & science of crime</p>
<p>G. Mode of evaluation of performance of the participants</p>	<p>Quiz/Written Test after each module.</p> <p>Evaluation of Project developed by trainees by experts in the field.</p>

INDIVIDUAL COURSE DETAILS

A. Name of the Institute	NATIONAL CRIME RECORDS BUREAU
B. Name/Title of the Course	Information Technology in Law Enforcement
C. Course Dates with Duration in Weeks <i>[note: dates may be fixed keeping in mind festivals, holidays, weather conditions, availability of accommodations, etc. No request for change in dates, once approved/ circulated will be entertained]</i>	From 03-10-2017 to 24-11-2017 In weeks: 8 Weeks
D. Eligibility Criteria for Participants 1. Educational Qualifications 2. Work Experience required, if any 3. Age Limit <i>[note: ITEC norms is 25-45 years]</i> 4. Target Group <i>[Level of participants and target ministries/departments etc. may be indicated]</i>	Preferably Graduate Middle level decision making Law Enforcement officers with at least 6 years of service in Information Technology field. They should be able to speak, read & write English. .upto 45 years Officers/officials from law enforcement agencies doing I.T. related jobs
E. Aims & Objectives of the Course	To provide an in-depth knowledge in designing and development of application software for police for day-to-day police related work. To familiarize participants with the management of crime records and crime analysis using IT tools.
F. Course Contents / Syllabus <i>[please attach course details / profile in Word Format for uploading on ITEC website]</i>	Office Automation Concepts Operating System – Windows 7 MS-Office 2010 Concepts of Software Engineering Database Concepts MS-Access

	<ul style="list-style-type: none"> - Application development - Data Analysis - Reporting Concepts <p>Basic Crime analysis</p> <ul style="list-style-type: none"> - Link analysis <p>Upgrading database from MS-Access to SQL Server 2012</p> <p>RDBMS- SQL Server Concepts</p> <p>Network Concept Overview</p> <p>Cyber Security overview.</p> <p>Special Sessions on : Crime Analysis/Polygraph/IT applications in Indian Policing</p> <p>Project:- To design & develop Software Packages for police applications using MS-Access / SQL Server 2012 with adequate security features.</p>
<p>G. Mode of evaluation of performance of the participants</p>	<p>Quiz/Written Test after each module.</p> <p>Evaluation of Project developed by trainees by experts in the field.</p>

INDIVIDUAL COURSE DETAILS

A. Name of the Institute	NATIONAL CRIME RECORDS BUREAU
B. Name/Title of the Course	Advanced Fingerprint Science
C. Course Dates with Duration in Weeks <i>[note: dates may be fixed keeping in mind festivals, holidays, weather conditions, availability of accommodations, etc. No request for change in dates, once approved/ circulated will be entertained]</i>	From 03-10-2017 to 24-11-2017 In weeks: 8 Weeks
D. Eligibility Criteria for Participants 1. Educational Qualifications 2. Work Experience required, if any 3. Age Limit <i>[note: ITEC norms is 25-45 years]</i> 4. Target Group <i>[Level of participants and target ministries/departments etc. may be indicated]</i>	Preferably Any Basic Finger Print Training already attended\ Diploma\ Graduate Middle level decision making officers engaged in Fingerprint Identification activities with at least 5 years of service. They should be able to read, write & speak English. Officers/officials from law enforcement agencies having working knowledge of Fingerprint Analysis
E. Aims & Objectives of the Course	To acquaint the participants with the current trends & developments in the processing of fingerprints. To familiarize the participants with modern equipments, advancement and use of computers in fingerprint science.
F. Course Contents / Syllabus <i>[please attach course details / profile in Word Format for uploading on ITEC website]</i>	<ul style="list-style-type: none"> • Office Automation Concepts • Operating System Windows 10 • MS-Office 2010 • Introduction, History and Principles of Finger Print Science • Use of Biometrics for

Individualization

- Finger Print Patterns & Classification
- Taking fingerprints of living persons and cadaver
- Use of Portable F P Live Scanning System
- Comparison of Identical Finger Prints marking of Ridge Characteristics
- Law of probability & Biology behind infallibility of Friction Ridge Evidence
- Photography of finger prints (Analog & Digital)
- Examination of scene of crime for friction Ridge Evidence
- Detection & Development of chance prints by conventional and modern forensic methods
- Use of Advanced equipments for Fingerprint Analysis
- Presenting Finger Print Evidence in the Court of Law
- Cross-examination of FP Experts & 'Daubert Ruling'
- Important Court Rulings w.r.t. Fingerprint Evidence
- Study of Level-3 details in fingerprints
- Poroscopy & Edgeoscopy
- Detection of forgery of Fingerprints
- Automated Finger Print Identification System (AFIS)
- Recent trends in Finger Print Science across the world
- Discussion on famous International cases involving FP Science like wrong FP report in 'Madrid Blast Case'
- Special Sessions on : Crime Analysis/Polygrph/Fingerprint applications in Indian Policing

Project-Examination of questioned documents

	& science of crime
G. Mode of evaluation of performance of the participants	Quiz/Written Test after each module. Evaluation of Project developed by trainees by experts in the field.

INDIVIDUAL COURSE DETAILS

A. Name of the Institute	NATIONAL CRIME RECORDS BUREAU
B. Name/Title of the Course	Advanced Course on Information Technology in Law Enforcement
C. Course Dates with Duration in Weeks <i>[note: dates may be fixed keeping in mind festivals, holidays, weather conditions, availability of accommodations, etc. No request for change in dates, once approved/ circulated will be entertained]</i>	From 01-01-2018 to 23-02-2018 In weeks: 8 Weeks
D. Eligibility Criteria for Participants 1. Educational Qualifications 2. Work Experience required, if any 3. Age Limit 4. Target Group <i>[Level of participants and target ministries/departments etc. may be indicated]</i>	Preferably Graduates Middle level decision making Law Enforcement officers with at least 5 years of service and knowledge of computer programming. They should be able to speak, read & write English. . upto 45 years Officers/officials from law enforcement agencies doing I.T. related jobs.
E. Aims & Objectives of the Course	To provide an in-depth knowledge in designing and development of application software for police for day-to-day police related work. To familiarize participants with the management of crime records and crime analysis using IT tools. To expose participants to the latest technologies like VB.Net, ASP.Net, Web Designing and issues related to Cyber Security.
F. Course Contents / Syllabus <i>[please attach course details / profile]</i>	Office Automation Concepts -Windows 10/Office-2010 Concepts of Software Engineering Visual Basic.NET(VB.NET) 2013 Basics RDBMS: SQL Server 2012

	<p>Database Application with VB.NET 2013</p> <p>Web Designing Concepts -HTML</p> <p>Web Designing with ASP .NET 2013</p> <p>Basic Crime Analysis</p> <p>Link Analysis</p> <p>Crime Analysis tools: A Study on Devinfo / Crimeinfo, CCTNS (Crime & Criminal Tracking Network & System) etc.</p> <p>Networks & e-Security</p> <p>Exposure to Cyber Security.</p> <p>Special Sessions</p> <p>Crime Analysis</p> <p>Polygraph</p> <p>IT applications in Indian Policing</p> <p>Project:- To design & develop Software Packages for police applications using VB.NET/ASP.NET & SQL Server</p>
<p>G. Mode of Evaluation of performance of the participants</p>	<p>Quiz/Written Test after each module.</p> <p>Evaluation of Project developed by trainees by experts in the field.</p>

INDIVIDUAL COURSE DETAILS

A. Name of the Institute	NATIONAL CRIME RECORDS BUREAU
B. Name/Title of the Course	Advanced Fingerprint Science & IT
C. Course Dates with Duration in Weeks <i>[note: dates may be fixed keeping in mind festivals, holidays, weather conditions, availability of accommodations, etc. No request for change in dates, once approved/ circulated will be entertained]</i>	From 01-01-2018 to 23-02-2018 In weeks: 8 Weeks
D. Eligibility Criteria for Participants 1. Educational Qualifications 2. Work Experience required, if any 3. Age Limit 4. Target Group <i>[Level of participants and target ministries/departments etc. may be indicated]</i>	Preferably Any Basic Finger Print Training already attended\ Diploma\ Graduate Middle level decision making officers engaged in Fingerprint Identification activities with at least 5 years of service. They should be able to read, write & speak English. upto 45 years Officers/officials from law enforcement agencies having working knowledge of Fingerprint Analysis
E. Aims & Objectives of the Course	To provide an in-depth knowledge in operating computers & using latest Office Automation software in day-to-day work. To acquaint the participants with the current trends & developments in the processing of fingerprints. To familiarize the participants with modern equipments, advancement and use of computers in fingerprint science.
F. Course Contents / Syllabus <i>[please attach course details / profile]</i>	<ul style="list-style-type: none"> • Office Automation Concepts • Operating System Windows 10 • MS-Office 2010 • Introduction, History and Principles of Finger Print Science • Use of Biometrics for Individualization • Finger Print Patterns & Classification • Taking fingerprints of living persons

	<p>and cadaver</p> <ul style="list-style-type: none"> • Use of Portable F P Live Scanning System • Comparison of Identical Finger Prints marking of Ridge Characteristics • Law of probability & Biology behind infallibility of Friction Ridge Evidence • Photography of finger prints (Analog & Digital) • Examination of scene of crime for friction Ridge Evidence • Detection & Development of chance prints by conventional and modern forensic methods • Use of Advanced equipments for Fingerprint Analysis • Presenting Finger Print Evidence in the Court of Law • Cross-examination of FP Experts & ‘Daubert Ruling’ • Important Court Rulings w.r.t. Fingerprint Evidence • Study of Level-3 details in fingerprints • Poroscopy & Edgeoscopy • Detection of forgery of Fingerprints • Automated Finger Print Identification System (AFIS) • Recent trends in Finger Print Science across the world • Discussion on famous International cases involving FP Science like wrong FP report in ‘Madrid Blast Case’ • Special Sessions on : Crime Analysis/Polygarph/Fingerprint applications in Indian Policing <p>Project-Examination of questioned documents & science of crime</p>
<p>G. Mode of Evaluation of performance of the participants</p>	<p>Quiz/Written Test after each module.</p> <p>Evaluation of Project developed by trainees by experts in the field.</p>

