TOP
Criminal Justice Consultancy

adding value to learning

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UNDERSTANDING FINGERPRINTS – AN AWARENESS COURSE

Why You Should Attend This Course

This is the Understanding Fingerprints Course aimed towards gaining an awareness of its history and many of the features required to make a fingerprint identification. It includes a rudimentary rationale and information concerning the uniqueness of fingerprints, why and how fingerprints are taken for comparison and identification and the opportunity to undertake basic practical exercises in this type of work including fingerprint pattern recognition which complements the Principles of Fingerprint Identification in Analysis, Comparison, Evaluation and Verification (ACE – V) and the 3 levels of detail.

2   The information will demonstrate how to successfully achieve accurate and consistent results, searching and identification skills including an elementary insight into digit/palm determination. The objective is to present a basic awareness and understanding of the value of fingerprints and to appreciate some of the features required by the potential fingerprint expert when making identifications. This course presents an opportunity to add value and vital experience to your learning journey in the 'world of fingerprints' and more informed in fingerprint pattern recognition, comparison of fingerprints, fingerprint identification and digit determination & palmar determination as *prima facie* evidence.

3   The course has been customized for officers who have an interest or involvement in working with tenprints or scene of crime marks i.e. investigation/enforcement officers, scene of crime officers, fingerprints examiners/takers, prisons officers, airport/immigration officers, tax officers, members of the legal profession and financial institutions or any officer participating within the 'Chain of Evidence' (from Crime Scene to Court prosecution) whether it be the retrieval from a scene of crime, development/photography of fingerprints in a laboratory from articles by using chemicals.

4   Its objective is for course participants to gain a basic understanding and appreciation of the information required to make fingerprint identifications including an insight into Fingerprint Pattern Recognition, Principles of Fingerprint Identification, Digit/Palmar Determination and their uniqueness.

Course Module

5   The course module is professionally designed by Mr Stephen Bonnington, a retired Fingerprint Expert from the United Kingdom. He has over 39 years fingerprint service in a career that included working within a 3 Police Constabulary Fingerprint Bureau, latterly as Deputy Head, 2 years as a Crime Scene Investigation before becoming a Fingerprint Instructor at the Police National Training Centre. Ultimately he became the longest serving Fingerprint Instructor in the history of National Fingerprint Training in UK. Throughout his professional career in the Constabulary and National Fingerprint Training, he possessed the required advanced level of expertise in fingerprint comparison and identification enabling him to present fingerprint evidence as an accepted expert in UK Crown, Magistrates, Youth and Coroners' Courts.

6   He has trained personnel from all of the UK Police Forces and officers from many overseas Police Forces who have attended the National Fingerprint Training School in the UK. He has also travelled overseas on numerous occasions to give fingerprint training to Police Officers in Singapore, Malawi, Abu Dhabi (UAE),

Lebanon, Estonia and Bahrain. Currently he is working as an Associate Fingerprint Instructor for the College of Policing (formerly National Fingerprint Training) delivering training in a long term project to the Saudi Arabian Police Force. Through his Fingerprint Identification Training and Consultancy capacity he has also delivered training in 2011, 2012 and 2014 to the Police Force of Taiwan in Taipei. Please see his curriculum vitae and course module attached.

Course Objective

7   At the conclusion of the 5-day Understanding Fingerprints – An Awareness Course, participants should able to appreciate and basically apply the four main components of Fingerprint Pattern Recognition, Principles of Fingerprint Identification and Digit Determination Palmar Determination. The practical exercises supervised by the course instructor ensure the course participants have a rudimentary capability to recognise fingerprint patterns, certain features used when making fingerprint identifications and deciding digit determination & palmar determination. In addition how and why fingerprints are taken, what is a fingerprint standard and a more informed reasoning of why fingerprints are unique will be presented and discussed. The course instructor will provide the relevant course material for reference.

Course Date: **Mon, 9 Feb – Fri, 13 Feb 2015 (5 full days)**

Course Fees: **S$2,000/- (Singapore Dollars Two Thousand only)**

Course Registration: Please register the Understanding Fingerprints – An Awareness Course as follows:-

a   PSD HRMS Learning Hub via Intranet;

b   use the Application Form attached. Send the completed form to email cidlee@singnet.com.sg or Fax: 6333 4636 to Top Criminal Justice Consultancy; and

c   register by email to cidlee@singnet.com.sg stating the name of course participant, course date, participant's email address and mobile phone number and mode of payment of course fees for follow-up actions.

Course Acknowledgement: Upon receipt of the course registration, Top Criminal Justice Consultancy will acknowledge with a reply email and the course brochure.

Course Confirmation: The Course Placement Letter will be despatched to course participants through the official email address at least 7 working days before the Understanding Fingerprints – An Awareness Course commences. Please check with your Course Training Co-ordinator if you do not receive the Course Placement Letter by then. You may also email cidlee@singnet.com.sg or call mobile phone no. 90265199 to enquire.

Course Material: The Understanding Fingerprints – An Awareness Course presentation slides are intellectual property rights under the Copyright Act, Cap 63. Only the course materials are distributed to course participants for personal guidance and reference to kick-start the fingerprints comparison and identification processes.

Course Venues: Marketing Institute of Singapore (MIS) Executive Club, 51 Anson Road #03-51, Anson Centre, Singapore 079904. It is located obliquely opposite the Tanjong Pagar MRT Station with many bus services plying along Anson Road.

You may view the course venues at the website: www.showmystreet.com.

When you see the website start typing the address box, type 51 Anson Road Singapore to view the course training venues.

Course Reporting: The course participants are to report personally at the Marketing Institute of Singapore (MIS) Executive Club reception counter on Mon, 9 Feb 2015 for the Understanding Fingerprints – An Awareness Course.

A computer-printed Avery tent card with the course participant's name and organisation logo issued to respective participants for display on the seating table. An A5 size paper note-book and ball-point pen provided to course participants for notes-taking during the lecture.

Course Certificate: A Certificate of Completion of the Understanding Fingerprints – An Awareness Course will be presented to course participants who have completed the 5-day course successfully.

Refreshment: Hot/Cold plain water, including packet coffee/tea, is available at the self-service kiosk. Menthol sweets are available in the classroom during lecture.

Coffee Break: Two coffee breaks with halal finger food at about 10.30 am and 3.30 pm daily.

Lunch Break: Six-course halal buffet lunch catered for the course participants at about 12.15 pm daily.

Supported by:

CURRICULUM VITAE
UK FINGERPRINT EXPERT COURSE TRAINER
MR STEPHEN BONNINGTON

Personal Background

The Fingerprint Expert Course Trainer Mr Stephen Bonnington (Steve) is a retired Fingerprint Instructor of National Forensic Centre, National Policing Improvement Agency, Harperley Hall, Crook and County Durham. It is part of The College of Policing (COP) in United Kingdom. He is the longest serving Fingerprint Instructor of National Fingerprint Training.

2   After 39 years' distinguished service in fingerprint and scene of crime investigations, National Forensic Centre at Harperley Hall, United Kingdom continues to engage his fingerprint expertise as an Associate Fingerprint Instructor. The National Forensic Centre continues to engage him to deliver fingerprint training courses for Saudi Arabian Police Force in Riyadh and Abu Dhabi Police Force in United Arab Emirates.

3   Through his Training Identification Consultancy Specialist or TRICS, Taiwan Police Force engaged him to run three successful fingerprint training courses in Taipei in Oct/Nov 2011, May 2012 and Nov 2014 respectively. He also undertakes work on behalf of an independent forensic establishment known as "Formedecon" when requested to examine and analyse crime scene evidence and fingerprint identifications. The resulting expert reports on the examinations and analyses were tendered as evidence in Courts of Law.

Professional Qualifications

4   The professional qualifications of Mr Stephen Bonnington are as follows:-

    a   Metropolitan Police (New Scotland Yard) Certificate - Fingerprint Expert/Advanced Fingerprints;

    b   Scenes of Crime Officers' Certificate - Forensic Science, Photography;

    c   Scenes of Crime Officers' Certificate - Development Course; and

    d   Fingerprint Experts Certificate - National Register (Expert since 1980 - register set up in 1984).

Professional Courses Attended

5   The Professional Courses attended are as follows:-

    Oct 99   -   D32 – D33 Assessor and Verifier

1998	-	**Livescan (Computerised Scanning Of Fingerprints)**
Apr 96	-	**A.F.R. (Automated Fingerprint Recognition) Trainers' Course - Tacoma U.S.A.**
Jun 93	-	**Senior Management Course (Head/Deputy Head of Bureau)**
Jun 93	-	**Automated Fingerprint Recognition Course - Preston**
Nov 92	-	**Satan Force - Catterick (Explosives)**
Nov 91	-	**Scenes of Crime (CSI) Development Course**
Sep 82	-	**(PNC) Police National Computer Course - NSY**
Jun/Jul 80	-	**Advanced Level (Experts) Fingerprint Course - Hendon**
Sep/Oct 79	-	**Scenes of Crime (CSI) Course**

Experiences

National Forensic Centre
National Policing Improvement Agency
Harperley Hall
Crook
County Durham

Fingerprint Instructor
Apr 1996 – Oct 2010

6   Mr Stephen Bonnington better known as Steve was a lead instructor for the Foundation Fingerprint Course on National Training Programme to design, create, develop and deliver fingerprint theoretical and practical training courses. The objective was to train new officers, including those from the other operational agencies responsible for the detection of crime, development of finger impressions and identification of individuals. In addition, prepared the trainees for operational requirements and hand-on experiences to ensure every trainee had attained the requisite standard.

7   The course modules for civilian and police trainees in United Kingdom and overseas Police Forces/Agencies include history, law relating to fingerprints, case laws, classification, fingerprint pattern recognition, the identification process (Analysis, Comparison, Evaluation and Verification (ACE-V), the 3 levels of detail and how to successfully achieve accurate and consistent results, searching and identification skills including digit determination, palm print recognition, taking fingerprints, etc. There are other course modules that include the Tenprint officers, Intermediate and Advanced Fingerprints covering cadavers, chemical development techniques, statement writing

and mock courts for the potential expert, visual aids, etc. He was also mentor to a number of undergraduates throughout their personal training programmes in fingerprint identifications at Teesside University. After graduating with foundation degree level, the graduates are qualified to present fingerprint identifications in Court as an 'expert'.

8   He was a consultant on fingerprint and crime scene investigations to Turkey, Oman and United Arab Emirates Police Forces. After studying and analysing their training needs, he customised the course modules to deliver the training to them. Prior to his retirement, he was engaged in a training programme for Abu Dhabi Police and Crime Scene Village. He designed, created and delivered a training programme primarily for the current identification officers. This was followed up in delivering another training programme for newly appointed officers. It was indeed challenging for him to deliver the training through an interpreter but rewarding, successful and appreciated by all concerned.

9   Besides conducting the fingerprint and crime scene investigation training courses to police forces and agencies of the aforementioned countries, it is also his privilege to conduct similar training courses for police forces/agencies in Singapore, Bahrain, Lebanon, Estonia and Malawi.

10   His postings in UK Constabulary are:-

1993 - 1996

Deputy Officer in Charge
North Eastern Fingerprint Bureau
(Police Forces of Durham, Northumbria & Cleveland)

Responsible for the management of the fingerprint bureau and liaison with senior police officers regarding crime scene issues. The final checking of all fingerprint identifications of major cases for presentation as evidence in court. 350,000 Tenprints. Annual Tenprints received - 45,000 of new and recorded criminals. Annual Scenes of Crime job submissions received - 19,000.

1992 August

Deputy Senior Scenes of Crime Officer North Division
Durham Constabulary

Responsible for the supervision/organisation of police/civilian staff at major crime scenes, attendance at crime management meetings to discuss and demonstrate new procedures in addition to those of a scene of crime officer.

1991 May - Scenes of Crime Officer
Bishop Auckland / Durham City

 Responsible for the examination, collection and collating of all types of forensic (Hair, fibres, blood, glass, paint etc.) and fingerprint evidence together with

crime scene photography including injuries, murder, armed robbery, rape, burglary scenes, attending post mortems etc. Presentation of evidence at court.

Oct – May 1991 - Fingerprint Officer
North Eastern Fingerprint Bureau

Typical fingerprint classification, searching TP forms against the outstanding scenes of crime files, checking latent manually against files, comparing latent against elimination and suspects forms, deciding finger and pattern choice for searching latent Recovery of fingerprints from cadavers and through chemical enhancement.

Attaining the status of fingerprints expert since 1980 in checking fingerprint identifications and presenting evidence at Crown, Magistrates, Youth and Coroners Courts.

1971 - 1975   University of Durham

Teaching laboratory techniques and practices including Electrical and Mechanical Engineering, Photography, Printing and Glass blowing to undergraduates attending a 4-year course.

Testimonials

11   Extract from a letter of appreciation forwarded to Head of Forensic Centre by the manager of the Crime Scene School in Abu Dhabi:

"The programme for the existing staff was carried out over three courses, from day one Steve established an excellent working relationship with all the students including the Head of the Bureau identification Section and gained their trust. This in itself was an important achievement since there was, perhaps not unexpectedly, an air of suspicion from within the fingerprint bureau staff. It would be easy for me to wax lyrical about Steve's professional attitude and commitment to this project but I think the real commendation comes from the students themselves who showed by their attendance and dedication to the courses the respect and esteem with which they regarded their instructor and mentor".

12   Extract from a letter of appreciation forwarded to the Head of National Fingerprint Training from Head of Unit Wyboston:

"I would like to say something in praise of Steve and his remarkable ability to formulate and create meaningful practical exercises for the students. I know Steve has made a major contribution to course content over the years he has worked with the unit. Perhaps it is this that has allowed him to have the skill to see potential in the development of a particular exercise. Specifically, I should like to mention the Digit Determination exercise for the Foundation course, it is extremely well structured and easy to use. It allows an immediate knowledge

check for both the students and from an instructional point of view it demonstrates where any 'problem areas' may be and therefore can be easily dealt with.

The strength of this exercise I believe is that it comes after the underpinning theoretical input and then clearly demonstrates to the students that pattern distribution does play it's part but there is also a significant issue with common sense.....ie does it 'fit', position, height and so on.

It is an extremely useful exercise and one that perhaps shows a small part of Steve's significant contribution to the success of this unit.

UNDERSTANDING FINGERPRINTS – AN AWARENESS COURSE MODULE

Mon, 9 Feb 15	Topics	Instructor
9.00 - 9.30 am	Welcoming Address. Ice Breaker.	Course Consultant Mr Lee Swee Thin
9.30 – 10.30 am	Aims and Objectives and Timetable.	Mr Stephen Bonnington
10.30 – 10.45 am	Coffee Break with halal finger food.	
10.45 – 12.15 pm	Brief History of fingerprints.	
12.15 – 1.15 pm	Lunch Break - Six-course halal buffet.	
1.15 – 2.15 pm	What are fingerprints?	
2.15 – 3.15 pm	Why Fingerprints are unique.	
3.15 – 3.30pm	Coffee Break with halal finger food.	
3.30 – 4.30 pm	Why and how fingerprints are taken. What is a fingerprint standard.	

4.30 – 5.00 pm	Reflection – Session Ends.	
Tues, 10 Feb 15	**Topics**	**Instructor**
9.00 – 10.30 am	Fingerprint Pattern Recognition. Fixed Points and Orientation.	Mr Stephen Bonnington
10.30 – 10.45 am	Coffee Break with halal finger food.	
10.45 – 12.30 pm	A Basic theoretical understanding on how to recognise the 3 pattern 'families' Loops, Arches and Whorls.	
12.30 – 1.30 pm	Lunch Break –Six-course halal buffet	
1.30 – 3.00 pm	Continuation of a Basic theoretical understanding on how to recognise the 3 pattern 'families' Loops, Arches and Whorls.	
3.00 – 3.15 pm	Coffee Break with halal finger food.	
3.15 – 4.30 pm	An opportunity to undertake basic practical exercises in pattern recognition.	
4.30 – 5.00 pm	Reflection – Session Ends.	

Wed, 11 Feb 15	Topics	Instructor
9.00 – 10.30 am	Principles of Fingerprint Identification The Fundamentals.	Mr Stephen Bonnington
10.30 – 10.45 am	Coffee Break with halal finger food.	
10.45 – 12.30 pm	Analysis, Comparison, Evaluation and Verification (**ACE – V**).	
12.30 – 1.30 pm	Lunch Break –Six-course halal buffet.	
1.30 – 3.15 pm	3 Levels of Detail An appreciation of features used and how to use them when searching either manually or by AFIS (Automatic Fingerprint Identification System).	
3.15 – 3.30 pm	Coffee Break with halal finger food.	
3.30 – 4.30 pm	Using the features in the comparison process. Examples of 'real case' identifications involving ACE-V.	
4.30 – 5.00 pm	Reflection – Session Ends.	

Thurs, 12 Feb 15	Topics	Instructor
9.00 – 10.30 am	**A**nalysis An opportunity to undertake an analysis of fingerprint impressions using all of the information presented – Practical Exercise.	Mr Stephen Bonnington
10.30 – 10.45 am	Coffee Break with halal finger food.	
10.45 – 12.30 pm	Continue with the analysis of a fingerprint impressions using all of the information presented – Practical Exercise.	
12.30 – 1.30 pm	Lunch Break –Six-course halal buffet.	
1.30 – 3.15 pm	**C**omparison and **E**valuation Opportunities to 'compare' fingerprint impressions with 'similar' features and give an 'evaluation' in basic examples – Practical Exercise.	
3.15 – 3.30 pm	Coffee Break with halal finger food.	
3.30 – 4.30 pm	The importance of Verification	
4.30 – 5.00 pm	Reflection – Session Ends.	

Fri, 13 Feb 15	Topics	Instructor
9.00 – 10.30 am	Digit Determination & Palmar Determination.	Mr Stephen Bonnington
10.30 – 10.45 am	Coffee Break with halal finger food.	
10.45 – 12.30 pm	Basic theoretical information on how it is possible in determining which finger(s) are most likely to have left the impression(s) on a particular surface.	
12.30 – 1.30 pm	Lunch Break –Six-course halal buffet.	
1.30 – 3.15 pm	Determining the difference between the different areas of the palm.	
3.15 – 3.30 pm	Coffee Break with halal finger food.	
3.30 – 4.30 pm	An opportunity to use the presented information in basic practical examples.	
4.30 – 5.00 pm	Reflection and Discussion	
5.00 – 5.15 pm	Feedback Session	Course Consultant Mr Lee Swee Thin
	Presentation of Certificate of Completion to Course Participants	Course Instructor Mr Stephen Bonnington

5.15 pm	*Sayonara!* Hope to welcome you back to attend the 2-Week Fingerprint Foundation Course	

Supported by: