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Analysis on Human Behavior Traits Using Intelligence Palmistry

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***Abstract*—** Palm Print can be useful to understand human behavior. Palm prints are the mirrors to our inborn talents and potentials, talent and likings. If it is not recognized appropriately and well in time, they may remain shadowed all through a person's life. Then it follows a life full of dislike and frustrations of underperformance at work or dissatisfaction of occupation. There are some characteristics of child on his/her born time with above average intelligence in some specific areas. For extracting, fingerprint patterns and correlating them with their behavior and personality type. The application works based on intelligence palmistry. The images of human palm form input to the system. Then, system applies digital image processing and analysis techniques on input images to identify certain features in the image. By using knowledge base of intelligence palmistry, it analyzes certain features in image and predicts behavior traits.

***Keywords*—**Intelligence Palmistry, Knowledge Base, Human Palm, Behavioral traits.

I. INTRODUCTION

A digital computer can recognize the image with the sensor and analyzed by a microprocessor. The techniques used to provide the digital computer perception has known as digital image processing and analysis techniques.

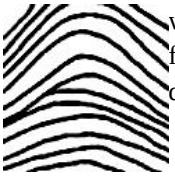
Palmistry is a science, which observes human palm by different aspects and derives conclusions about nature of the person. Since ancient time, in many civilizations like Indian, Chinese, Persian, Egyptian, Roman and Greek, people used to get guidance about their present and future by means of palmistry. It describes attributes of human, like, health, psychology, intelligence, and lifestyle and other related entities [1]. Intelligence palmistry is one branch of palmistry, which works on identification of probable skills by observing some symbols in human palms. According to principles of Intelligence palmistry, there are some symbols like Iceland, cross, star, square, grill, spot, and circle. If one or more of them have found on specific region of palm or on specific line of palm, it indicates probability of skills of respective fields. Apart of symbols, color and surface of palm and nails, shape of palm and fingers also plays important role in decision-making.

Figure 1: Various lines and mounts of Palm [i,ii]

BASIC PATTERNS OF FINGERPRINT

1. **Simple Arch Patterns:** hill-shaped, curved top, no triangle was formed in with the shape.

   Characteristics: hard working, introverted, cautious, works without complaint, likes to follow the steps, down to earth,



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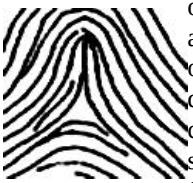
2. **Tented Arch Patterns:** like a camping tent with a sharp tip top

   Characteristics: with extreme personalities, can be outgoing and welcoming one day and shy the other; it all depends on how nurture and development during childhood. Not afraid of challenges and obstacles, but may sometimes be impulsive & Creative.



3. **Ulnar Loop Patterns:** like a waterfall flowing towards the little finger with triangular points.

   Characteristics: gentle, observant, passive, loves schedules, likes to go with the flow, little self- motivation.

4. **Radial Loop Patterns:** The opposite of ulnar loop, the "waterfall" flows toward the thumb.

   Characteristics: thinks independently and cleverly, like to question and criticize**, self-centred**, loves to go against the majority.

5. **Concentric Whorl Patterns:** Lines starting from the center of the small circle, the lines on fingertip appear to be a complete circle and spread out like concentric circles. With two triangular points.

   Characteristics: Self-centred, likes competition, likes to set objectives, rigorous, subjective, doesn't like to be controlled.

Experts have shown that fingerprints show different types of functions, even with identical twins because their fingerprints are different. The same fingerprints will reappear after wound healing. Medical experts have confirmed through observation, recording, comparison and other methods that fingerprints provide an accurate analysis of one's multiple intelligence and possibilities.

Right hand represents logic and reasoning

Right hand reflects the left-brain, which controls knowledge, reasoning, and thinking.
Thumb: ability to manage oneself, reasoning and self-control.
Index finger: logical reasoning, the ability to manage numbers.
Middle: ability to control fine motor.
Ring finger: language ability.
Little finger: observation, reading and comprehension ability.

Left hand represents feelings

Left hand reflects the right brain, which is responsible for self-control and subconscious.
Thumb: creativity, interpersonal and leadership skills.
Index finger: artistic concepts.
Middle: ability to control gross motor.
Ring finger: melody and music; the ability to process and appreciate music.
Little finger: image, the ability to determine abstract patterns & visual sense. [iii]

II. RELATED WORK

D. M. Shah el at digital image processing and analysis techniques is useful in healthcare domain to predict some major diseases for human being. The application is an image processing system, which works on the basis of medical palmistry. The images of human palm form input to the system. Using these concepts a prototype model is designed which predicts diseases that may occur to the human being in future. The proposed system can be very useful to human being to get indication of disease in advance. It can save cost of treatment as well as physical and psychological suffering of the person [2].

Dr. K. Lakshmi Kumari , Dr. P. V. S. S.Vijaya Babu and Dr. S. V. Kumar el at Dermatoglyphics are the work behind the skin on the palms and soles. Human intelligence and dermatology are influenced by two genetic factors. The aim of this study is to bring dermatologists and human intelligence together with young people who are familiar with medical education courses and laboratory technicians. Everyone's fingerprints were collected with ink color. The fingerprint pattern of most objects consists of a whorls and an ulnar loop. In medical students who use the left hand, the ulnar cycle has a slightly higher penetration rate. There was no significant difference between the two groups. Further research on the size of the sample for the development of this study should

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be made. A special consideration is both the learners have cognitive quality. Medical students are more emotional than lab technicians. [3]

Dr. C. Venkatesh, Mr. G. Thirunavukkarasu, Ms. V. Kalaimagal el at The proposed document deals with a different perspective with biometrics. It is used to analyze and describe the behavior of a person. The most accurate advice, such as psychologists, is more useful for the profession, such as teachers, and sometimes even legal professionals, who analyze people. It also helps a leader to understand his group to achieve its goals. In this research, a new approach is proposed to analyze the fingerprint and the palm image that satisfies the needs of the analysis of human behaviour. It is obvious that behaviours and human characteristics differ from person to person. In this case, the fingerprints and the images of the palm change from person to person. The approach proposed to evaluate human behaviour and other qualities is explained in this study. Determination of human behaviour is done using MATLAB coding. The analysis of the behaviour is based on the position of the main lines in the palm. Using palms and fingers, identity is given for human behaviour. The output for the excellent conversationalist has been displayed.[4]

Rohit R Prabhu, C.N. Ravikumar el at the recent innovations in Biometrics and its related areas are model recognition, task of verification and identification. Reality has been appreciated in many applications such as the granting of the unique identification number by the government to its population. The existing system for verifying and identifying a human being is approaching perfection. However, these systems can not declare the psychology of the person. The ancient sages from India had always maintained that every physical brand, natural or acquired, codifies the psychology and fate of its owner in their various manuscripts. Palmistry as an abstract science and current model recognition systems can be exploited to assess the personality and character of a person who is the basis of our work.[5]

III. METHODOLOGY

In the proposed model, the palm image is inserted and process on it after processing the given image output will be generated which will predict the unique behaviour, using knowledge of intelligence palmistry.

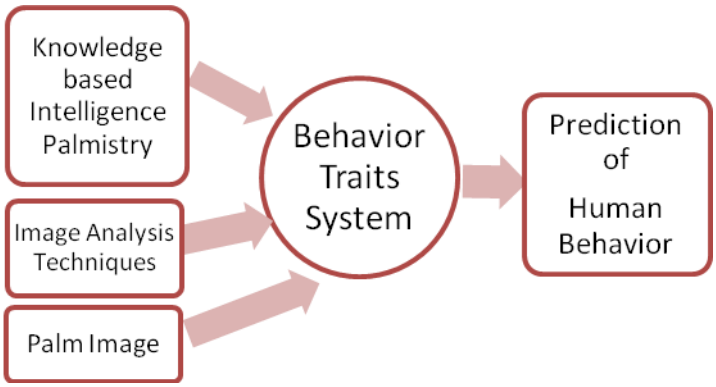

Figure 3: Architecture of Human Behaviour System

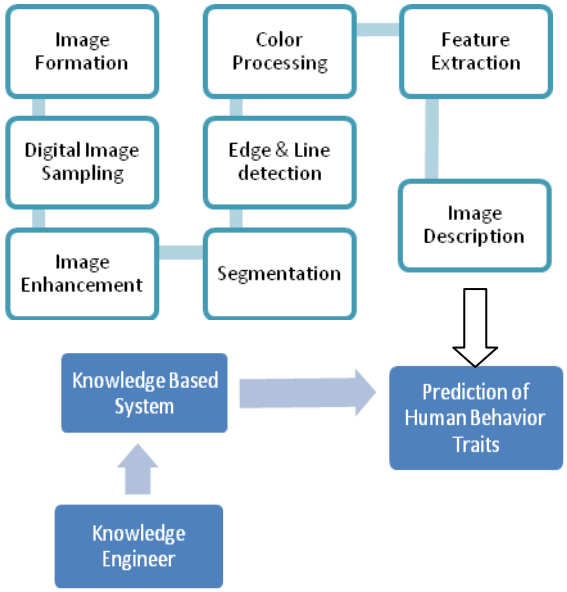

Figure 4: Image Processing & Analysis Proposed Module of Human Behaviour Traits System

Modules of the Proposed System

Image Formation: Image formation means conversion of radiant energy emitted from source into 2D image. Digital camera used for good quality of image. This module forms input to the system [2].

Digitization Since we are using digital camera, we do not have to perform digitization techniques like sampling and quantization. The input image itself is in digital form [2].

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Image enhancement This step will improve the quality of image by applying enhancement techniques like contrast intensification, noise cleaning and edge sharpening [2].

Segmentation In this step system will divide the spatial domain into meaningful parts or regions, which are of our interest. Specific patterns will be search according to these segments. Image can be dividing into four quadrants, because all mounts in the palm image can be easily identified [2].

Edge, line detection and color processing In this step, palm image has processed for identification of edges and lines, which have usually found in human palm. For example, the heart line, the lifeline and so on. Color of palm has identified in this step. Moreover, shape of palm has decided in this step [6].

Feature Extraction This step will extract specific features like patterns of star, grille, Iceland, square, and spots from the image [6].

Image Description This step will identify the pattern and its exact location in the image. The partial algorithm has shown in following section [6].

Knowledge Engineer will prepare Knowledge Base using knowledge of intelligence palmistry. Knowledge base is the backbone of the system. Using patterns identified by IPAA module and knowledge base, system predicts the probable abilities of a palm holder. [7]

Mounts are at different positions in human palm. The names of mounts are Jupiter, Saturn, Mercury, Sun, Mars, Venus, and Moon. According to palmistry, there are seven types of palms namely elementary, square, speculated, philosophical, conic, psychic, and mixed.

IV. CONCLUSION AND FUTURE SCOPE

In this research paper, the major focus to on the behaviour of human through palm prints. The combination of digital image processing and analysis techniques will help to find proper direction for the palm holder's behaviour. Moreover, the prototype model is designed to predict the abilities , personality type & behaviour of the person using palm print patterns The proposed system can be useful to have indication of some incidence in advance. It can help for the field selection & give the best direction for healthy Life style.

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Authors Profile

Ms Nidhi Desai pursed PhD from S.P University, Vidhyanagar in 2017 , Master pf Philosophy in computer Science from KSV University,Gandhinagar in 2016 and Master of Science from VNSGU in year 2009. She is currently pursuing Ph.D. and currently working as Assistant Professor in Department of BCA in SDJ International College, Surat Since 2014. She is an experienced academician with 8 years experience at various BCA & MCA Colleges. She has presented two Research Papers in National & one research paper in International conference. She has 2 poster presentations at National Level in her name.

Dr. D B Shah Working as a faculty member in the Post Graduate Department of Computer Science since 1989 and currently serving as a Professor & Director of the Department Member of the Board of Studies in Computer Science at S. P. University
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Presently guiding 5 Ph. D. (Computer Science) scholars
Guided 8 Ph. D. (Computer Science) and 1 Ph. D. (Bioinformatics) students
Guided 3 M. Phil (Computer Science) students
Member in editorial board / review committee in international journal
Served as program committee member for international conference & various National level conferences
Worked as a Chairman / Vice-Chairman / Secretary of Computer society of India, Vallabh Vidyanagar chapter

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