

NCACC - MARCH. 2019

Conference Date: 27-03-2019

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RESOURCE PERSON



PROF. DR. M. SUDHEEP ELAYIDOM

M.Tech Ph.D
Professor and PhD Guide, CUSAT
Member, Board of Studies, CUSAT

Topic: Advances in Research in Data Sciences

GALLERY MARCH 2019





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REGISTRATION FORM

5th National Conference on Advanced Computing & Communication Technology

In Association with CSI Cochin Chapter

27 March 2019

Name : Indu S. N. Datta

Name of co-authors: Aswathy PR

Designation: Faculty Student Organization

Name of the College/Organization: Mahia College of
Arts & Science, Pezhakkappilly

Conference Status: Participation Presentation

Publication Status: Proceedings IJERT

Paper Title: NLP in Medicine: A Review

Email : indususi'dhau@gmail.com

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Address : Mahia College of Arts & Science

For office

Registration fees Rs. 1000/- 1500/-

Indu
Signature



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Proceedings of NCACC 2019

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Hand Modelling On Virtual Board Using Leap Motion Sensor and Image Processing

Houva K. Basheer¹, Nimisha N.N², S.C. Chandana¹, Roshni Alex¹

Department of Electronics, MES College Marampally

Abstract- People with disabilities face many problems while communicating with others who has limited knowledge in sign language. We propose an idea that will help such people in their communication and also from holding the mouse or typing letters in the keyboard. Hand modelling on virtual board creates a virtual touch surface in the air. This is done by using leap motion sensor and Raspberry Pi. This paper proposes the idea of changing the next generation more smarter. Leap motion sensor detects the hand and finger motion as input but requires no hand contact or touching. This signal is transferred into the Raspberry Pi. From there the corresponding image is created and displayed. The image is displayed through two stages – training and testing stage. In training stage, we keep training the Support Vector Machine (SVM) classifier in Raspberry Pi. During the testing stage the sensor will capture the written letter. After creating the input image it will compare with the existing image in SVM classifier and the corresponding image will be displayed.

Key words: Leap motion sensor, SVM, Histogram, DCT

RSA Algorithm with Quantum and Artificial Neural Network for Securing Big Data

Krishnapriya Raj¹, Saranya T.R², Rosemary Antu¹, Roshni Alex¹

Department of Electronics, MES College Marampally

Abstract: Cryptographic techniques are used for securing our private data from eavesdropping. Now a days data are analysed and operated as big data. Big data analysis and techniques for managing such data is increasing and receiving more popularity. Big data are voluminous and difficult for processing and security issues arise in such big data managing because of its larger size. To solve this issue of privacy, we propose a cryptographic technique using RSA Algorithm combined with Artificial Neural Network and Quantum cryptography. RSA is one of the popular encrypting technique, belongs to asymmetric key encryption standard. In order to make it more efficient and unbreakable it is combined with ANN (Artificial Neural Network) and Quantum cryptography. Quantum cryptography traced from the concepts of quantum mechanics in which qubits of data are encoded, using photons key distribution is provided in quantum cryptography. ANN (Artificial Neural Network) which works beyond the number theory, the requirements of time consumptions, computation load can be reduced to an extent. This kind of architecture minimizes the time requirement of RSA Algorithm.

Key words: RSA, Quantum cryptography, ANN.

Motion Capture

AyanaSaju

Department of Computer Science

Santhigiri College of Computer Sciences, Vazhithala

asanasaju73@gmail.com

Abstract—Motion capture (Mo Cap) is a technology that allows us to record human motion with sensors and to digitally map the motion to computer-generated creatures. It is used in military, entertainment, sports, medical applications for validation of computer vision and robotics. In technical terms "Motion capture (Mocap) is sampling and recording motion of humans, animals, and inanimate objects as 3D data, but in simple terms "Recording of motion and playback" OR "One way of acting out an animation" is Motion Capture. So in this paper we are going to present technical as well as simple aspects of Motion Capture like from simple history of Mocap to technical process of Mocap, simple applications of mocap to technical aspects of Mocap. When it



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VAZHITHALA P.O., THODUPUZHA, KERALA



IJERT
ISSN : 2278-0181



5th National Conference On Advanced Computing & Communication Technology (NCACC)

27 March 2019
(Organized by the Department of Computer Science)

This is to certify that Dr. M. Sudheep Elayidom for his valuable contribution as resource person in the National conference on "Advanced Computing and Communication Technology (NCACC-2019)" in association with CSI, organized by Santhigiri College, Vazhithala on 27, March 2019.

B. Kannan

Dr. Kannan Balakrishnan
Chairman
CSI, Cochin Chapter

Ms. Anna Susan Moncy

Ms. Anna Susan Moncy
Convener



Fr. Dr. Bobby Antony CMI
Principal



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REPORT on “National Conference on Advanced Computing and Communication Technology”

Specify the Department	Department of Computer Science
Name of Programme Conducted	NCACC 2019
Objective of the Programme	Provides an opportunity for Researches, Scientists, Academicians and Engineers in the field of computer science and Electronics to interact with experts from industry as well as leading organizations
Target Audience / Batches	Santhigiri college faculties, students, research scholars
Date Conducted	27/03/2019
Venue	Seminar Hall
Time and Duration	9.30 am -4.30 am
Description of program	International Conference: It is defined as a platform to share latest and innovative ideas with peers and senior group of people from different part of world by the help of a PPT presentation. ICACC-2019 presented numerous invaluable opportunities to refine vision by learning new skills
Chief Guests/ speakers if any	Prof.Dr.E Balaguruswami Chairman ,EBG Foundation,Coimbatore
No of Students participated	200
No of Faculties participated	25
Who organized it	Department of CS
List supporting documents/Attachments	Program chart, Photographs of the program, Posters.



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REPORT on “Statistical Package for Social Sciences(SPSS)”

One Day Seminar

Name of Programme	Seminar on “Statistical Package for Social Sciences”
Objective of the programme	To understand SPSS statistics in various area.
Target audience / Batches	Undergraduate and Postgraduate
Date Conducted	02/02/2019
Venue	Seminar Hall
Time and Duration	10 am -12 pm
Chief Guests/ speakers if any	Mr. Manoj K M ,Assiatant Professor, St. George College Vazhakulam
Content of speeches	Different Digital Marketing Techniques.
No of Students participated	45,MCA
No of Faculties participated	4
Outcome of program	To understand the usage of SPSS in various area like education, market research, healthcare etc.
List of supporting documents/Attachments	Poster for the competition and photographs of the event.



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Seminar on SPSS

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCE

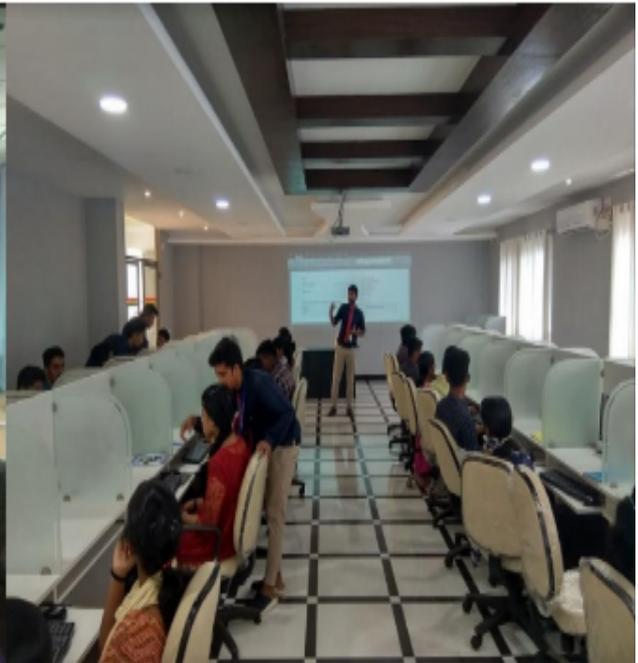
Resource Person : Mr. Manoj K M

DATE - 02 FEBRUARY 2019

TIME - 10 : 00 / 12 : 00 PM

VENUE - MARIAN AUDITORIUM

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REPORT on “ Workshop in LED Bulb Making”

Name of Programme	Workshop on LED Bulb Making
Objective of the programme	To help the students to become an Entrepreneur
Target audience / Batches	Undergraduate & Postgraduate students.
Date Conducted	12/12/2018
Venue	Seminar Hall
Time and Duration	10 am -4 pm
Trainer	Mr.Saseendran M N Mob:9447056157
Content of Workshop	It is a skill development programme in LED Bulb Making.
No of Students participated	25,S5 B.Com
No of Faculties participated	6
Who organized it	Entrepreneurship Development Cell & SRC
Outcome of program	To improve the soft skills of the students and helps to become a small entrepreneur.
List of supporting documents/Attachments	Poster for the competition and photographs of the event.



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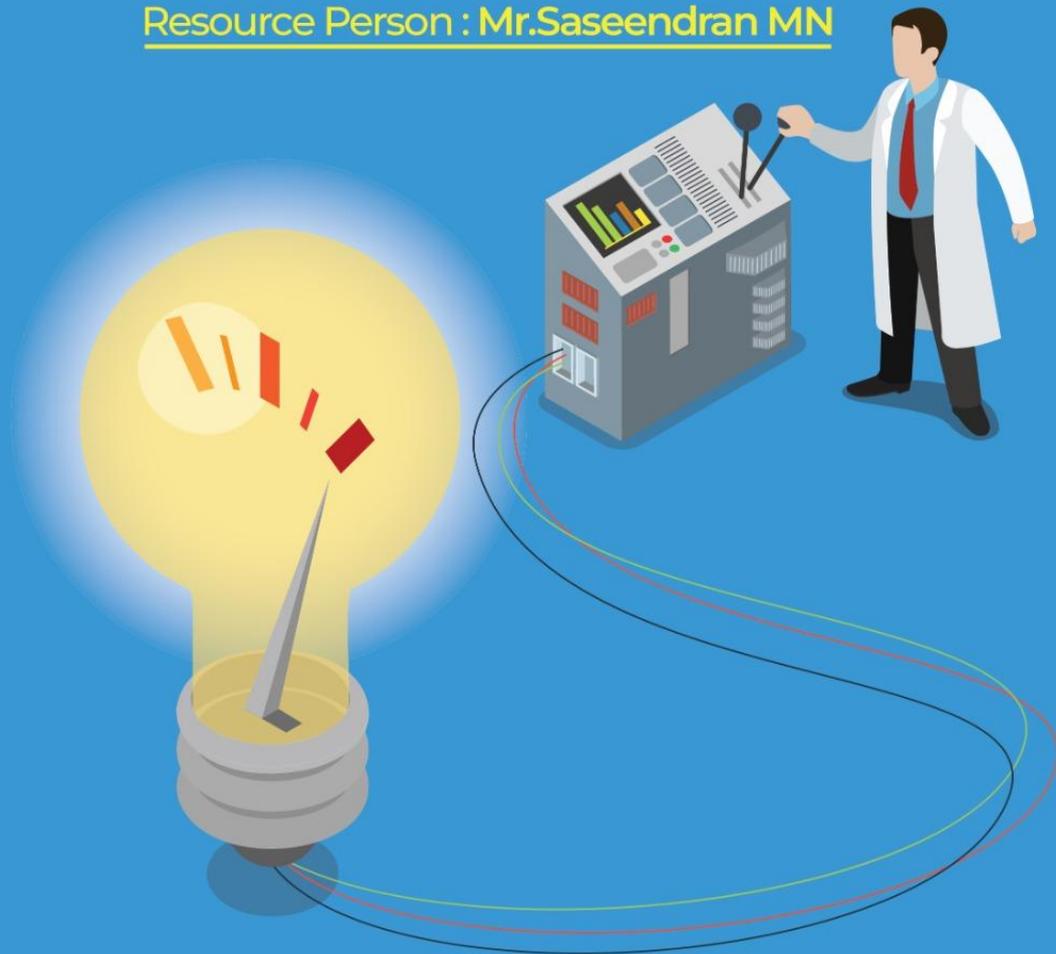
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WORKSHOP in

LED Bulb Making

Resource Person : Mr.Saseendran MN



Date : 12/12/2018

Venue : Seminar hall



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REPORT on “ Research Methodology seminar on Exploration in Business Research”

Name of Programme	Seminar on “Research Methodology seminar on Exploration in Business Research”
Objective of the programme	Investigate research questions.
Target audience / Batches	Undergraduate & Postgraduate students.
Date Conducted	10/8/2018
Venue	Seminar Hall
Time and Duration	10 am -4 pm
Chief Guests/ speakers if any	Mr. Sudheesh S, P Soft Technologies Ernakulam
Content of speeches	Investigate research questions through brain-storming sessions, interviews techniques, survey techniques etc.
No of Students participated	40,M.Com & MCA
No of Faculties participated	5
Who organized it	Santhigiri Research Council (SRC)
Outcome of program	To identify various business exploration techniques.
List of supporting documents/Attachments	Poster for the competition and photographs of the event.



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Research Methodology seminar on exploration in **Business Research**



Resource Person : **Mr. Sudheesh S**

Date : **10/8/2018**

Venue : **Seminar Hall**



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REPORT on “Startups in India”

One Day Seminar

Name of Programme	Seminar on “Startup in India”
Objective of the programme	To understand and identify the merits and demerits of startups in India.
Target audience / Batches	Undergraduate & Postgraduate students.
Date Conducted	8/6/2018
Venue	Seminar Hall
Time and Duration	10 am -1 pm
Chief Guests/ speakers if any	Mr.Manoj Mathew,CEO NetLink Pvt Ltd, Kochi
Content of speeches	Merits and demerits of startups in India
No of Students participated	35, M.Com
No of Faculties participated	6
Who organized it	Entrepreneurship Development Cell & SRC
Outcome of program	To know about startups in India
List of supporting documents/Attachments	Poster for the competition and photographs of the event.





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Startup INDIA

Cheif Guest : Mr. Manoj Mathew



Date : 8/6/2018

Venue : Seminar Hall

Time : 10 am - 1 am



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33.	Keesthana Laju	"	Keestha
34.	Dona Mathew	"	Dona
35.	Dnathi Rajesh	"	Dnathi
36.	Anu Vincent	"	Anu
37.	Angel Mary Mathew	"	Angel
38.	Ankhasari	"	Ankhasari
40.	Sreejith Ps	Bcom CA	Sreejith
41.	Sanjay Siby	"	Sanjay
42.	Minshad salim	"	Minshad
43.	Johns Shali	"	Johns
44.	Dinil Babu	"	Dinil
45.	Annu Rose Babu	"	Annu
46.	Anil Prasad	"	Anil
47.	Anny Sebastian	"	Anny
48.	AMUlothra P.P	"	AMUlothra
49.	Amrutha Mohan	"	Amrutha
50.	Sony Simson	Bcom CA	Sony
51.	Samuel Siby	"	Samuel
52.	Minnu Tom	"	Minnu
53.	Tiji Beshmance	"	Tiji
54.	Dibin Dawl	"	Dibin
55.	Anju M	"	Anju
56.	Elngaly G.R	"	Elngaly
57.	Amrutha Santhosh	"	Amrutha
58.	Alen Aliyas	"	Alen
59.	Aparna K.R	"	Aparna
60.	Sara Santo	Bcom CA	Sara
61.	Renjith KK	"	Renjith
62.	Merin Ans Mathai	"	Merin
63.		"	Merin



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ED Seminar on startup in India 27

Date: 08/06/2018

Sr. No.	Name	Class	Signature
1.	Vishnu Das M	B.com CA	Vishnu
2.	Sona Jimmy	"	Sona
3.	parvathy Pj	"	parvathy
4.	Parvathy N Nair	"	Parvathy
5.	Mareena Tomy	"	Mareena
6.	Gloxiya George	"	Gloxiya
7.	George M. Thomas	"	George
8.	chandhini chandran	"	chandhini
9.	Binimol Franklin	"	Binimol
10.	Vidya John David	B.com CA	Vidya
11.	Sabin philip	"	Sabin
12.	Parvathy krishna	"	Parvathy
13.	Manikandan S	"	Manikandan
14.	Urayathai P Anil	"	Urayathai
15.	Bony Baby	"	Bony Baby
16.	Benzylol John	"	Benzylol
17.	Athira Siju	"	Athira
18.	Ashitha Mehan Das	"	Ashitha
19.	Arathy C Anil	"	Arathy
20.	Tincy chesyan	B.com CA	Tincy
21.	Shalu S Periyathu	"	Shalu
22.	Nidmal Biju	"	Nidmal
23.	Kaishrendhu S	"	Kaishrendhu
24.	Ebin Thomas	"	Ebin
25.	Athira Raj	"	Athira Raj
26.	Arathy C Anil	"	Arathy
27.	Azathy Rajesh	"	Azathy
28.	Aparna K.P	"	Aparna
29.	Anumol Jay	"	Anumol
30.	Tennil Tomy	B.com CA	Tennil
31.	Shalbympal Thomas	"	Shalby
32.	Neethu Maria Mathew	"	Neethu



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REPORT on “Research Methodology Seminar on Datamining- Concepts and its techniques”

One Day Seminar

Name of Programme	Seminar on “Research Methodology Seminar on Data Mining- Concepts and its techniques”
Objective of the programme	To know about “What is data Mining ? and understand various data mining concepts and techniques “
Target audience / Batches	Undergraduate
Date Conducted	1/3/2019
Venue	Fr Bede Seminar Hall, Changed to SIM Hall
Time and Duration	10 am -1 pm
Chief Guests/ speakers if any	Mr. Reghunath K, Assistant professor, CS, St. Mary’s College, Thuruthypalli
Content of speeches	About Data Mining and various data mining concepts
No of Students participated	28,MCA
No of Faculties participated	4
Who organized it	Department of Computer Science & SRC
Outcome of program	To understand data mining concepts and its techniques.
List of supporting documents/Attachments	Poster for the competition and photographs of the event.



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RESEARCH METHODOLOGY SEMINAR ON DATA MINING CONCEPTS AND ITS TECHNIQUES

RESOURCE PERSON :

Mr. Raghunath K.

DATE:

03/01/2019

VENUE :

BEDE MEMORIAL HALL



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REPORT on “Trends in Digital Marketing”

One Day Seminar

Name of Programme	Seminar on “Trends in Digital Marketing”
Objective of the programme	To get an idea about Digital Marketing
Target audience / Batches	Undergraduate
Date Conducted	02/08/2018
Venue	Seminar Hall
Time and Duration	10 am -1 pm
Chief Guests/ speakers if any	Mr. Akhil Sekharan, Assistant Professor, St. Joseph College, Palai
Content of speeches	Different Digital Marketing Techniques.
No of Students participated	35,S3 B.Com
No of Faculties participated	5
Who organized it	ED Cell
Outcome of program	To understand Digital marketing techniques.
List of supporting documents/Attachments	Poster for the competition and photographs of the event.



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Trends in

DIGITAL MARKETING



Resource Person : **Mr. Akhil Sekharan**

venue : Seminar Hall 02-08-2018 Time : 10 am - 1 pm



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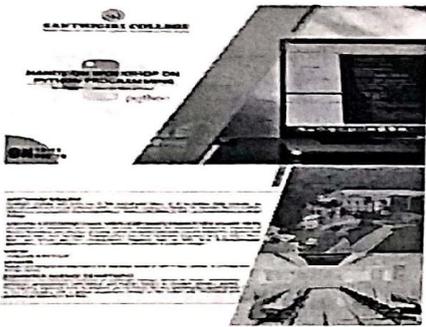
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Santhigiri College of Computer Sciences Department of Computer Science 2018-2019

Hands on Workshop on Python Programming

Department of Computer Science, Santhigiri College, organized a two Day Workshop entitled "HANDS ON WORKSDHOP ON PYTHON PROGRAMMING" on Dec 12 and 13 ,2018. Faculties Ms Dhanya Job, Ms Amitha Joseph coordinated the workshop activities. Target audience for the workshop: MCA, BCA, CS/IT Faculty Members, Research Scholars and Students(UG & PG). Dr Jeeva Jose, Associate Professor from BPC College was the resource person for the workshop. The workshop was successfully completed exploring python programming from fundamentals to advanced topics.





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REPORT on “Research Concepts and Tally”

Name of Programme	Seminar on “Research & Tally”
Objective of the programme	To understand how to prepare research proposals.
Target audience / Batches	Undergraduate
Date Conducted	18/1/2018
Venue	SIM Seminar Hall
Time and Duration	10 am -1.30 pm
Description of program	40 students from departments
Chief Guests/ speakers if any	Mr. Manish Chaudhari CEO, Tally Education Foundation
Content of speeches	About preparation of tally
No of Students participated	40
No of Faculties participated	5
Who organized it	Department of Commerce
Outcome of program	To know about preparation of Tally
List of supporting documents/Attachments	Poster and photographs of the event.



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