



**POULTECH AGRO RESEARCH CENTRE  
BIO-INPUT PRODUCTION UNIT**

**62-B- Trichy main road, Namakkal- 637 001**

(Approved by National Agriculture Development Programme and Department of Agriculture, Namakkal)  
Run by Chromopark farmers society, Sl. No. 28/2010, Namakkal

Ref: Intern/2019-20/004

Date: 06.06.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. E. Poonkodi, I M.Sc., Biochemistry of Vivekanandha College of Arts and Sciences for Women (Autonomous), has successfully completed her internship work in our organization, from 28<sup>th</sup> May 2019 to 05<sup>th</sup> June 2019.

During the training, the student was sincere, hardworking and showed keen interest to learn. The involvement and the sustained efforts put by the student are highly appreciable.

We wish her all the best for her future endeavors.

*A. Meera*  
Dr. A. Meera,

Lab Coordinator.

**POULTECH AGRO RESEARCH CENTRE**

Velavan Complex, 49/97, Kamaraj Nagar,  
Kulakarai Street, NAMAKKAL-1.

**PRINCIPAL**  
**VIVEKANANDHA COLLEGE OF ARTS AND**  
**SCIENCES FOR WOMEN (Autonomous)**  
**ELAYAMPALAYAM - 637 205**  
**TIRUCHENGODE TK, NAMAKKAL DT**  
**TAMILNADU**



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Ref: Intern/2019-20/003

Date: 06.06.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. N.S. Manasi , I M.Sc., Biochemistry of Vivekanandha College of Arts and Sciences for Women (Autonomous), has successfully completed her internship work in our organization, from 28<sup>th</sup> May 2019 to 05<sup>th</sup> June 2019.

During the training, the student was sincere, hardworking and showed keen interest to learn. The involvement and the sustained efforts put by the student are highly appreciable.

We wish her all the best for her future endeavors.

*A. Meera*  
Dr. A. Meera,

Lab Coordinator.

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Ref: Intern/2019-20/002

Date: 06.06.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. K. Malliga, I M.Sc., Biochemistry of Vivekanandha College of Arts and Sciences for Women (Autonomous), has successfully completed her internship work in our organization, from 28<sup>th</sup> May 2019 to 05<sup>th</sup> June 2019.

During the training, the student was sincere, hardworking and showed keen interest to learn. The involvement and the sustained efforts put by the student are highly appreciable.

We wish her all the best for her future endeavors.

Dr. A. Meera,

Lab Coordinator.

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Ref: Intern/2019-20/001

Date: 06.06.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. K. Gowri, I M.Sc., Biochemistry of Vivekanandha College of Arts and Sciences for Women (Autonomous), has successfully completed her internship work in our organization, from 28<sup>th</sup> May 2019 to 05<sup>th</sup> June 2019.

During the training, the student was sincere, hardworking and showed keen interest to learn. The involvement and the sustained efforts put by the student are highly appreciable.

We wish her all the best for her future endeavors.

Dr. A. Meera,

Lab Coordinator.

**POULTECH AGRO RESEARCH CENTRE**

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Kulakarai Street, NAMAKKAL-1.

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**SCIENCES FOR WOMEN (Autonomous)**  
**ELAYAMPALAYAM - 637 205**  
**TIRUCHENGODE TK, NAMAKKAL DT**  
**TAMILNADU**



## REPORT

### TRAINING CERTIFICATE

This is to Certify that **Miss.PREETHI R, I Bsc (BIOCHEMISTRY)** Student of **VIVEKANANDHA COLLEGE OF ARTS AND SCIENCE FOR WOMEN'S (Autonomous)** has undergone internship training programme in our **SRI SELLAM CLINICAL LAB** for a **10 days**

from **29.05.2019** to **07.06.2019**.

During the above period her contact and character was good

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**SCIENCES FOR WOMEN (Autonomous)**  
**ELAYAMPALAYAM - 637 205**  
**TIRUCHENGODE TK, NAMAKKAL DT**

**SRI SELLAM CLINICAL LAB**  
**113/4, Sullampet, P.Velur - 638 182, Namakkal Dt.**  
**Call : 73737 34266, 94423 34268**

**R. Muthusamy B.Sc.,**  
**Bio Chemist**

**Lab Technician**

#### CONDITIONS OF REPORTING

Reported are for information and for interpretation of the referring doctor only. It's presumed that the tests performed on the specimen belong to the patient named or identified. Results of tests may vary from laboratory and also in some parameters from time to time for the same patient. Should the results indicate an unexpected abnormality, the same should be reconfirmed. Only such medical professionals who understand reporting units, reference ranges and limitations of technologies should interpret results. The report is valid for 30 days from the date of issue.



## REPORT

### TRAINING CERTIFICATE

This is to Certify that Miss SUGANTHI V, BSc (BIOCHEMISTRY) Student of VIVEKANANDHA COLLEGE OF ARTS AND SCIENCE FOR WOMEN'S (Autonomous) has undergone internship training programme in our SRI SELLAM CLINICAL LAB for a 10 days

from 29 05 2019 to 07 06 2019

During the above period her contact and character was good

PRINCIPAL  
VIVEKANANDHA COLLEGE OF ARTS AND  
SCIENCES FOR WOMEN (Autonomous)  
ELAYAMPALAYAM - 637 205  
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TAMIL NADU

SRI SELLAM CLINICAL LAB  
113 A, Southport, P. O. Box - 637 205,  
Namakkal Dt., Dist. / 7327 3125, 3425, 3425,  
E-mail: [sri.sellam@rediffmail.com](mailto:sri.sellam@rediffmail.com)

R. Muthusamy B.Sc.,  
Bio Chemist

Lab Technician

#### CONDITIONS OF REPORTING

Reports are for information and for assessment of the referring doctor only. It is pointed out that tests performed in the specimen being in the patient named or identified. Lots of tests vary from laboratory and also in some parameters that come to term for the same patient. Should the results indicate an unexpected abnormality, the same could be reconfirmed. Only such medical professionals who understand reporting units, reference ranges and limitations of techniques should interpret results. This reporting



## REPORT

### TRAINING CERTIFICATE

This is to Certify that **Miss.VINOTHINI G, ( Bsc (BIOCHEMISTRY) Student of VIVEKANANDHA COLLEGE OF ARTS AND SCIENCE FOR WOMEN'S (Autonomous)** has undergone internship training programme in our **SRI SELLAM CLINICAL LAB** for a 10 days

from 29.05.2019 to 07.06.2019.

During the above period her contact and character was good

VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (Autonomous), ELAYAMPALAYAM - 637 205, TIRUCHENGODE TK, NAMAKKAL DT, TAMIL NADU

SRI SELLAM CLINICAL LAB, 113/4, Southampet, P.Velur - 637 182, Namakkal Dt. Cell - 73737 34265, 94423 34265, E-mail - sselamlab@gmail.com

**R. Muthusamy B.Sc.,**  
Bio Chemist

Lab Technician

#### CONDITIONS OF REPORTING

This reported are for information and for interpretation of the referring doctor only. It is presumed that the tests performed on the specimen belong to the patient named or identified. Results of tests may vary from laboratory and also in some parameters from time to time for the same patient. Should the results indicate an unexpected abnormality, the same should be reconfirmed. Only such medical professionals who understand reporting units, reference ranges and limitations of techniques should interpret results. This report is not valid for medico-legal purposes.

**REPORT**

**TRAINING CERTIFICATE**

This is to Certify that **Miss. HEMA V, III Bsc (BIOCHEMISTRY)** Student of **VIVEKANANDHA COLLEGE OF ARTS AND SCIENCE FOR WOMEN'S (Autonomous)** has undergone internship training programme in our **SRI SELLAM CLINICAL LAB** for a 10 days from 20.12.2021 to 29.12.2021.

During the above period her contact and character was good.



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TRUCHENGODE TK, NAMAKKAL DT  
TAMIL NADU



SRI SELLAM CLINICAL LAB  
113/4, Sulthanpet  
Near Panthamanga Vinayagar Kovil  
P.VELUR - 638 182, Namakkal Dt.  
Cell: 94423 34265

**R. Muthusamy B.Sc.,**  
Bio Chemist

Lab Technician

**CONDITIONS OF REPORTING**

Reported are for information and for interpretation of the referring doctor only, it's presumed that the tests performed on the specimen belong to the patient named or identified. Results of tests may vary from laboratory and also in some parameters from time to time for the same patient. Should the results indicate an unexpected abnormality, the same should be reconfirmed. Only such medical professionals who understand reporting units, reference ranges and limitations of technologies should interpret results. This report is valid for medical/legal purposes.





## REPORT

### TRAINING CERTIFICATE

This is to Certify that Miss.KIRUTHIGA, II Bsc (BIOCHEMISTRY) Student of VIVEKANANDHA COLLEGE OF ARTS AND SCIENCE FOR WOMEN'S (Autonomous) has undergone internship training programme in our SRI SELLAM CLINICAL LAB for a 10 days

from 20.12.2021 to 29.12.2021.

During the above period her contact and character was good.

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ELAYAMPALAYAM - 637 205  
PANCHENGODE TK, NAMAKKAL DT  
TAMIL NADU

**R. Muthusamy B.Sc.,**  
Bio Chemist

SRI SELLAM CLINICAL LAB  
113/4, Sulthanpet, P.Velur  
Near Panchangudi Govindarajan Kovil  
P.VELUR-638 182, NAMAKKAL DT.  
Cell: 94423 34265

Lab Technician

#### CONDITIONS OF REPORTING

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## REPORT

### TRAINING CERTIFICATE

This is to Certify that Miss.DIVYA D, III Bsc (BIOCHEMISTRY) Student of VIVEKANANDHA COLLEGE OF ARTS AND SCIENCE FOR WOMEN'S (Autonomous) has undergone internship training programme in our SRI SELLAM CLINICAL LAB for a 10 days

from 20.12.2021 to 29.12.2021.

During the above period her contact and character was good.

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CHENGODE TK, NAMAKKAL DT

SRI SELLAM CLINICAL LAB  
113/4, Sulthanpet  
Near Panchananga Vinayagar Kovil  
P.VELUR - 638 182, Namakkal Dt,  
Cell: 94423 34265

**R. Muthusamy B.Sc.,**  
Bio Chemist

Lab Technician

#### CONDITIONS OF REPORTING

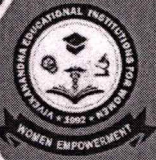
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# Report on -

3rd Virtual International Conference on Advanced Trends in Communication & Technology (ICATCT-2021) 19<sup>th</sup> & 20<sup>th</sup> March 21



## VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN



(Autonomous)  
An ISO 9001:2008 Certified Institution, Re-accredited with 'A' Grade by NAAC, Affiliated to Periyar University, Approved by AICTE, Recognized u/s 2(f) & 12(B) of UGC Act 1956 5th Rank in 'S' Category  
Ranking 2010 Among Higher Educational Institutions by NIRFD  
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu, India.

### PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

The Management, Principal, Director, Dean, HoD, Faculty Members and Students  
Cordially Invite You to be a part of our

### 3<sup>RD</sup> VIRTUAL INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN COMMUNICATION & TECHNOLOGY (ICATCT - 2021)

In Association with

#### ASIA PACIFIC UNIVERSITY OF TECHNOLOGY & INNOVATION

Bukit Jalil, Kuala Lumpur, Malaysia

ICT ACADEMY OF TAMIL NADU, CHENNAI  
KRISTU JAYANTI COLLEGE, BENGALURU

CSI (COMPUTER SOCIETY OF INDIA), CHENNAI  
CHRIST (DEEMED TO BE UNIVERSITY), BENGALURU



Dr. NORRA YERNOB SAMAYAM, M.Sc., M.S.  
Data Management & Business Intelligence  
Consultant of Public Sector, Hampden Hospital  
Foundation Trust, United Kingdom



Dr. SAGAYA AURELIA, M.Tech., Ph.D.  
Assistant Professor in Computer Science  
School of Science, Central Campus Christ  
(Deemed to be University), Bengaluru.



Prof. A. SEVUGA PANDIAN, MCA, M.Phil., Ph.D.  
Assistant Professor/consultant  
Dept. of Computer Science IISc  
Kristu Jayanti College, Bengaluru



Dr. SHABANAH MOHAMED ASLAM, MCA, Ph.D.  
Assistant Professor, Department of Information Technology  
Computer Science & Information Technology College,  
Majnoon University, Kingdom of Saudi Arabia.



Mr. P. MAHARAJAN, MCA,  
System Architect  
Acad Technology Labs Pvt. Ltd.  
Bangalore.



Dr. SHIVKUMAR KRISHNAMOORTHY, M.Sc., U.Phill., Ph.D.  
Assistant Professor in Computer Science,  
Faculty of Science & Technology,  
Vivekanandha University, Pune.



Dr. M. PRADAVATHY, Ph.D.  
Director,  
Centre for Differently Abled Persons,  
Vivekanandha University, Tiruchengode

★ Date : 19<sup>th</sup> & 20<sup>th</sup> March 2021

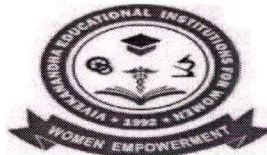
★ Time : 10.30 am

★ Venue : Jhansirani Block Seminar Hall

Preside Over by

**Prof. Dr. M. Karunanithi, B.Pharm., M.S., Ph.D., D.Litt.,**

Chairman & Secretary, Vivekanandha Educational Institutions & Hospitals, Tiruchengode & Sankari.



## PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE

### VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN

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Recognized u/s 2(f) & 12(B) of UGC Act 1956)

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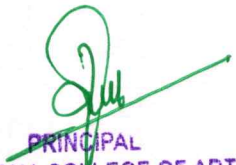
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VIVEKANANDHA  
EDUCATIONAL INSTITUTIONS

## PG & RESEARCH DEPARTMENT OF CS & CA

### SUMMARY REPORT

- Topic of the Programme** : 3rd Virtual International Conference on Advanced Trends in Communication & Technology (ICATCT-2021)
- Chief Guest Name** :
1. Dr. Shabanam Mohamed Aslam, Assistant Professor, Department of Information Technology, Computer Science and Information Technology College, Majmaah University, Kingdom of Saudi Arabia.
  2. Prof. A. Sevuga Pandian, Assistant Professor cum Head, Department of Computer Science (UG), Kristu Jayanthi Collge, Bangaluru.
  3. Mr. P. Maharajan, Software Architect, Auxo, Technology Labs Pvt. Ltd., Bangaluru.
  4. Dr. Norra Vernon Sahayam, Data Warehouse / Business Intelligence Consultant at Public Sector, Hampshire Hospital Foundation Trust, United Kingdom.
  5. Dr. Sagaya Aurelia, Assistant Professor in Computer Science, School of Sciences, Central Campus Christ (Deemed to be University), Bangaluru.
  6. Dr. Ramkumar Krishnamoorthy, Assistant Professor in Computer Science, Faculty of Science & Technology, Vishwakarma University, Pune.
  7. Dr. M. Prabhavathi, Director, Centre for Differently Abled Persons, Bharathidasan University, Tiruchirapalli
- Date of the Programme** : 19<sup>th</sup> & 20<sup>th</sup> March 18, 2021
- Participated by** : Faculties, Research Scholars and Students
- No of participants** : 815
- Welcome address** : Dr. B.T. Suresh Kumar, Principal
- Speech by the Guest** : Attached in Separate Sheet
- Vote of thanks by** : Mrs. N. Anitha, AP CS/CA, Vivekanandha College of Arts and Sciences for Women.

  
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TAMIL NADU

## **Report on 3<sup>rd</sup> Virtual International Conference ICATCT -2021**

### **PG & Research Department of Computer Science and Applications, MCA**

**Good evening to all.** It is immense pleasure to thank our Chairman Sir, Executive Director Sir, Principal Sir, Director – Academic Sir and COE & Dean Sir for providing permission and guidance to organize this Conference effectively. It is my privilege to present “**3rd Virtual International Conference on Advanced Trends in Communication & Technology (ICATCT-2021)**” Report on behalf of PG & RESEARCH Department of Computer Science and Applications in this great occasion.

The main aim of this conference is to disseminate innovative ideas and latest technological competence. This will bring together leading Researchers, Academicians, Industrialists, Scientists, and even commoners in the domain of interest from and around the world. Looking at the present scenario of technological advancement and development in the field of Sciences and Technology, it becomes imperative for each one of us to update our knowledge and adapt ourselves to the changing scenario. This International Conference brings together experts, intelligentsia and potential researchers from various fields on a common platform to think about something and purpose on the Sciences and Technology.

#### **Inaugural Session**

**Dr. B.T. Suresh Kumar, Principal,** welcomed the gathering. He points out the impact of advanced information and Communications in our day to day life, as our Theme of conference is on Advanced Trends in Communication & Technology. He motivated as the CS and CA students, must aware of all the new technologies and updated.

**Prof. Dr. S. KUPPUSWAMI, Executive Director,** delivered the Inaugural address, while in his speech emphasized that, Today's technological advances have moved communications into a new realm, where messages are delivered almost instantly, tasks are assigned and managed by computer programs and people are even removed from the communications equation. **Dr. V. Kumaravel, Academic-Director,** delivered the felicitation address, in his speech he pointed out Computer and information exports have become the most dynamic ICT-enabled service sector, particularly in the developing economies.



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The Conference Theme Report was presented by **Dr. K. PADMANABHAN, COE & Dean of CS & CA.** Vote of thanks delivered by Mrs. N. KOHILA, Assistant Professor of CS & CA.

### **KEYNOTE and SPECIAL GUEST SPEECHES**

#### **Technical Session - 1**

The First Day International conference started technical session - 1 with **Dr. Shabanam Mohamed Aslam, Assistant Professor, Department of Information Technology, Computer Science and Information Technology College, Majmaah University, Kingdom of Saudi Arabia.** The keynote speech is devoted to the Overview of Digital Forensics and its Relationship between Cyber security and Digital Forensics with various illustrations.

#### **Technical Session - 2**

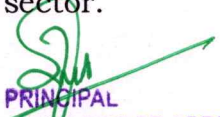
**Prof. A. Sevuga Pandian, Assistant Professor cum Head, Department of Computer Science (UG), Kristu Jayanthi Collge, Bangaluru.** The keynote speech is devoted to Data Duplication open problems and future directions and data duplication in open source community. Duplication of data in cloud storage and Internet of Things and Hash based fingerprinting.

#### **Technical Session - 3**

**Mr. P. Maharajan, Software Architect, Auxo, Technology Labs Pvt. Ltd., Bangaluru.** He spotted out during his speech the new software architecture trends to watch include micro frontends, Data Mesh, AsyncAPI, and Policy as Code. The variety of purposes shows that innovation is occurring in many different areas in the architectural landscape. There has been increased interest in low-code/no-code platforms, which can empower non-developers to customize a system.

#### **Technical Session - 4**

Second Day International conference started with our technical session with **Dr. Norra Vernon Sahayam, Data Warehouse / Business Intelligence Consultant at Public Sector, Hampshire Hospital Foundation Trust, United Kingdom.** While her speech she emphasized that, in 2021, AI and ML will continue to play a key role in cybersecurity to identify threats, enable fraud preventive measures, and just in time risk mitigation,” says Shantanu Preetam, Chief Technology Officer, PayU India, a payment gateway. “In 2021, AI, Blockchain, and Quantum Computing are expected to make changes in the finance sector.

  
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### Technical Session - 5

**Dr. Sagaya Aurelia, Assistant Professor in Computer Science, School of Sciences, Central Campus Christ (Deemed to be University), Bangaluru.** The keynote devoted to the New innovative idea of Blockchain, crypto currency, p2p network and program as solidity languages which extended to ECMA how to merge with ML and AI, Grid Computing and Cloud Computing etc.,

### Technical Session - 6

**Dr. Ramkumar Krishnamoorthy, Assistant Professor in Computer Science, Faculty of Science & Technology, Vishwakarma University, Pune.** He was talking about the technology that enables wireless communication between devices has, over the last four decades, delivered first voice services and later mobile data and the Internet. 5G now promises to profoundly change wireless technology as well as society, and not just by simply improving 4G. Rather, 5G has been designed primarily to open up new use cases for businesses where speed, reliability and reduced latency are critical.

### Valedictory Session

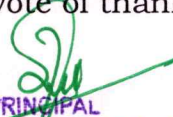
**Mrs. A. Gayathri,** Assistant Professor of CS&CA, Welcomed the gathering.

**Dr. R. Nandhakumar,** Assistant Professor of CS&CA introduced the Chief Guest of the Valedictory.

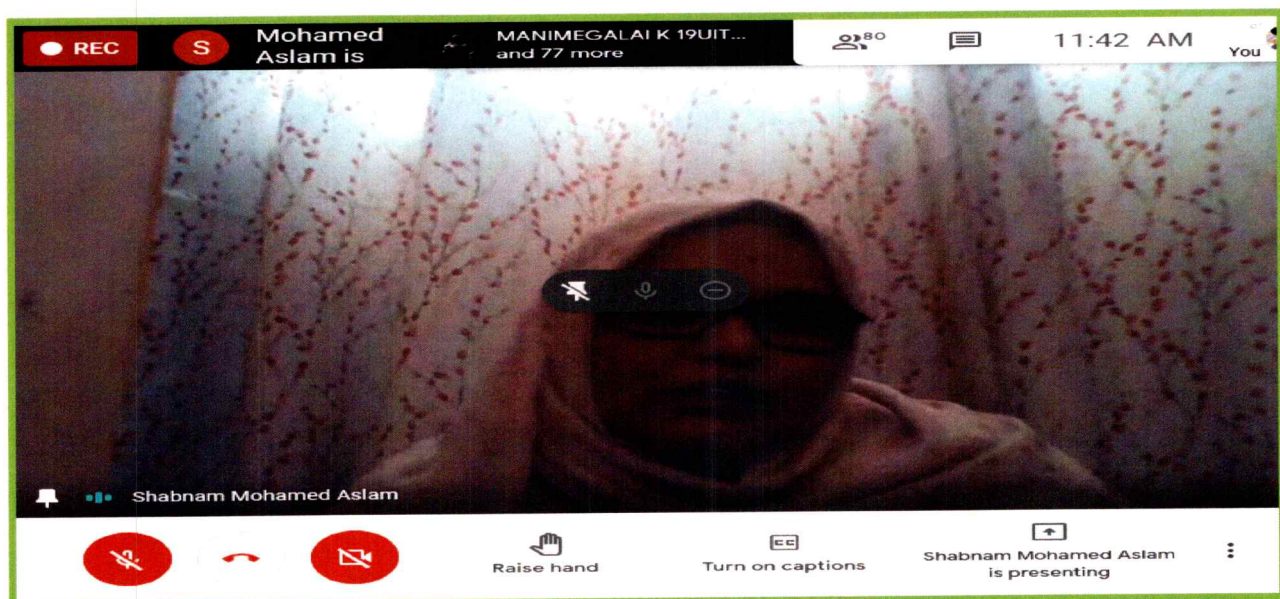
**Dr. M. PRABAVATHY, Assistant Professor and Head, Centre for Differently Abled Persons Bharathidasan University, Trichy.** She was addressed in valedictory speech, in today's era when this modern world is welcoming social media and remains online almost 24x7. Smartphones and the internet are just like our second life. Having accounts on different social media platforms is like an extension to our personalities. But as much as these social media applications made our lives easy by establishing our connection easily to all our friends, we are also exposed to the dark side of this virtual world. This world is not so virtual when it comes to cyber harm. It's quite hard to recognize which age group is at higher risk from this cyber harm. But recently a series of incidents happened targeting women and their safety being compromised.

Finally, on behalf of the PG and Research Department of CS and CA, the conference Co coordinator of **Mr. V Arunkumar** red the conference report.

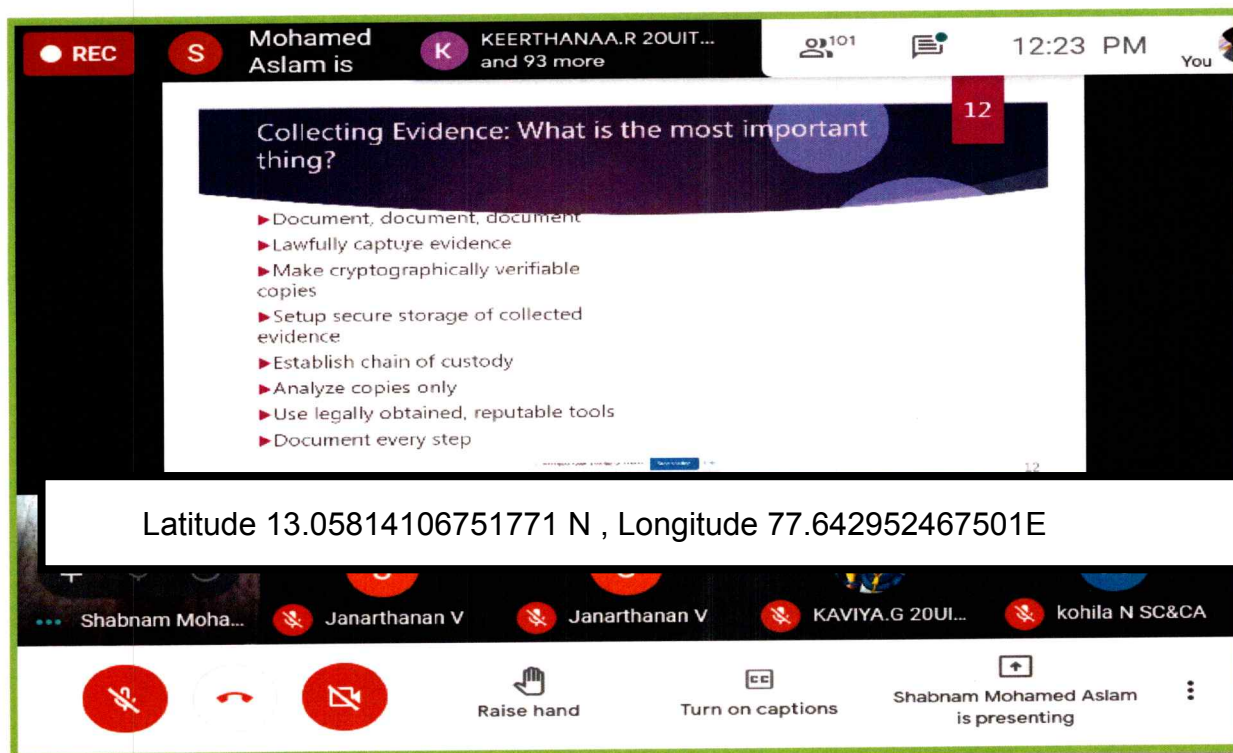
**Mrs. S. Anitha,** Assistant Professor of CS&CA delivered the vote of thanks.

  
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# PHOTOS



Technical Session – 1 Special Guest, Dr. Shabnam Mohamed Aslam, Assistant Professor, Department of Information Technology and Computer Sciences and Information Technology College, Majmaah University, Kingdom of Saudi Arabia, devoting her special talk on Digital Forensics & Cyber Hunt (11.30am to 1.15pm).



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# Invitation



Chairman & Secretary



## VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN

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Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu, India.

### PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

The Management, Principal, Director, COE, Deans, HODs, Faculty Members & Students  
Cordially invite you to

### 3<sup>rd</sup> VIRTUAL INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN COMMUNICATION & TECHNOLOGY (ICATCT – 2021)

19<sup>th</sup> & 20<sup>th</sup> MARCH 2021

*In Association with*

### ASIA PACIFIC UNIVERSITY OF TECHNOLOGY & INNOVATION

Bukit Jalil, Kuala Lumpur, Malaysia.

ICT ACADEMY OF TAMILNADU, Chennai. CSI (Computer Society of India), Chennai.

KRISTU JAYANTI COLLEGE, Bengaluru.

&

CHRIST (DEEMED TO BE UNIVERSITY)

Bengaluru.

*[Handwritten Signature]*  
PRINCIPAL  
VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (Autonomous)  
ELAYAMPALAYAM - 637 205  
TIRUCHENGODE, TK, NAMAKKAL Dt., TAMIL NADU, INDIA



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"Vidhya Rathna"

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Chairman & Secretary,  
Vivekanandha Educational Institutions & Hospitals,  
Tiruchengode & Sankari.

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Managing Director,  
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Vice Chairman,  
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Director,  
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**Prof. S. KUPPUSWAMI, B.E., M.Sc (ENG), Dr. Ing (France).**  
Former Vice-Chancellor of Pondicherry University,  
Executive Director,  
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CoE cum Dean / CS & CA,  
Vivekanandha College of Arts & Sciences for Women  
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### CO-CONVENER

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AP / CS & CA,

**Mrs. A. GAYATHRI, M.Sc, M.Phil., M.C.A., (Ph.D),,**  
AP / CS & CA,

**Mrs. S. ANITHA, M.C.A, M.Phil., (Ph.D),,**  
AP / CS & CA,

**Mrs. S. DHANALAKSHMI, M.C.A, M.Phil., (Ph.D),,**  
AP / MCA,  
Vivekanandha College of Arts and Sciences for Women  
(Autonomous).

### ORGANIZING SECRETARIES

**Mr. V. ARUNKUMAR, M.C.A, M.Phil., (Ph.D),,**  
AP / CS & CA,

**Mrs. S. SABITHA, M.Sc., M.Phil.,**  
AP / CS & CA,  
Vivekanandha College of Arts and Sciences for Women  
(Autonomous).

### ORGANIZING EXECUTIVE MEMBERS

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AP / CS & CA,

**Mr. S. MURUGANANDHAM, M.Sc., M.Phil., (Ph.D),,**  
AP / CS & CA,

**Mr. D. RAJAGOPAL, M.C.A., M.Phil., (Ph.D),,**  
AP / CS & CA,  
Vivekanandha College of Arts and Sciences for Women  
(Autonomous).



Chairman & Secretary



## VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN

(Autonomous)

An ISO 9001:2008 certified Institution  
(Affiliated to Periyar University, Salem, Approved by AICTE,  
Re-Accredited by NAAC with 'A' grade,  
Recognized under section 2(f) & 12(B) of UGC Act, 1956),  
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt.,

*Organized by*

**PG & RESEARCH DEPARTMENT OF  
COMPUTER SCIENCE AND APPLICATIONS**

*In Association With*

**ASIA PACIFIC UNIVERSITY OF  
TECHNOLOGY & INNOVATION  
BUKIT JALIL, KUALALUMPUR, MALAYSIA.  
ICT ACADEMY OF TAMILNADU, CHENNAI.  
CSI (Computer Society of India), CHENNAI.  
KRISTU JAYANTI COLLEGE**

**&  
CHRIST (DEEMED TO BE UNIVERSITY),  
BENGALURU.**

**3<sup>rd</sup> VIRTUAL INTERNATIONAL CONFERENCE  
ON ADVANCED TRENDS IN  
COMMUNICATION & TECHNOLOGY  
(ICATCT - 2021)**

**19<sup>th</sup> & 20<sup>th</sup> MARCH 2021**





# VIVEKANANDHA

**COLLEGE OF ARTS AND SCIENCES FOR WOMEN  
(AUTONOMOUS)**

[An ISO 9001: 2008 Certified Institution]

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ELAYAMPALAYAM, THIRUCHENGODE – 637 205

## **PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS**



**STUDENTS EXCHANGE PROGRAMME  
(KRISTU JAYANTI COLLEGE – BENGALURU)**

**(06.12.2019 – 12.12.2019)**



# VIVEKANANDHA EDUCATIONAL INSTITUTIONS TIRUCHENGODE

## STUDENTS EXCHANGE PROGRAMME REPORT


Name of the College	Vivekanandha College of Arts and Sciences for Women (Autonomous)
Department	PG and Research Department of Computer Science and Applications
Place of visit and approved rate	Kristu Jayanti College(Autonomous) – Bengaluru Rs.2,165(per student) Two Thousand One Hundred and Sixty Five Rupees only
Date of visit	06-12-19 & 12-12-19 (7 Days)
Name of the Tour Operator	Self( By Train & Bus)
No.of Students	Computer Science - 12 Students
Faculty Coordinators	1.Dr.T. RAMAPRABHA HOD I/C 2.Ms. A.P. UVAREKA AP/CS 3.Dr.R. NANDHAKUMAR AP/CS
Overall Report	<ul style="list-style-type: none"><li>➤ First two days (06-12-2019 &amp; 07-12-2019) Students and Faculty members were attended International Conference on Computational Intelligence (NCCI2K19).First day we acquired much knowledge on Machine Learning with Bioinformatics along with recent trends about IoT and its Challenges with automated evaluation and hyper connectivity.</li><li>➤ We were also enlightened innovate CI techniques and various algorithms such as Bio-Inspired, Genetic, Dynamic ranking, ANN, Negamax etc through their scholars ICT presentation.</li><li>➤ On 08.12.2019 we had an entire campus visit of Kristu Jayanti Collge. We were astonished by its infrastructure and environmental appearance. On that afternoon we visited the holly Iskcon temple and worshipped the god Krishna whole heartedly.</li><li>➤ From 09.12.2019 to 11.12.2019, we had undergone an excellent life skill training programme, which covers every dimension of life style and how to respond each impulse along with our body language. It encompasses all the valuable topics such as Self awareness, empathy, creative and critical thinking along with managerial problem solving, interpersonal relationship and stress management techniques.</li><li>➤ On 12.12.2019, A workshop about “ChatBot” through which we came to know a novel approach about Chabot , i.e. how to create automatic textual or voice message based on Interaction on Contextual basis. It is very mind blowing workshop.</li></ul>

  
COORDINATOR

  
HOD

  
DEAN

  
PRINCIPAL

  
PRINCIPAL  
VIVEKANANDHA COLLEGE OF ARTS AND  
SCIENCE, FOR WOMEN (Autonomous)  
VICAS. ELAYAMPALAYAM - 637 205  
TIRUCHENGODE TK, NAMAKKAL DT  
TAMILNADU

Principal's Recommendation:

# PHOTOS

Kristu Jayanti College (Autonomous) , Bengaluru



**Dr.T Ramaprabha HoD I/C, Department of CS & CA, VICAS, lighting the lamp in the 3<sup>rd</sup> National Conference on “Computational Intelligence (NCCI – 2019)” at Mini Auditorium – III, Kristu Jayanti College**



Latitude 13.05871610910706 N , Longitude 77.64173733428085 E

The **Principal, Fr. Josekutty** welcomed our **students and faculty members**

  
PRINCIPAL

VIVEKANANDHA COLLEGE OF ARTS AND  
SCIENCES FOR WOMEN (Autonomous)  
ELAYAMPALAYAM - 637 205  
TIDUCHENGODE TK, NAMAKKAL DT



# VIVEKANANDHA

**COLLEGE OF ARTS AND SCIENCES FOR WOMEN**

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Elayampalayam – 637 205. Tiruchengode, Namakkal Dt., Tamil Nadu

## INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN COMMUNICATION AND TECHNOLOGY (ICATCT'19)



*Organized by*

**PG & Research Department of Computer Science and  
Computer Applications**

**VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN  
[Autonomous]**

&

**ASIA PACIFIC UNIVERSITY OF TECHNOLOGY & INNOVATION  
Bukit Jalil, Kuala Lumpur, Malaysia.**

*In association with*

**ICT Academy**

*Dr. K. Poongotha*  
**Dr. K. POONGOTHA**, M.Phil., Ph.D.  
HEAD, PG and Research Department of CS and CA,  
Vivekanandha College of Arts and Sciences  
for Women (Autonomous),  
Elayampalayam, Tiruchengode, Namakkal Dt.

**Date: 22.03.2019 & 23.03.2019**

*Dr. L. Arinam*  
**Dr. L. ARINAM**, M.A., M.Phil., M.Tech., Ph.D.  
HEAD, PG and Research Department of CS and CA,  
Vivekanandha College of Arts and Sciences  
for Women (Autonomous),  
Elayampalayam-637 205, Tiruchengode Tk, Namakkal Dt.



VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN  
(AUTONOMOUS)  
ELAYAMPALAYAM.

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Submitted to Honorable Chairman Sir

Office Note No. CSCA/2019/01/037/ Dated :21/01/2019

**Sub: - Requesting permission to conduct Two Days International Conference and Workshop - Reg.**

We have planned in our department action plan (2018-2019) to conduct an International Conference during even semester and as per direction of MoU signed with Asia Pacific University of Technology and Innovation, Malaysia, our department is going to organize Two Days International Conference on Advanced Trends in Communication & Technology from 22.03.2019 to 23.03.2019 and followed by One Day International Workshop on IOT & SAP on 23.03.2019, jointly organized with Asia Pacific University of Technology and Innovation, Malaysia. So we request your kind permission and approval for the following.

- VEI UG and PG Students Registration Fee - Rs.200/- ✓
- VEI Students Paper Publication Fee - Rs.800/- ✓
- Workshop participation fee Rs.500/- ✓
- To avail our college transport facilities, guest room for receiving and sending guest from 22.03.2019 to 23.03.2019. ✓
- Requesting permission to take print brochure, certificates, postures from our Karun printers.
- Also give your permission to book Auditorium and Seminar Hall, Photos, Audio and Videos from 22.03.2019 to 23.03.2019. ✓
- Requesting permission to provide lunch and refreshment for Conference and Workshop Participants in VIETW mess.
- Requesting to purchase and distribute Conference kit.

Enclosure: 1. Approximate Budget

2. Brochure

*Janga*  
(Dr. J. Ramaprabha) *A. Janna*  
(A. REVATHI)

Forwarded to Dean

*Dr. K. Poongothai*  
23/01/19  
(Dr. K. Poongothai)  
HoD(CS&CA)

Remarks

Submitted to Principal.

*Dr. L. Aruna*  
23/1/19  
(Dr. L. Aruna)  
DEAN(CS & CA)

Remarks

Submitted to the chairman Sir  
May be considered.

*Principal*  
23/1/19  
PRINCIPAL

Remarks

*Chief Executive*  
Chief Executive

Hon'ble Chairman Sir Order.



VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN  
(AUTONOMOUS)  
ELAYAMPALAYAM, TIRUCHENGODE - 637 205

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE  
AND APPLICATIONS

Summary Report of Two Days International Conference on Advanced Trends in  
Communication and Technology(ICATCT 2019)  
International Workshop on Big Data Analytics & IoT

25<sup>th</sup> March, 2019

Submitted to Hon'ble Chairman Sir

1. We wish to express our heartfelt gratification to our Hon'ble Chairman Sir and management for provided their consent and support to organize this Two Days International Conference on Advanced Trends in Communication and Technology (ICATCT) 2019 & International Workshop on Big Data Analytics & IoT successfully.
2. In the morning the inaugural function of this mega fest commenced with a prayer song.
3. Principal rendered the function with his Welcome address. Chief Guest was honored by our Advisor Prof Dr.D.Viswanathan, Former Vice Chancellor Anna University with shawl and memento.
4. Dean Dr.L.Aruna, CS/CA expressed his gratitude to our honorable Chairman Sir and Conferred the theme of Conference.
5. Our Advisor Prof Dr.D.Viswanathan, Former Vice Chancellor Anna University gave his special address about current trends in IT Field.
6. Our Advisor Sir released a special issue **Journal of Emerging Technology and Innovative Research .It is an International open access Journal UGC Approved Journal No:63975, ISSN NO:2349-5162,Impact Factor:5.87.** It was received by our chief guest Prof.Dr.Ir.Vinesh Thiruchelvam, Dean, Faculty of computing, Engineering & Technology, Asia Pacific University of Technology & Innovation, Malaysia.
7. Our R&D Dean Dr. L. R.Gopinath & Dean of Bioscience Dr.Shankar conferred felicitation address.
8. Our Student From II BSc(cs) Ms.S.Susmitha delivered a chief guest profile.
9. Inaugural address was given by the chief guest **Prof.Dr.Ir.Vinesh Thiruchelvam**, Dean, Faculty of computing, Engineering & Technology, Asia Pacific University of Technology & Innovation, Malaysia. In session-I he gave a speech about how the technology transform the world, Data Analytics for climate change, Aquaculture management, Iceberg monitoring, Maritime economics, Mall size Estimation, Drilling Engineering, BIT Algorithms, Drilling Data ,Types of Analytics etc.,
10. In Session-II our chief guest **Prof.Dr.M.Selvakumar Samuel**, Professor in computing & Technology & coordinator -APU Academic Systems, Asia Pacific University of Technology & Innovation, Malaysia. He motivated and delivered his speech on Information and Communication Technology, Programming Paradigm, Programming Language ,IEEE, Modern Digital Technologies, Addiction on mobile phones and games etc.,



11. We received **120 papers** from (Karnataka, Pondicherry Tamilnadu & United States) various participants. Among them 91 papers were published in journal of JETIR. The presenters came from 33 various colleges and 8 different universities. On the first day conference 50 papers were presented in 2 tracks such as Big Data Analytics& IoT, Data Mining. On the second day 41 papers were presented in 2 tracks such as Machine Learning and Virtual Reality. More or less **850 participants** attended the conference in two days.
12. Finally vote of thanks was proposed by Ms.Keerthana I-BCA and the program ended with National Anthem
13. International Workshop was conducted by our chief guest Prof.Dr.M.Selvakumar Samuel, Professor in computing & Technology & coordinator –APU Academic Systems, Asia Pacific University of Technology & Innovation, Malaysia conducted workshop in two sessions:
  - Session I : **“IoT Programming with ARM &ST Electronics Platforms”**
  - Session II: **“The Predictive Analytics with SAP –Lumira Discovery”**
14. He effectively demonstrated how to do data analysis with Big Data set of a German cycle company named GBI and lively explained the analysis of the same.
15. The participants were trained to use temperature sensor in the mobile by embedding coding in microcontroller.
16. 60 participants attended the workshop.
17. He explained how IOT can made useful for the society by creating applications for physically handicapped, children , women safety , education, agriculture , government sectors , private organizations etc.
18. The workshop was very useful to the participants regarding project preparation with IoT.
19. The Valedictory function was started with Welcome Address given by Ms.Shalini I-BCA.
20. Special Address was given by our Advisor Prof Dr.D.Viswanathan, Former Vice Chancellor Anna University, Chennai.
21. Conference and Workshop report was delivered by Prof.Dr.T.Ramaprabha.
22. Students expressed their gratitude to our honorable Chairman sir and Dean of CS/CA in their feedback.
23. Conference and Workshop certificates were distributed.
24. Vote of Thanks given by Ms.S.Santhiya I-BCA.
25. The Conference and Workshop were successfully completed and end with National Anthem.



**PRINCIPAL**  
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 ELAYAMPALAYAM - 637 205  
 TIRUCHENGODE TAMILNADU



**Dr.L.Aruna**  
**Dean of CS/CA**

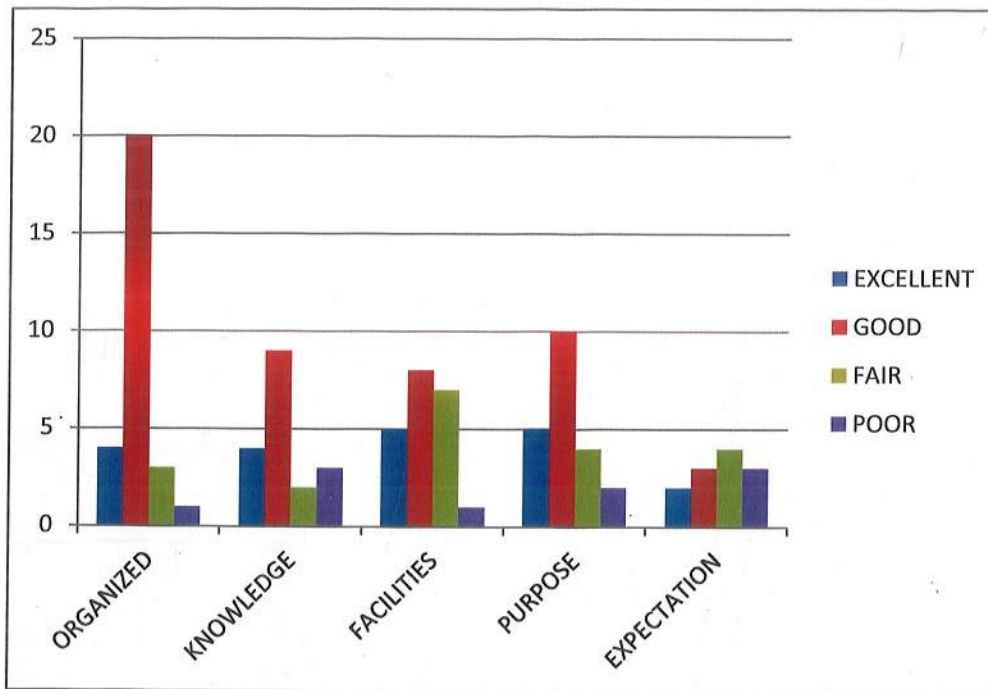
**Dr. L. ARUNA, M.Sc., M.Phil., M.Tech., Ph.D.,**  
**DEAN, PG and Postgraduate Department of CS and CA,**  
**Vivekanandha College of Arts and Sciences**  
**for Women (Autonomous),**  
 Elayampalayam-637 205, Tiruchengode Tk, Namakkal Dt.

**INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN COMMUNICATION  
AND TECHNOLOGY**

**(ICATCT'19) 22<sup>nd</sup> & 23<sup>rd</sup> March - 2019**

**FEEDBACK STATISTICAL REPORT**

	EXCELLENT	GOOD	FAIR	POOR
<b>ORGANIZED</b>	4	20	3	1
<b>KNOWLEDGE</b>	4	9	2	3
<b>FACILITIES</b>	5	8	7	1
<b>PURPOSE</b>	5	10	4	2
<b>EXPECTATION</b>	2	3	4	3
	<b>20</b>	<b>50</b>	<b>20</b>	<b>10</b>



*Dr. L. Aruna*

*10/4/19*

**Dr. L. ARUNA, M.Sc., M.Phil., M.Tech., Ph.D.**  
DEAN, PG and Research Department of SS and CA,  
Vivekananda College of Arts and Sciences  
for Women (Autonomous)  
Elavampalayam-637 205, Tiruchengode Tk, Namakkal Dt.

VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (Autonomous)  
PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS  
&  
ASIA PACIFIC UNIVERSITY OF TECHNOLOGY & INNOVATION,  
BUKIT JALIL, KUALA LUMPUR, MALAYSIA  
INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN COMMUNICATION  
& TECHNOLOGY (ICATCT'19) 22<sup>nd</sup> & 23<sup>rd</sup> March 2019

PARTICIPANTS FEEDBACK

COLLEGE NAME : VICAS

PARTICIPANT NAME : V. Janani

COURSE & DEPT : II - B.Sc(IT)

PG & research department of computer  
science & Application.

ABOUT THE CONFERENCE:

Good morning sir,

First of all thank you for the


wonderful opportunity. This conference was very

useful us. I like very much. I learned more.

I want more conference like this. This is my

kindly request

Thank you



V. Janani  
SIGNATURE

Dr. K. POONGODI, M.Sc., M.Phil., Ph.D.,  
HEAD, PG and Research Department of CS and CA,  
Vivekanandha College of Arts and Sciences  
for Women (Autonomous),  
Elayampalayam-637 205, Tiruchengode Tk, Namakkal Dt.

VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (Autonomous)  
PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS  
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INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN COMMUNICATION  
& TECHNOLOGY (ICATCT'19) 22<sup>nd</sup> & 23<sup>rd</sup> March 2019

PARTICIPANTS FEEDBACK

COLLEGE NAME : VLCA8  
PARTICIPANT NAME : M. Parithia  
COURSE & DEPT : II - B.Sc. IT.  
PG & Research Department of Computer  
Science & Applications.

ABOUT THE CONFERENCE:

Good morning Sir, First of all, I would  
like Thank you to our management for  
arranged the wonderful guest lecture.  
This session is very useful, I am  
very keen on learning about the  
Data Mining & addiction Social  
Media. It is very useful for us.

Thanking you.

Dr. L. ARUNA, M.Sc., M.Phil., M.Tech., Ph.D.  
DEAN, PG and Research Department of CS and CA,  
Vivekanandha College of Arts and Sciences  
for Women (Autonomous),  
Elayampalayam-637 205, Tiruchengode Tk., Namakkal Dt.

SIGNATURE

Dr. K. POONGUZZAN, M.Sc., M.Phil., Ph.D.,  
HEAD, PG and Research Department of CS and CA,  
Vivekanandha College of Arts and Sciences  
for Women (Autonomous),  
Elayampalayam-637 205, Tiruchengode Tk., Namakkal Dt.



*Lighting Kuthuvilakku By Chief Guest*



*Welcome Address By Principal Sir*

  
PRINCIPAL  
VIVEKANANDHA COLLEGE OF ARTS &  
SCIENCES FOR WOMEN (Autonomous)  
MAYAMPALAYAM - 637 205  
TIRUCHENGODE TK, NAMAKKAL DT  
TAMILNADU



*Honouring The Chief Guest*



*Honouring The Chief Guest*

*Sri*  
VIVEKANANDA COLLEGE OF ARTS & SCIENCES FOR WOMEN (Autonomous)  
ELAYAMPALAYAM - 637 205  
TIRUCHENGODE TK, NAMAKKAL DT  
TAMILNADU

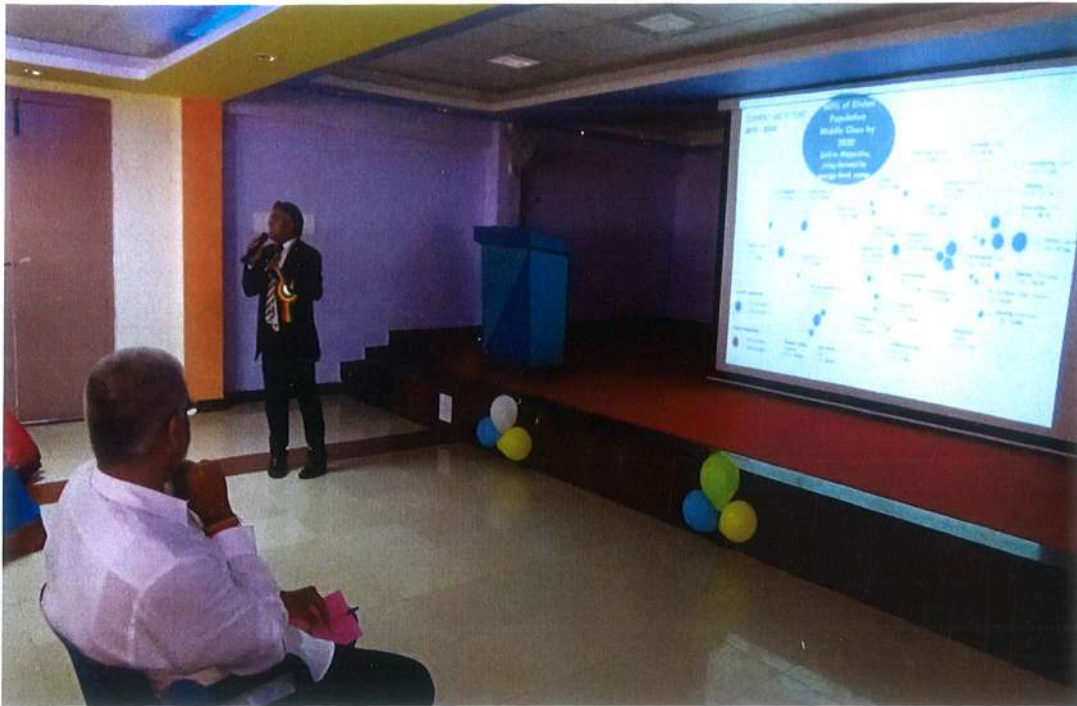


*Theme Of The Conference By Dean Sir*



*Souvenir Release*

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ELAYAMPALAYAM - 637 205  
TIRUCHENGODE TK, NAMAKKAL DT  
TAMILNADU




**Chief Guest Dr. Selvakumar Samuel Address The Gathering**



Latitude: 11.361946405001724 N, Longitude: 77.94565830868972 E

**Chief Guest Dr. IR. Vinesh Thiruchelvam Address The Gathering**

  
VIVEKANANDHA COLLEGE OF ARTS,  
SCIENCES FOR WOMEN (Autonomous)  
ELAYAMPALAYAM - 637 205  
TIRUCHENGODE TK, NAMAKKAL DT  
TAMILNADU





# VIVEKANANDHA

## COLLEGE OF ARTS AND SCIENCES FOR WOMEN

(AUTONOMOUS)

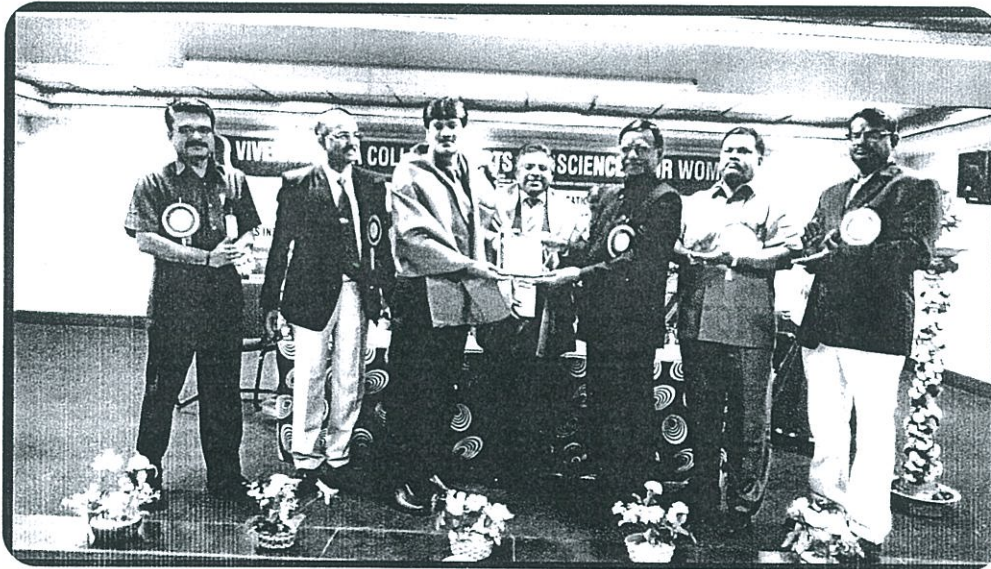


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Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

## ASIA PACIFIC UNIVERSITY OF TECHNOLOGY & INNOVATION

Bukit Jalil, Kuala Lumpur, Malaysia.

# INTERNATIONAL WORKSHOP ON BIG DATA ANALYTICS & IoT



Date: 23<sup>rd</sup> March, 2019

Organized by

PG & RESEARCH DEPARTMENT OF  
COMPUTER SCIENCE AND APPLICATIONS

**VIVEKANANDHA**  
COLLEGE OF ARTS AND SCIENCES FOR WOMEN  
(AUTONOMOUS)

*Dr. K. POONGOTHA*  
10/4/19  
Dr. K. POONGOTHA, M.Sc., M.A., Ph.D.  
HEAD, PG and Research Department of CS and CA,  
Vivekanandha College of Arts and Sciences  
for Women (Autonomous),  
Elayampalayam-637 205, Tiruchengode Tk, Namakkal Dt.

*10/4/19*

*[Signature]*  
PRINCIPAL

SCIENCES FOR WOMEN  
ELAYAMPALAYAM - 637 205  
TIRUCHENGODE TK, NAMAKKAL DT  
TAMIL NADU

# INTERNATIONAL WORKSHOP

ON  
BIGDATA ANALYTICS & IoT



**VIVEKANANDHA**  
**COLLEGE OF ARTS AND SCIENCES FOR WOMEN**  
(AUTONOMOUS)



**ASIA PACIFIC UNIVERSITY**  
**OF TECHNOLOGY & INNOVATION**

**Date**  
**23<sup>rd</sup> March, 2019**

Bukit Jalil, Kuala Lumpur, Malaysia.

**Venue**  
**Vivekanandha A/C Auditorium**

*In association with*



**ICT ACADEMY**

Innovate... Collaborate... Educate...

**PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS**

## SESSION 01

**Date : 23-03-2019**

**Time : 10.00 a.m. to 11.15 a.m.**

Title :

**Big Data Applications Towards Green Engineering and Technology**

Resource Person :

**Prof. Dr. Ir. VINESH THIRUCHELVAM,**

Dean, Faculty of Computing, Engineering & Technology,  
Asia Pacific University of Technology & Innovation, Malaysia.

## SESSION 02

**Date : 23-03-2019**

**Time: 11.30 a.m. to 1.00 p.m.**

Title :

**IoT Programming with "ARM and ST Electronics Platforms"**

Resource Person :

**Dr. M. SELVAKUMAR SAMUEL,**

Senior Lecturer in Computing & Technologies  
Asia Pacific University of Technology & Innovation, Malaysia.

## SESSION 03

**Date : 23-03-2019**

**Time : 02.00 p.m. to 04.00 p.m.**

Title :

**The Predictive Analytics with SAP – Lumira Discovery**

Resource Person :

**Dr. M. SELVAKUMAR SAMUEL,**

Senior Lecturer in Computing & Technologies  
Asia Pacific University of Technology & Innovation, Malaysia.

**Convenor**

**Dr. L. ARUNA, Dean / CS & CA**

**For Workshop Registration Contact**

Mr. V. ARUNKUMAR, AP/CS & CA. +91 98659 73656  
Mr. S. RAJA, AP/CS & CA. +91 99447 00954

**For International Conference Contact**

Dr. K. POONGOTHAI, HoD/CS & CA +91 94433 12491  
Dr. G. KESAVARAJ, ASP/CS & CA +91 98946 19794  
Dr. T. RAMAPRABHA, Prof/CS & CA +91 94432 33302  
Ms. A. REVATHI, AP/CS & CA +91 90800 59134  
Dr. P. SUMITRA, AP/CS & CA +91 94438 14194  
Dr. R. UMADEVI, AP/CS & CA +91 99422 04146  
Mr. V.P. MUTHUKUMAR, HoD(i/c)/CS & CA +91 99421 76565

**www.apu.edu.my + www.vicas.org + Email Id : icatct2019@gmail.com**

VIVEKANANDHA COLLEGE OF ARTS & SCIENCES FOR WOMEN (Autonomous)  
KUALA LUMPUR - 637205



**A.P.U**  
ASIA PACIFIC UNIVERSITY  
OF TECHNOLOGY & INNOVATION

# VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN

(AUTONOMOUS)

( An ISO 9001 : 2008 Certified Institution, Affiliated to Periyar University, Approved by AICTE,  
Re-accredited with 'A' Grade by NAAC, Recognized under section 2(f) & 12(B) of UGC Act, 1956 )  
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

**PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS & MCA**

**&**

# ASIA PACIFIC UNIVERSITY OF TECHNOLOGY AND INNOVATION

Bukit Jalil, Kuala Lumpur, Malaysia

*In Association with*

## COMPUTER SOCIETY OF INDIA & ICT ACADEMY

*The Management, Principal, Deans, HoDs, Faculty Members and Students Cordially invite you to the*



### INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN COMMUNICATION & TECHNOLOGY

( ICATCT - 2019 )

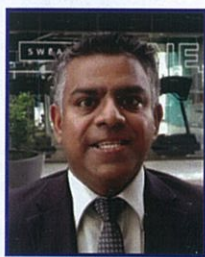
### INTERNATIONAL WORKSHOP ON BIG DATA ANALYTICS & IoT



*Date : 22-03-2019 - 10.30 a.m*

*Venue : IT Block Seminar Hall*

#### Chief Guests



#### **Prof. Dr. Ir. VINESH THIRUCHELVAM, Ph.D.,**

Dean, Faculty of Computing, Engineering & Technology,  
Asia Pacific University of Technology & Innovation,  
Malaysia.



#### **Prof. Dr. M. SELVAKUMAR SAMUEL, Ph.D.,**

Professor in Computing & Technologies &  
Coordinator – APU Academic Systems,  
Asia Pacific University of Technology & Innovation,  
Malaysia.

#### Presided by

**"Vidhya Rathna"**

#### **Prof. Dr. M. KARUNANITHI, B.Pharm., M.S., Ph.D., D.Litt.,**

Chairman & Secretary,  
Vivekanandha Educational Institutions & Hospitals,  
Tiruchengode & Sankari.

*Principal*  
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SCIENCE  
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TIRUCHENGODE  
TAMILNADU

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PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS  
SUMMARY REPORT**

- Topic of the Workshop** : International Workshop on Big Data Analytics & IoT
- Date of the Workshop** : 23.03.2019
- Participated by** : Participants from our Institution and Outside Colleges
- No of participants** : 67 Participants
- Welcome Address and Resource Person Introduction** : Ms. Shalini  
I-BCA 'A'  
PG and Research Department of Computer Science and Applications,  
Vivekanandha College of Arts and Sciences for Women (Autonomous).
- Objective of the Workshop** : How to do data analysis with Big Data set of a German cycle company named GBI?  
How IoT can be made useful for the society?
- Resource Person** : Prof. Dr. M. Selvakumar Samuel,  
Professor in computing & Technology &  
coordinator –APU Academic Systems,  
Asia Pacific University of Technology & Innovation, Malaysia.
- Session I** : **IoT Programming with ARM & ST Electronics Platforms**
- Introduction about IoT Programming.
  - Explained about GBI database.
  - Connection between device to data that empowers the enterprise.
  - ST Electronics platforms feature and flexibility.
  - Implemented case study for enterprise process.
  - How IoT can be made useful for the society by creating applications for physically handicapped, children, women safety, education, agriculture, government sectors, private organizations etc.
- Session II** : **The Predictive Analytics with SAP – Lumira Discovery**
- Introduction to IRM and ST.
  - Explained about compilers - [www.mbedcompiler.com](http://www.mbedcompiler.com)
  - Hands on training on NUCLEOF40IRE device kit.
  - Explained about sensors - how it displays the room temperature and pressure.
- Vote of thanks** : Ms. Keerthana,  
I-BCA 'A',  
PG and Research Department of Computer Science and Applications,  
Vivekanandha College of Arts and Sciences for Women (Autonomous).

**National Anthem**

**INTERNATIONAL WORKSHOP ON BIG DATA ANALYTICS & IoT**  
**PHOTOS SESSION**



**The Chief Guest Dr. Selvakumar Samuel honored by Hon'ble Advisor Dr. D. Vishwanathan on 22-03-2019**



Latitude 11.359365513817515 N, Longitude 77.94451581380525 E

**Session I - IoT Programming with ARM & ST Electronics Platforms by the Chief Guest Dr. Selvakumar Samuel, APU on 23-03-2019**

PRINCIPAL



# VIVEKANANDHA

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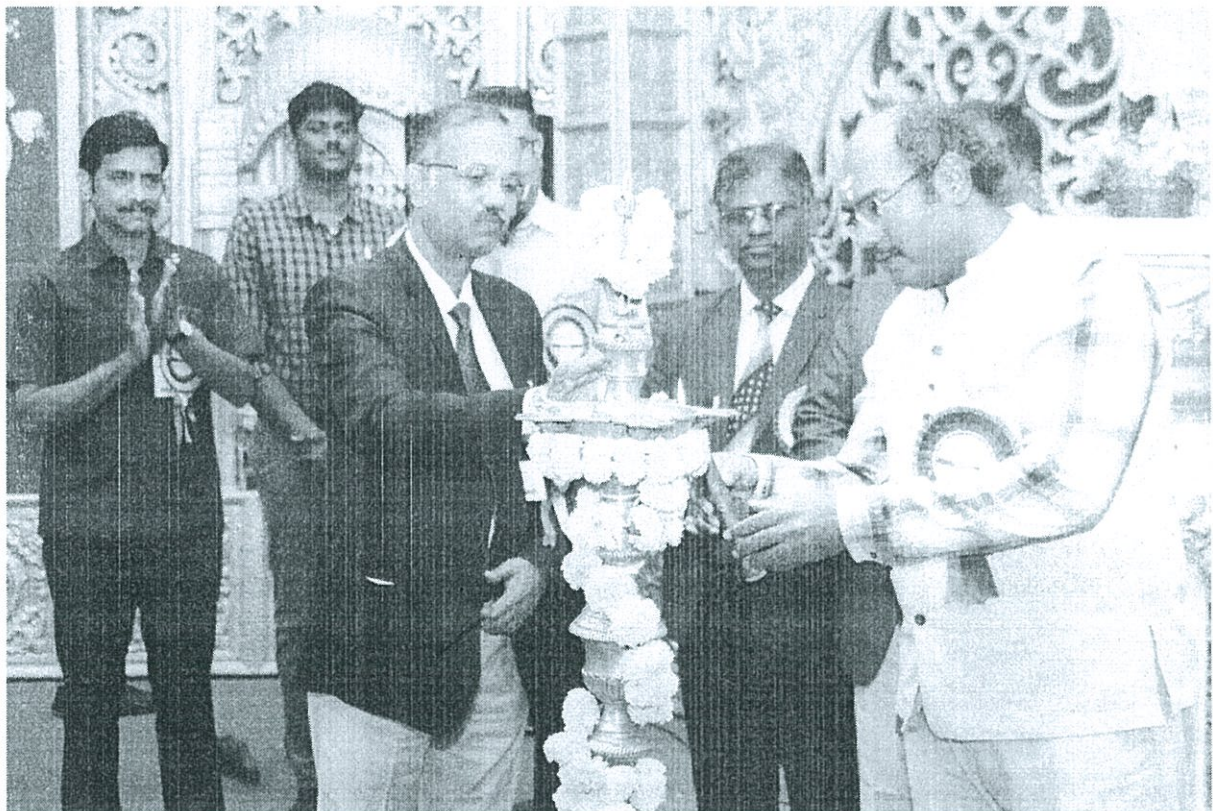
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Elayampalayam – 637 205.Tiruchengode, Namakkal Dt., Tamil Nadu

## 2<sup>nd</sup> International Conference on Advanced Trends in Communication & Technology (ICATCT 2020)



*Organized by*

**PG & Research Department of Computer Science and  
Computer Applications & Commerce**

**Date: 24<sup>th</sup> & 25<sup>th</sup> JAN-2020**



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5<sup>th</sup> Rank in 'SWACHHTA' Ranking-2019 Among Higher Educational Institutions by MHRD ]  
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

## PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS & COMMERCE

The Management, Principal, Director, COE, DCOE, Deans, HODs, Faculty Members & Students

Cordially invite you to

## 2<sup>nd</sup> INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN COMMUNICATION & TECHNOLOGY (ICATCT - 2020)

Date : 24-01-2020 & 25-01-2020

*In Association with*

### ASIA PACIFIC UNIVERSITY OF TECHNOLOGY & INNOVATION

Bukit Jalil, Kuala Lumpur, Malaysia.

ICT ACADEMY OF TAMILNADU, Chennai. KRISTU JAYANTI COLLEGE, Bengaluru.

INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY (IJERT) &

INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND EXPLORING ENGINEERING  
(IJITEE) (UGC-Care Scopus).



"Vidhya Rathna"

**Prof. Dr. M. KARUNANITHI, B.Pharm., M.S., Ph.D., D.Litt.,**

Chairman & Secretary,  
Vivekanandha Educational Institutions & Hospitals,  
Tiruchengode & Sankari.

will preside over the function

Principal  
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**B.E (MECH), M.E(Prof), Ph.D(Mech-Met), FIE, FISTE,**  
**FISNT.**

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Advisor, Vivekanandha Educational Institutions,  
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Dean - CS & CA

**Dr. P. KAMARAJ, M.B.A., M.Phil., Ph.D.,**  
Dean - Commerce

### CO-CONVENER

**Dr. P. SUMITRA, M.Sc., M.Phil., M.C.A., Ph.D.,**  
Assistant Professor, CS & CA

**Mr. V.P. MUTHUKUMAR, M.Sc., M.Phil., (Ph.D.),**  
Assistant Professor, CS & CA

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Head, Dept. of Commerce

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E-Mail : [icattc2020@gmail.com](mailto:icattc2020@gmail.com) \* Website : [www.vicas.org](http://www.vicas.org)

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### INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND EXPLORING ENGINEERING (IJITEE) (UGC-Care Scopus).

### 2<sup>nd</sup> INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN COMMUNICATION & TECHNOLOGY (ICATCT-2020)

**24<sup>th</sup> & 25<sup>th</sup> JANUARY 2020**

Venue : VIVEKANANDHA A/C AUDITORIUM








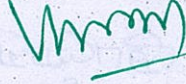
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PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS  
& COMMERCE

SUMMARY REPORT

- Topic of the Programme** : 2<sup>nd</sup> International Conference on Advanced Trends in Communication and Technology
- Date of the Programme** : 24.01.2020 & 25.01.2020
- Participated by** : All U.G., P.G ,M.Phil & Ph.D Students and Staffs.
- No of participants** : 906 Students and Staffs.
- Welcome Address** : Dr.B.T.Sureshkumar.,M.Sc., M.Phil., Ph.D.,  
Principal ,  
Vivekanandha College of Arts and Sciences for Women (Autonomous).
- Resource Person 1 Introduction** : Dr.K.Padmanabhan, MCA., M.Phil., Ph.D., MISTE.,  
Dean.,  
PG and Research Department of Computer Science and Applications,  
Vivekanandha College of Arts and Sciences for Women(Autonomous).
- Resource Person 2 Introduction** : Dr.K.Priya, M.Com., M.Phil.,MBA.,SLET.,B.Ed., Ph.D.,  
Professor & Head ,  
Department of Commerce,  
Vivekanandha College of Arts and Sciences for Women(Autonomous).
- Resource Person 3 Introduction** : Dr.T.Ramaprabha., M.Sc .,M.Phil., Ph.D.,  
Professor & Head ,  
PG and Research Department of Computer Science and Applications,  
Vivekanandha College of Arts and Sciences for Women(Autonomous).
- Resource Person 4 Introduction** : Dr.K.Padmanabhan, MCA., M.Phil., Ph.D., MISTE.,  
Dean .,  
PG and Research Department of Computer Science and Applications,  
Vivekanandha College of Arts and Sciences for Women(Autonomous)

  
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ELAYAMPALAYAM - 637 205  
TIRUCHENGODE TK, NAMAKKAL DT  
TAMILNADU



**Resource Person 5  
Introduction**

: Mr.S.Srinivasan , M.Sc., M.Phil.,  
Assistant Professor ,,  
PG and Research Department of Computer Science and Applications;  
Vivekanandha College of Arts and Sciences for Women(Autonomous)

**Objective of the  
Programme**

: The main objective of this program is to bring new creative talents in the young researchers using the advanced technologies.

**Speech by the Resource  
Persons**

: In informative speech emphasized that the most important things behind “Doing Research” were creativity, perseverance, endurance, patients, problem solving and discovering new ideas. The speech also provided valuable information about “Mind Valley” for sharing and learning about upcoming technologies and “Gallop” for talent identification.

.The communication Condemned the usage of technology for unethical purposes, cybercrimes, and also ended the speech by stating that “Using Technology For Self Purposes Is Good, For Harming Others Is Bad”. The terminology provided a complete insight about IoT, history, how, why, applications, challenges and also futuristic research oriented topics on IoT.

The verbal communication advocated to change the “Teaching And Learning Process” towards “Adaptive Learning” by framing Values Influential Norms, ie every student must check whether it helps others, by applying in positive aspects. She had also insisted about emotional connectedness with students and society.

**Vote of thanks on  
24.01.2020**

: Dr.P.Kamaraj., M.B.A .,M.Phil., Ph.D.,  
Dean ,Department of Commerce,  
Vivekanandha College of Arts and Sciences for Women(Autonomous)

**Vote of thanks on  
25.01.2020**

Dr.T.Ramaprabha., M.Sc .,M.Phil., Ph.D.,  
Professor & Head ,  
PG and Research Department of Computer Science and Applications,  
Vivekanandha College of Arts and Sciences for Women(Autonomous)

**National Anthem**

*Handwritten signature*



Lighting the Lamp by Our Chief Guest Dr. Nismon Rio on the Inauguration



Latitude 11.35848155063249 N, Longitude 77.94235709569061 E

Honoring the Chief Guest Mr. Sanjay Balasubramani Viswanathan with Shawl and Bouquet

PRINCIPAL  
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ELAYAMPALAYAM - 637 205  
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ELAYAMPALAYAM, TIRUCHENGODE (TK), NAMAKKAL (DT)



## WORKSHOP ON PYTHON PROGRAMMING WITH MACHINE LEARNING – MOU ACTIVITY REPORT


24.08.2021 TO 27.08.2021



Organized by

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND  
APPLICATIONS

Vivekanandha College of Arts and Sciences for Women (Autonomous)  
Elayampalayam  
Tiruchengode

  
VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (Autonomous)  
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TAMILNADU

  
DEAN, PG and Research Department of CS and CA,  
Vivekanandha College of Arts and Sciences  
for Women (Autonomous),  
Elayampalayam-637 205, Tiruchengode Tk, Namakkal Dt



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Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

**PG & Research Department of Computer Science and Applications**

*in Association with*

**KRISTU JAYANTI COLLEGE (Autonomous)**

(Affiliated to Bengaluru North University, Re-accredited with 'A' Grade by NAAC), Bengaluru.

Department of Computer Science



## Online Workshop

on

*Python Programming  
with  
Machine Learning*



**Mrs. B. AYSHWARYA, M.Phil (CS), (Ph.D.),**

Professor,

Department of Computer Science (UG),  
Kristu Jayanti College, Bengaluru.

### DATE

24-08-2021, Tuesday

to

27-08-2021, Friday

### TIME

3.00pm to 4.30pm

### Zoom Meeting Link

[https://us06web.zoom.us/j/85946739963?](https://us06web.zoom.us/j/85946739963?pwd=N3h4d2RFc3c1Ny93UmU5Ty8rcGt0QT09)  
[pwd=N3h4d2RFc3c1Ny93UmU5Ty8rcGt0QT09](https://us06web.zoom.us/j/85946739963?pwd=N3h4d2RFc3c1Ny93UmU5Ty8rcGt0QT09)



## Presided by

Vidhya Rathna

**Prof. Dr. M. KARUNANITHI, B.Pharm., M.S., Ph.D., D.Litt.,**

Chairman & Secretary

Vivekanandha Educational Institutions & Hospitals  
Tiruchengode & Sankari.

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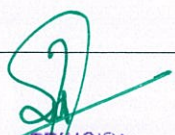
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PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE AND

APPLICATIONS

SUMMARY REPORT

<b>Topic of the Programme</b>	:	Workshop on Python programming with Machine Learning
<b>Date of the Programme</b>	:	24.08.2021 to 27.08.2021
<b>Participated by</b>	:	Final Year UG and PG Students
<b>No of participants</b>	:	266
<b>Welcome address</b>	:	V.Brindha, III B.Sc(IT), PG & Research Department of Computer Science and Applications, Vivekanandha College of Arts and Sciences for Women(Autonomous), Elayampalayam.
<b>Felicitation Address</b>	:	Dr.K.Padmanabhan, Dean, PG & Research Department of Computer Science and Applications, Vivekanandha College of Arts and Sciences for Women(Autonomous), Elayampalayam
<b>Objective of the Programme</b>	:	The main objectives of the programme are to understand about the recent trends in information technology about the machine learning concepts. She well explained about the following concepts. 1. Machine Learning at present 2. Python Features 3. Top Companies list 4. Python Syntax 5. Anaconda Distribution 6. Challenges in Machine Learning 7. How does Machine Learning work 8. Applications of Machine Learning 9. Python programming with Machine Learning
<b>Vote of thanks by</b>	:	Ms.A.P.Uvarekha, Assistant Professor, PG & Research Department of Computer Science and Applications, Vivekanandha College of Arts and Sciences for Women(Autonomous), Elayampalayam.
<b>National Anthem</b>		

  
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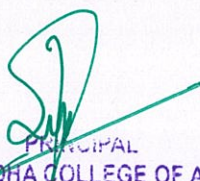
## PHOTO SESSION



**Welcome speech given by V.Brindha III B.Sc(IT) Student**



**Dr.K.Padmanabhan, Dean, Department of CS & CA felicitating the gathering**

  
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TIRUCHENGODE TK, NAMAKKAL DISTRICT  
TAMIL NADU

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Namakkal Dt., Tamil Nadu.

*Cordially invite you to*

GREEN CLUB INAUGURATION CUM SPECIAL LECTURE

&

SIGNING OF MoU with TNSRO.

*Organized by*

PG & RESEARCH DEPARTMENT OF BOTANY



Special Lecture by

**Dr. VIJI KUMAR**

**DIRECTOR**

**TAMIL NADU SCIENTIFIC RESEARCH ORGANIZATION**

**PUDHUKOTTAI**

Presided by

**Prof. Dr. M. KARUNANITHI, B.Pharm., M.S., Ph.D., D.Litt.,**

**CHAIRMAN & SECRETARY,**

**VIVEKANANDHA EDUCATIONAL INSTITUTIONS & HOSPITALS,**

**TIRUCHENGODE**

*[Handwritten signature]*  
Head of the Department of Botany  
Vivekanandha College of Arts & Sciences for Women

*[Handwritten signature]*  
PRINCIPAL  
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## **GREEN CLUB INAUGURATION CUM SPECIAL LECTURE & SIGNING OF MoU with TNSRO**

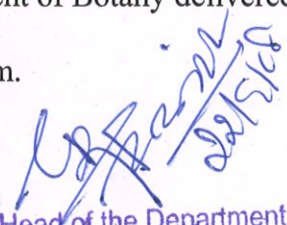
The PG & Research Department of Botany organized an event consisted of green club inauguration with a special lecture and signing of MoU on 05.09.2018 between 11.00 AM to 04.00 PM in MBA Block Seminar Hall.


The morning session started at 11.00 am with Tamil Thai Valthu. Dr. C. RAVINDER SINGH, Head, Department of Botany initiated the session and welcomed the gathering. Dr. T. SHANKAR, Dean of Bio Sciences discussed his views on green club and inaugurated the green club. The guest was introduced by Dr. C. RAVINDER SINGH, Head, Department of Botany. The inaugural address was given by Dr. VIJI KUMAR Director, Tamilnadu Scientific Research Organization, Pudukottai. He also served as a resource person for the programme. He gave a special lecture on "Sustainable Utilization of Medicinal Plants". The special lecture was organised to create awareness on medicinal plants and its usage in daily life.

The lecture was initiated with the introduction of herbs. The speaker started to explain the classification of herbs and the usage of herbs in daily life as medicines, Biofertilizers, food, accessories and cosmetics. To make the lecture as a lively one, he explained the herbal facial mask preparation which is harmless to the skin. He also added that these preparations can be done as commercial, so the students can learn and as well as earn and they can run their own business. He motivated the students to research on herbs.

He explained the conservation of endangered medicinal plants species through tissue culture method and how this method used as preservation method for endangered species from extinction. He also demonstrated the fields of Ayurveda, Siddha, Homeopathy, Unani, etc. Finally he explained the job opportunities for botanists in different organizations like FRLHT, BSI, MSSRF, CSIR and CIMAP. After the presentation, few students were interacted with the speaker to clarify their doubts and gave their feedbacks. The session ended at 1.00pm.

The afternoon session started at 2.00 pm. Dr. B. T. SURESH KUMAR, PRINCIPAL, VICAS initiated the session and shared few words on Green club. He motivated the students to achieve their surroundings as a green and clean one. He also gave the responsibility of making green campus of whole Vivekanandha Educational Institutions in the hands of botany students. The Signing of MoU signed with TNSRO in the presence of Dr. B. T. SURESH KUMAR, PRINCIPAL, VICAS. Dr. P. PRIYADARSINI, Assistant professor, Department of Botany delivered the vote of thanks. The session ended with National Anthem at 4.00 pm.

  
Head of the Department of Botany  
Vivekanandha College of Arts & Sciences for Women  
(Autonomous), Elayampalayam  
Tiruchengode Tk, Namakkal Dt.

  
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TIRUCHENGODE TK, NAMAKKAL DT  
TAMIL NADU

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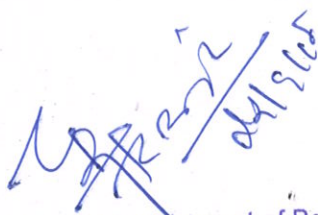
**GREEN CLUB INAUGURATION CUM SPECIAL LECTURE  
&  
SIGNING OF MoU with TNSRO**


**DEPARTMENT OF BOTANY**

**5<sup>th</sup> SEPTEMBER 2018**

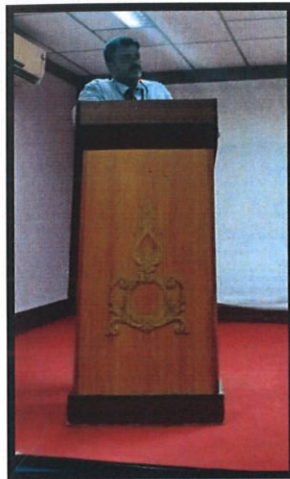
**Participants Details**

S. No.	Class & Section	No. of Participants
1	I B. Sc.,	45
2	II B. Sc.,	52
3	III B. Sc., 'A'	33
4	III B. Sc., 'B'	32
5	I M. Sc.,	13
6	II M. Sc.,	20
	<b>Total</b>	<b>195</b>

  
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Tiruchengode Tk, Namakkal Dt.

  
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**GREEN CLUB INAUGURATION CUM SPECIAL LECTURE  
&  
SIGNING OF MoU with TNSRO  
WELCOME ADDRESS**



**GREEN CLUB INAUGURATION**



  
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MAYAMPALAYAM - 637 205  
TIRUCHENGODE TK, NAMAKKAL DISTRICT  
TAMIL NADU

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**(Autonomous)**

**Elayampalayam, Tiruchengode**

**PG & RESEARCH DEPARTMENT OF BOTANY**

**In Association with IQAC & IIC**

**SIGNING OF MoU & SPECIAL LECTURE**

Date : 03.12.2021  
Time : 10.00 AM -12:30 PM  
Venue : Bioscience Seminar Hall  
Activities : Signing of MoU & Special Lecture  
Title : **Conservation and Utilization of Medicinal Plants with  
Traditional Knowledge**  
Resource person : **Dr. S. VIJIKUMAR,**  
Director,  
Tamilnadu Scientific Research Organization (TNSRO),  
Pudukottai.

No. of Participants: 155

  
06/12/21

**HOD**


**Dr. M. KANNAN, M.Sc., B.Ed., Ph.D.**

HEAD  
PG and Research Department of Botany,  
Vivekanandha College of Arts and Sciences for Women  
(Autonomous)  
Elayampalayam - 637 205, Tiruchengode.

  
**Principal**

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**ELAYAMPALAYAM - 637 205**  
**TIRUCHENGODE TK, NAMAKKAL DT**  
**TAMILNADU**

## BIO DATA

Name	Dr.S.VIJKUMAR	
Father's	A.Sahadevan	
Date of Birth	03.07.1973 Age 48	
Sex	Male	
Marital Status	Married ( 2 daughters )	
Nationality	Indian	
Permanent Address	Plot No.1,K.K.Nagar,Kavinadu West Rajagopalapuram post,Pudukkottai-3	
Communication Address	Plot No.39,Koodal Nagar, Rajagopalapuram post,Pudukkottai-3	
Contact Nos.	04322-261088,9952886637,8778365515	
E.Mail.ID	tnsroindia@gmail.com	
Alternative Mail.ID	vijiscience12@gmail.com	
Company website	www.tnsroindia.org.in	
Educational Qualification	D.Sc (AM),B.Sc., (Zoo), FNVA.,	
Professional Qualification	Master in Acupuncture and Doctor of Science in Alternative System of Medicine Expert in Naturopathy Diploma in Tamil Journalism	
Award & Fellowship, if any	Elected as a Fellowship of National Virtual Academy for Rural prosperity (FNVA)-2009	
	Best research paper presentation award, Alagappa University for Low cost SpirulinaCultivation-	
	<i>Best Environmental Conservationist</i> Award by Peace Trust RRA/ MoEF, Govt. of India.(2008& 2010)	
	<i>Shironmani Award</i> was conferred for an article on "AIDS and Acupuncture", on the occasion of III International congress of Alternative Medicines-1995	
	<i>Siddha Maruthuva Mamani</i> award for medicinal plants conservation, Madurai Siddha Association, Madurai, 21.8.1994.	
Languages Known	English and Tamil	
Research Interests field	Holistic Health, Sustainable Agriculture Medicinal Plants, Climate change Environmental Conservation, Natural Medicines , Astrophysics etc.	
Professional Positions	Managing Director, Proxwin Creators Project Consultants-(Consulting, Training, Designing and Publishing) Estd.2012	
	Editor in Chief, Indian Journal of Natural Sciences. – Since 2010	
	President, Bose Science Society, Pudukkottai,, India.- Since 1999	
	Director, TamilNadu Scientific Research Organisation,Pudukkottai - Since 1997	

## **SIGNING OF MoU with TNSRO & SPECIAL LECTURE On**

### **“CONSERVATION AND UTILIZATION OF MEDICINAL PLANTS WITH TRADITIONAL KNOWLEDGE”**

The PG and Research Department of Botany has organized a special lecture and signing of Memorandum of Understanding (MoU) on 03.12.2021 (Friday) between 10.00 am to 12.30 pm in Bioscience Seminar Hall.

Morning session has been started at 10.00 am with Tamil Thai Valthu. **Dr. M. Kannan**, Head, PG & Research Department of Botany had initiated the session and welcomed the gathering. The guest was introduced by **Dr. P. Priyadharsini**, Head (I/c), PG & Research Department of Botany. The inaugural address was given by **Dr. S. VIJIKUMAR**, Director, Tamil Nadu Scientific Research Organization (TNSRO) Pudukottai. He also has been served as a resource person for this programme. He gave a special lecture on **“Conservation and Utilization of Medicinal Plants with Traditional Knowledge”**.

While his presentation he mentioned about needs of herbals plants in the present scenario and its importance. Resource person had clearly given ideas about various fields such as Natural sciences, Traditional knowledge, and Classification of herbs. During his lecture he started about the therapeutical and pharmaceutical uses of various potential medicinal plants.

He has mentioned about application of various herbal plant species in dyeing industry and preparation of various dyes or pigments (Anthocyanins). He briefly explained about the various fields of botany include Plant physiology, Phytomedicine, Ethnobotany, Phytochemistry, Electrophysiology, Gene Transfer Technology and Biomimicry.

**VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN  
(AUTONOMOUS)**

**SIGNING OF MoU with TNSRO**

**PG & RESEARCH DEPARTMENT OF BOTANY**

**3<sup>rd</sup> DECEMBER 2021**

**Participants Details**

<b>S. No.</b>	<b>Class &amp; Section</b>	<b>No. of Participants</b>
1	I B. Sc.,	17
2	II B. Sc.,	42
3	III B. Sc., 'A'	27
4	III B. Sc., 'B'	25
5	I M. Sc.,	18
6	IIM. Sc.,	26
	<b>Total</b>	<b>155</b>

  
06/12/21

**Dr. M. KANNAN**, M.Sc., B.Ed., Ph.D.  
HEAD

PG and Research Department of Botany,  
Vivekanandha College of Arts and Sciences for Women  
(Autonomous)

Elayampalayam 637 295, Tiruchengode.





**Participants**



**Signing of MoU**

Latitude 11.361903362538577 N, Longitude 77.94561591019901, E



# VIVEKANANDHA

COLLEGE OF ARTS AND SCIENCES FOR WOMEN  
(AUTONOMOUS)

DEPARTMENT OF BIOCHEMISTRY

NATIONAL WORKSHOP IN CLINICAL LABORATORY TECHNIQUES  
AT DEEPAM HOSPITAL, CHENNAI



18-02-2020 to 20-02-2020

DEEPAM HOSPITAL, CHENNAI

THREE DAYS NATIONAL WORKSHOP  
REPORT

PRINCIPAL  
VIVEKANANDHA COLLEGE OF ARTS AND  
SCIENCES FOR WOMEN (Autonomous),  
ELAYAMPALAYAM - 637 205  
TIRUCHENGODE TK, NAMAKKAL DT  
TAMILNADU

2019 - 2020

From

Dr. K.E.Poorni,  
Head, Department of Biochemistry,  
Vivekanandha College of Arts and Sciences for Women (Autonomous),  
Elayampalayam.

To

The Chairman and Secretary,  
Vivekanandha Educational Institutions,  
Elayampalayam.

Through

Proper Channel.

Respected Sir,

Sub: Requesting permission to change the date of student's participation in National workshop in clinical laboratory techniques – Reg.

We bring to your kind consideration that we have planned to take our students to participate in National workshop in Clinical Laboratory Techniques at Deepam Hospitals, Chennai on 31.01.2020 to 02.02.2020. Due to monthly holiday, we request your kind permission to change the date from 18.02.2020 to 20.02.2020. The organizers accepted the date and request you sir, for permission to change the date. ✓

Thanking you,

Elayampalayam,  
28.01.2020.

*Pms 28/1/2020*  
Yours sincerely,

Head, Dept. of Biochemistry,  
VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (AUTONOMOUS),  
ELAYAMPALAYAM,  
TIRUCHENGODE - 621 002

*Submitted to the Chairman sir*

*✓ May be permitted*

*Vkanny*  
*28/01/2020*

*Sundar*  
PRINCIPAL  
VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (Autonomous),  
ELAYAMPALAYAM - 627 205  
TIRUCHENGODE TK, NAMAKKAL DT  
TAMILNADU


## WORKSHOP REPORT

We had started our Industrial visit to Tambaram, Chennai at 10.00 pm on 17.02.2020 from our VICAS UG hostel. We had refreshment in a nearby tea shop around 15 minutes at 12.30 am. Then we reached Chennai at 4.00 am. On the next day morning (18.02.2020) we entered the Aran Women's hostel at 8.00 am then we refreshed and had our breakfast in hostel at 8.45am and checked out from the hostel. Then we reached the Annamalai residency at 10.45 a.m.

In first day, around at 11.00 a.m Dr. Padma, and Meenakshi Udayakumar gave an inauguration speech. Then the session started at 11.15 a.m., Dr.T. Mohana, Head CRA MMM Hospitals delivered about the clinical research concepts, Drug discovery, drug designing and also how to test the drugs in animals and in humans. We gained a more knowledge about it also interacted with the students about those topics. She also talked about the chemical synthesis scale up, safety testing, pharmacokinetics and pharmacodynamics. She explained very clearly about the phases of clinical trials. She spoke about the patent protection and how to record the data accurately. It was very interesting and the morning session was completed at 1.00 p.m. Then we went to hostel to take our lunch. After that we came back to the residency.

The afternoon session started at 2.00 p.m., Dr.Prabhudaniel, Consultant Covance began his speech about pharmacovigilence. He additionally conducted some brain games that make us enthusiastic and too active to be the part of the session. Then suddenly gave some objects in our hands and asked us to do anything with that using our brain creatively. All our students were actively participated in that. Additionally he gave some information such as how to treat the disease and aiding of that suddenly before going to the hospital. For eg: scurvy, we can drink the citric fruit juice to reduce that inflammation and this method was first discovered by Janus ling in the year of 1747 and for the renal failure. We can use the sulphamide and additionally diethylene glycol to treat the renal failure in the human beings. This method was first discovered in the year of 1937. Then the FDA preclinical toxicity premarketing clinical studies are made mandatory. Then the first day afternoon session was completed around 5.30.p.m. Then we started our journey happily to the marina beach. In marina, we enjoyed a lot and mesmerized by seeing sea waves. The culture and behavior the people made us to spend some more time. After the

4

  
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TAMILNADU


shopping we enjoyed in the beach finally reached the hostel around 9.00 p.m. and took our dinner.

In the next day morning (19.02.2020), we completed our breakfast at 9.00a.m. and we visited the Deepam hospital, Tambaram branch. The hospital campus was so neat and gave pleasant feel. In the morning session we visited the ICU and laboratory and physio ward from 11.00 a.m. to 1.00 p.m under the guidance of Jaya (M.sc., Clinical Research), Mrs. Matrantara and by Dr. Balaji. All the equipments in the physio ward are in advanced level. In the ICU ward they clearly explained about the patient medical profile and their treatment to the patients. We entered in to the ICU ward through batch wise and they provide us a face and head mask to cover us for the prevention of pathogenic infections. After we took our lunch in the nearby hotel from 1.00p.m to 2.00p.m. Afterthat the completion of the lunch we all are getting ready for the paper presentation and the poster presentation. Dr. Balaji undertake the paper presentation and poster presentation he keenly observes our presentation and finally he correct our mistakes and wished us for given the presentation. At the end of that day around 5.00p.m we all began our journey to the phoenix mall at Velacherry. We spend approximately 1.15 hours in that mall and enjoyed lot. After that we took dinner in the nearby hotel and reached the hostel around 10.00p.m.

Then the last day (20.02.2020) of our industrial visit we gathered in the Annamalai residency party hall for the valedictory function. Our student Ms.S.Madhusri and Ms.Gowsalya of III-B.Sc Biochemistry got first prize in the oral and poster presentation and other students got participation certificate and took the photo shoot of the happiest moment. All our students got ready for the interview session. In the first round they given three question papers with three parts i.e., grammar, aptitude and logical reasoning the question paper is quite challengeable for our student's knowledge and they performed well.

After the completion of the exam students are requested to take the lunch around 1.00 p.m. After the lunch we all gathered there for the announcement of results and most of our students got selected in the first round of interview and all got happy for that moment. Overall the three days workshop was completed and left that hospital with some additional knowledge and information with good memories. Then we began our journey to mahabalipuram around 4.00p.m. There we visited more historical places like pallava'sratha, light house and many temples. The statues in

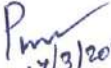
5

  
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mandapa's were mesmerized us. We reached the mahabalipuram beach at 6.00 p.m . In that pleasant breezy evening, we all saw the sunset of that day.

At the end of the whole day we gone for a shopping in the mahabalipuram beach and we take off from mahabalipuram and reached the hotel for our dinner around 9.00p.m. After the completion of our dinner we began our journey to our college with colorful memories. Finally we reached our VICAS UG hostel at 3.00a.m on 21.02.2020

  
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17/3/2020  
Head, Dept of Biochemistry,  
VIVEKANANDHA COLLEGE OF  
ARTS AND SCIENCES FOR WOMEN,  
ELAYAMPALAYAM.  
TIRUCHENGODE - 637 205

# PHOTO GALLERY

**DISCUSSION ABOUT ICU WARD  
MAINTENANCES**



**MAHABALIPURAM VISIT**



**PHARMACOVIGILANCE LECTURE BY  
DR. DANIEL**



**PRACTICE SECTION FOR STUDENTS**



**DOCTOR EXPLAINED PULMONARY  
EDEMA ICU PATIENT**



**VISITING OF UTI PATIENT IN ICU**



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Program Incharge  
Deepam Hospital

  
Program Incharge  
VIEMS

  
Director  
Deepam Hospital

  
Director  
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Deepam Hospital

  
Program Incharge  
VIEMS

  
Director  
Deepam Hospital

  
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Director  
Deepam Hospital

  
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Chandraballe  
Program Incharge  
Deepam Hospital

Program Incharge  
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Director  
Deepam Hospital

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Program Incharge  
Deepam Hospital

Program Incharge  
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*Chandrabella*  
Program Incharge  
Deepam Hospital

*[Signature]*  
Program Incharge  
VIEMS

*[Signature]*  
Director  
Deepam Hospital

*[Signature]*  
Director  
VIEMS

*[Signature]*

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*Chandrabhakte*  
Program Incharge  
Deepam Hospital

*[Signature]*  
Program Incharge  
VIEMS

*[Signature]*  
Director  
Deepam Hospital

*[Signature]*  
VIEMS

*[Signature]*

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TIRUCHENGODE (TK.) NAMAKKAL (Dt.)  
TAMILNADU

CERTIFICATE



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Program Incharge  
Deepam Hospital

  
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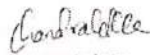
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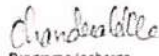


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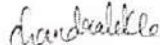


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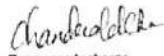


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Course Head  
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GREEN CLUB INAUGURATION CUM SPECIAL LECTURE

&

SIGNING OF MoU with TNSRO.

*Organized by*

PG & RESEARCH DEPARTMENT OF BOTANY



Special Lecture by

**Dr. VIJI KUMAR**

**DIRECTOR**

**TAMIL NADU SCIENTIFIC RESEARCH ORGANIZATION**

**PUDHUKOTTAI**

Presided by

**Prof. Dr. M. KARUNANITHI, B.Pharm., M.S., Ph.D., D.Litt.,**

**CHAIRMAN & SECRETARY,**

**VIVEKANANDHA EDUCATIONAL INSTITUTIONS & HOSPITALS,**

**TIRUCHENGODE**

*[Handwritten signature]*  
Head of the Department of Botany  
Vivekanandha College of Arts & Sciences for Women

*[Handwritten signature]*  
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## **GREEN CLUB INAUGURATION CUM SPECIAL LECTURE & SIGNING OF MoU with TNSRO**

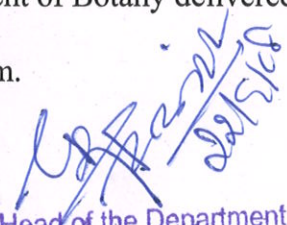
The PG & Research Department of Botany organized an event consisted of green club inauguration with a special lecture and signing of Mou on 05.09.2018 between 11.00 AM to 04.00 PM in MBA Block Seminar Hall.


The morning session started at 11.00 am with Tamil Thai Valthu. Dr. C. RAVINDER SINGH, Head, Department of Botany initiated the session and welcomed the gathering. Dr. T. SHANKAR, Dean of Bio Sciences discussed his views on green club and inaugurated the green club. The guest was introduced by Dr. C. RAVINDER SINGH, Head, Department of Botany. The inaugural address was given by Dr. VIJI KUMAR Director, Tamilnadu Scientific Research Organization, Pudukottai. He also served as a resource person for the programme. He gave a special lecture on "Sustainable Utilization of Medicinal Plants". The special lecture was organised to create awareness on medicinal plants and its usage in daily life.

The lecture was initiated with the introduction of herbs. The speaker started to explain the classification of herbs and the usage of herbs in daily life as medicines, Biofertilizers, food, accessories and cosmetics. To make the lecture as a lively one, he explained the herbal facial mask preparation which is harmless to the skin. He also added that these preparations can be done as commercial, so the students can learn and as well as earn and they can run their own business. He motivated the students to research on herbs.

He explained the conservation of endangered medicinal plants species through tissue culture method and how this method used as preservation method for endangered species from extinction. He also demonstrated the fields of Ayurveda, Siddha, Homeopathy, Unani, etc. Finally he explained the job opportunities for botanists in different organizations like FRLHT, BSI, MSSRF, CSIR and CIMAP. After the presentation, few students were interacted with the speaker to clarify their doubts and gave their feedbacks. The session ended at 1.00pm.

The afternoon session started at 2.00 pm. Dr. B. T. SURESH KUMAR, PRINCIPAL, VICAS initiated the session and shared few words on Green club. He motivated the students to achieve their surroundings as a green and clean one. He also gave the responsibility of making green campus of whole Vivekanandha Educational Institutions in the hands of botany students. The Signing of MoU signed with TNSRO in the presence of Dr. B. T. SURESH KUMAR, PRINCIPAL, VICAS. Dr. P. PRIYADARSINI, Assistant professor, Department of Botany delivered the vote of thanks. The session ended with National Anthem at 4.00 pm.

  
Head of the Department of Botany  
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(Autonomous), Elayampalayam  
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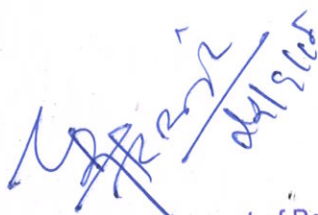
**GREEN CLUB INAUGURATION CUM SPECIAL LECTURE  
&  
SIGNING OF MoU with TNSRO**


**DEPARTMENT OF BOTANY**

**5<sup>th</sup> SEPTEMBER 2018**

**Participants Details**

S. No.	Class & Section	No. of Participants
1	I B. Sc.,	45
2	II B. Sc.,	52
3	III B. Sc., 'A'	33
4	III B. Sc., 'B'	32
5	I M. Sc.,	13
6	II M. Sc.,	20
	<b>Total</b>	<b>195</b>

  
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**GREEN CLUB INAUGURATION**



  
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**PG & RESEARCH DEPARTMENT OF BOTANY**

**In Association with IQAC & IIC**

**SIGNING OF MoU & SPECIAL LECTURE**

Date : 03.12.2021  
Time : 10.00 AM -12:30 PM  
Venue : Bioscience Seminar Hall  
Activities : Signing of MoU & Special Lecture  
Title : **Conservation and Utilization of Medicinal Plants with  
Traditional Knowledge**  
Resource person : **Dr. S. VIJIKUMAR,**  
Director,  
Tamilnadu Scientific Research Organization (TNSRO),  
Pudukottai.

No. of Participants: 155

  
06/12/21

**HOD**

**Dr. M. KANNAN, M.Sc., B.Ed., Ph.D.**


HEAD  
PG and Research Department of Botany,  
Vivekanandha College of Arts and Sciences for Women  
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**TIRUCHENGODE TK, NAMAKKAL DT**  
**TAMILNADU**



## BIO DATA

Name	Dr.S.VIJKUMAR	
Father's	A.Sahadevan	
Date of Birth	03.07.1973 Age 48	
Sex	Male	
Marital Status	Married ( 2 daughters )	
Nationality	Indian	
Permanent Address	Plot No.1,K.K.Nagar,Kavinadu West Rajagopalapuram post,Pudukkottai-3	
Communication Address	Plot No.39,Koodal Nagar, Rajagopalapuram post,Pudukkottai-3	
Contact Nos.	04322-261088,9952886637,8778365515	
E.Mail.ID	tnsroindia@gmail.com	
Alternative Mail.ID	vijiscience12@gmail.com	
Company website	www.tnsroindia.org.in	
Educational Qualification	D.Sc (AM),B.Sc., (Zoo), FNVA.,	
Professional Qualification	Master in Acupuncture and Doctor of Science in Alternative System of Medicine Expert in Naturopathy Diploma in Tamil Journalism	
Award & Fellowship, if any	Elected as a Fellowship of National Virtual Academy for Rural prosperity (FNVA)-2009	
	Best research paper presentation award, Alagappa University for Low cost SpirulinaCultivation-	
	<i>Best Environmental Conservationist</i> Award by Peace Trust RRA/ MoEF, Govt. of India.(2008& 2010)	
	<i>Shironmani Award</i> was conferred for an article on "AIDS and Acupuncture", on the occasion of III International congress of Alternative Medicines-1995	
	<i>Siddha Maruthuva Mamani</i> award for medicinal plants conservation, Madurai Siddha Association, Madurai, 21.8.1994.	
Languages Known	English and Tamil	
Research Interests field	Holistic Health, Sustainable Agriculture Medicinal Plants, Climate change Environmental Conservation, Natural Medicines , Astrophysics etc.	
Professional Positions	Managing Director, Proxwin Creators Project Consultants-(Consulting, Training, Designing and Publishing) Estd.2012	
	Editor in Chief, Indian Journal of Natural Sciences. – Since 2010	
	President, Bose Science Society, Pudukkottai,, India.- Since 1999	
	Director, TamilNadu Scientific Research Organisation,Pudukkottai - Since 1997	

## **SIGNING OF MoU with TNSRO & SPECIAL LECTURE On**

### **“CONSERVATION AND UTILIZATION OF MEDICINAL PLANTS WITH TRADITIONAL KNOWLEDGE”**

The PG and Research Department of Botany has organized a special lecture and signing of Memorandum of Understanding (MoU) on 03.12.2021 (Friday) between 10.00 am to 12.30 pm in Bioscience Seminar Hall.

Morning session has been started at 10.00 am with Tamil Thai Valthu. **Dr. M. Kannan**, Head, PG & Research Department of Botany had initiated the session and welcomed the gathering. The guest was introduced by **Dr. P. Priyadharsini**, Head (I/c), PG & Research Department of Botany. The inaugural address was given by **Dr. S. VIJIKUMAR**, Director, Tamil Nadu Scientific Research Organization (TNSRO) Pudukottai. He also has been served as a resource person for this programme. He gave a special lecture on **“Conservation and Utilization of Medicinal Plants with Traditional Knowledge”**.

While his presentation he mentioned about needs of herbals plants in the present scenario and its importance. Resource person had clearly given ideas about various fields such as Natural sciences, Traditional knowledge, and Classification of herbs. During his lecture he started about the therapeutical and pharmaceutical uses of various potential medicinal plants.

He has mentioned about application of various herbal plant species in dyeing industry and preparation of various dyes or pigments (Anthocyanins). He briefly explained about the various fields of botany include Plant physiology, Phytomedicine, Ethnobotany, Phytochemistry, Electrophysiology, Gene Transfer Technology and Biomimicry.

**VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN  
(AUTONOMOUS)**

**SIGNING OF MoU with TNSRO**

**PG & RESEARCH DEPARTMENT OF BOTANY**

**3<sup>rd</sup> DECEMBER 2021**

**Participants Details**

<b>S. No.</b>	<b>Class &amp; Section</b>	<b>No. of Participants</b>
1	I B. Sc.,	17
2	II B. Sc.,	42
3	III B. Sc., 'A'	27
4	III B. Sc., 'B'	25
5	I M. Sc.,	18
6	IIM. Sc.,	26
	<b>Total</b>	<b>155</b>

  
06/12/21

**Dr. M. KANNAN**, M.Sc., B.Ed., Ph.D.  
HEAD

PG and Research Department of Botany,  
Vivekanandha College of Arts and Sciences for Women  
(Autonomous)

Elayampalayam 637 295, Tiruchengode.



**Participants**



**Signing of MoU**

Latitude 11.361903362538577 N, Longitude 77.94561591019901, E

# ISOLATION AND IDENTIFICATION OF EFFECTIVE LIPASE PRODUCING BACTERIA FROM IDLY BATTER

*Dissertation submitted in partial fulfillment of the requirements for the*

*Degree of*

MASTER OF SCIENCE IN BIOCHEMISTRY

*To Periyar University, Salem-636 011*

*Submitted by*

**S.MALATHI**

**REGISTER NUMBER: 17PBCV008**

*Under the Guidance of*

**Mrs.K.KAVITHA, M.Sc., M.Phil., B.Ed.,**




**DEPARTMENT OF BIOCHEMISTRY**

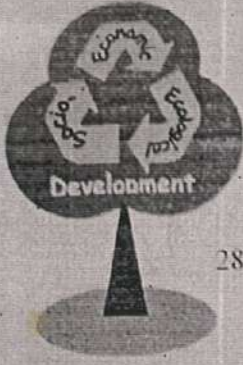
**VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN  
(AUTONOMOUS)**

**(Affiliated to Periyar University, Approved by AICTE, Recognized Under Section 2(f) and  
12(B) of the UGC Act, 1956 and Reaccredited with 'A' grade by NAAC)**

**An ISO 9001:2008 Certified Institution. Elayampalayam, Tiruchengode - 637 205**

**MAY - 2020**

  
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**SCIENCES FOR WOMEN (Autonomous)**  
**ELAYAMPALAYAM - 637 205**  
**TIRUCHENGODE TK, NAMAKKAL DT**  
**TAMIL NADU**



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**Trust of Socio Economic and Ecological Development**

281/3A, Karung Kattu Palaniswamy Street, A S Pettai, Namakkal 637 001, Tamil Nadu, India.

Mobile: 6383340662

Website: www.toseed.org

G. Devashree  
Project Manager

Date: 28.12.2018

To

Malathi. S, Reg. No: 17PBCV008

II M.Sc., Biochemistry,

Vivekanandha College of Arts and Sciences for Women(A)

Elayampalayam, Tiruchengode,

Namakkal-637205.

Warm Greetings!

This is with reference to your letter. I am glad to permit you to work in our lab on "ISOLATION AND IDENTIFICATION OF EFFECTIVE LIPASE PRODUCING BACTERIA FROM IDLY BATTER" from 02.01.2019 to 30.04.2019 for period of four months.

Warm Regards.

  
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TAMIL NADU



*G. Nagesh*

# **Isolation and identification of effective xylanase producing yeasts from idly batter**

*Dissertation submitted in partial fulfillment of the requirements for the*

*Degree of*

**MASTER OF SCIENCE IN BIOCHEMISTRY**

*To Periyar University, Salem-636 011*

*Submitted by*

**J.SANGEETHA**

**REGISTER NUMBER: 17PBCV011**

*Under the Guidance of*

**Dr.R.KOWSALYA, M.Sc., M.Phil., Ph.D.,**

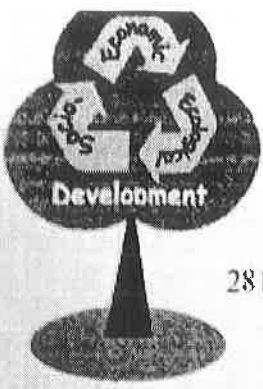


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MAY - 2019**

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TIRUCHENGODE (Tk.) NAMAKKAL (Dist.)  
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G. Devashree  
Project Manager

Date: 28.12.2018

To

Sangeetha. J, Reg. No: 17PBCV011

II M.Sc., Biochemistry,

Vivekanandha College of Arts and Sciences for Women(A)

Elayampalayam, Tiruchengode,

Namakkal-637205.

Warm Greetings!

This is with reference to your letter. I am glad to permit you to work in our lab on  
"ISOLATION AND IDENTIFICATION OF EFFECTIVE XYLANASE PRODUCING  
YEAST FROM IDLY BATTER" from 02.01.2019 to 30.04.2019 for period of four  
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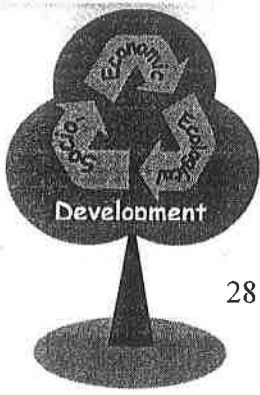
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Warm Regards.







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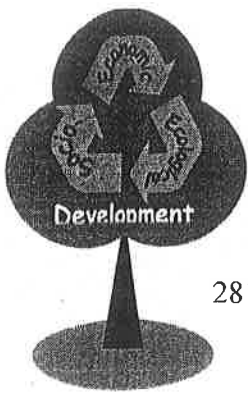
This is to certify that Ms. S. Aarthi, II B. Sc., Biochemistry, Vivekanandha College of Arts and Sciences for Women(A), Elayampalayam, Tiruchengode, Namakkal-637205, has successfully completed the lab training at TO SEED, Namakkal for the period of 7 days from 20.12.2021 to 26.12.2021. During the time of her tenure we found her to be extremely good.

With Best Wishes.

Project Manager



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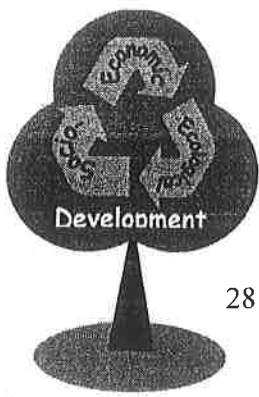
This is to certify that Ms. G. Shalini, II B. Sc., Biochemistry, Vivekanandha College of Arts and Sciences for Women(A), Elayampalayam, Tiruchengode, Namakkal-637205, has successfully completed the lab training at TO SEED, Namakkal for the period of 12 days from 20.12.2021 to 31.12.2021. During the time of her tenure we found her to be extremely good.

With Best Wishes.

Project Manager

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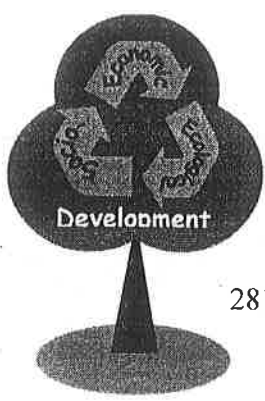
This is to certify that Ms. K. Sowmiya, II B. Sc., Biochemistry, Vivekanandha College of Arts and Sciences for Women(A), Elayampalayam, Tiruchengode, Namakkal-637205, has successfully completed the lab training at TO SEED, Namakkal for the period of 7 days from 20.12.2021 to 26.12.2021. During the time of her tenure we found her to be extremely good.

With Best Wishes.

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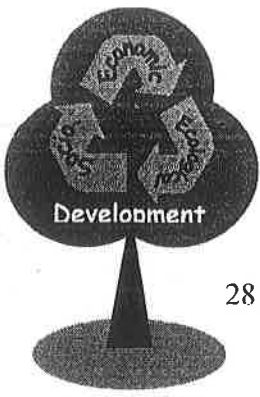
This is to certify that Ms. G. Preeta Ancy, II B. Sc., Biochemistry, Vivekanandha College of Arts and Sciences for Women(A), Elayampalayam, Tiruchengode, Namakkal-637205, has successfully completed the lab training at TO SEED, Namakkal for the period of 7 days from 20.12.2021 to 26.12.2021. During the time of her tenure we found her to be extremely good.

With Best Wishes.

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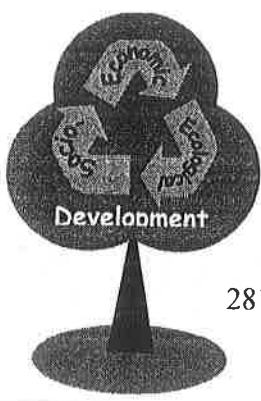
This is to certify that Ms. S. Thanushree, II B. Sc., Biochemistry, Vivekanandha College of Arts and Sciences for Women(A), Elayampalayam, Tiruchengode, Namakkal-637205, has successfully completed the lab training at TO SEED, Namakkal for the period of 7 days from 20.12.2021 to 26.12.2021. During the time of her tenure we found her to be extremely good.

With Best Wishes.

Project Manager



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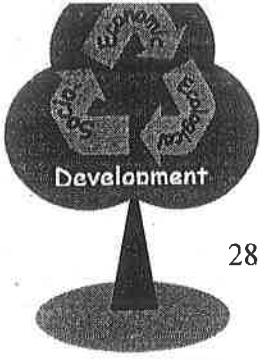
This is to certify that Ms. S. Srimathi, II B. Sc., Biochemistry, Vivekanandha College of Arts and Sciences for Women(A), Elayampalayam, Tiruchengode, Namakkal-637205, has successfully completed the lab training at TO SEED, Namakkal for the period of 7 days from 20.12.2021 to 26.12.2021. During the time of her tenure we found her to be extremely good.

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