



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY 2019 - 2020**



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **National Workshop on Awareness on Intellectual Property Rights**

**26.07.2019**

**No. of Participants: 778**

## Program

09.00 A.M : Registration  
 09.30 A.M : Inauguration  
 Welcome Address : **Dr. Vasantha Esther Rani,**  
 Dean of Research(Shift-I), Fatima College.  
 Inaugural Address : **Dr. Sr.G. Celine Sahaya Mary,**  
 Principal, Fatima College, Madurai.  
 Vote of Thanks : **Dr. S.L. Kumari,**  
 Dean of Research (Shift-II), Fatima College.

10.30 A.M : **Keynote Address:**  
**"Patent Filing Procedure of Indian & International Application"**  
**Shri Oggu Prasad Rao,**  
 Deputy Controller of Patent and Designs,  
 Govt. of India, Chennai.

11.30 A.M : Tea Break  
 12.00 Noon : **Technical Session:**  
**"Intellectual Property Rights"**  
**Mr. Arumugam,**  
 Librarian, PSG College of Technology,  
 Peelamedu, Coimbatore

01.30 P.M : Lunch  
 02.30 P.M : **Interactive Session:**  
**"Research Indicators and Predatory Journals"**  
**Mr. Arumugam,**  
 Librarian, PSG College of Technology, Peelamedu, Coimbatore

03.30 P.M : Valediction

Welcome Address : **Ms. S. Selvarani,**  
 Asst Dean of Research (Shift-II), Fatima College.  
 Valedictory Address : **Dr. Sr. M. Francisca Flora,**  
 Secretary, Fatima College, Madurai.  
 Vote of Thanks : **Dr. S. Sugumari,**  
 Asst Dean of Research (Shift-I), Fatima College.





## Fatima College

(Autonomous)  
 College with Potential for Excellence  
 Re-accredited with 'A' Grade by NAAC (III Cycle)  
 94th Rank in India Ranking 2019 (NIRF) by MHRD  
 Mary Land, Madurai - 18, Tamil Nadu.

## One Day WORKSHOP

on

## AWARENESS OF INTELLECTUAL PROPERTY RIGHTS


July 26, 2019  
 Venue : Jubilee Hall

### About College

Fatima College, Mary Land, Madurai, is a Post Graduate & Research Institution for Women affiliated to Madurai Kamaraj University. It is a Catholic minority institution established and run by St. Joseph's Society of Madurai (of the Congregation of the Sisters of St. Joseph of Lyons, France). This institution came into existence through the tireless efforts of the heroic sacrifice of Rev. Sr. Rose Benedict, the founder of the College. The College was started in St. Joseph's Campus Madurai as a Second Grade College with 63 students in 1953. It became a Post Graduate College in 1964, Autonomous in 1990 and Research Centre in 2004. The College now offers 20 Under Graduate Courses, 5 M.Phil Programmes and 6 Departments have become Research Centres. It has Strength of 4570 Students, 204 Teaching Staff and 95 Non-Teaching Staff.

### About Research Committee

The Students Research Forum (SRF) is a platform for building researchers to showcase their innovative work-in-progress. The Research Advisory Committee (RAC) and the Intellectual Property Rights (IPR) Cell arranges interfaces with scientists & academicians. The Students are encouraged to take up topical, viable interdisciplinary research projects. The IPR cell and RAC collaborate in organizing seminars. The aim is not only to develop research aptitude but also to sharpen the thinking skills for better citizens.

### About workshop

Intellectual Property Rights (IPR) deals with the protection of creations of mind, which have both moral & commercial value. IP law typically grants the author of an intellectual creation, exclusive rights for exploiting and benefitting from their creation. IPR is intended to stimulate the creativity of human minds. It encourages creative activity allowing investors / inventors in research & development, a considerable return on their innovations. IPR encourages publication, distribution and disclosure of their creation to the public, rather than keeping it secret. At the same time it encourages commercial enterprises to select creative works for exploitation. The various types of IP to protect our idea are Trade Secrets - protect secret information, Trademarks - protects brand, Copyrights - protects works of authorship, Patents - protects functional or ornamental features.

### Objective

- \* Create awareness on the knowhow of applying for patent which is the need of the hour.
- \* Create awareness on the various aspects involved in applying for Patents, Copyrights, Trade Secrets, Trade Marks.
- \* Create awareness on the products which are fabricated, formulated and standardized, that could be considered for patenting.
- \* Create awareness towards innovative research that paves way for applying for patents.

### Organizing Committee (IPR Cell & RAC)

**Dr. Vasantha Esther Rani, Dean of Research (Shift - I)**  
**Dr. Sugumari, Asst. Dean of Research (Shift - I)**  
**Dr. S. L. Kumari, Dean of Research (Shift - II)**  
**Mrs. S. Selvarani, Asst. Dean of Research (Shift - II)**  
**Dr. M. Ragam, IPR Cell**  
**Dr. J. Asnet Mary, IPR Cell**  
**Mrs. C. Sujatha, Librarian, Fatima College, Madurai**



**Contact:** **Dr. Vasantha Esther Rani - 93447 75252**  
**Ms. S. Selva Rani - 8754765449**

**Registration Link:** <https://forms.gle/Snb899p2jptQFJWw7>

## IPR Workshop

### Agenda

9.00 a.m : Inauguration

Prayer

Lighting the Lamp

Welcome Address : Dr.Vasantha Esther Rani

Honouring the Guest

Presidential Address: Dr. Sr. G. Celine Sahaya Mary, Principal, Fatima College, Madurai

Felicitation: Dr. Sr. M. Francisca Flora, Secretary, Fatima College, Madurai

Keynote / Thematic Address: Shri Oggu Prasad Rao,

Deputy Controller of Patent and Designs, Govt. of India

Chennai

Vote of Thanks: Dr. S.Tamilselvi

10.00 a.m : Tea Break

10.30 a.m : Technical Session – I

Mr.J.Arumugam,

Librarian,PSG College of Technology,

Peelamedu,Coimbatore .

11.30 a.m Technical Session – II

Shri Oggu Prasad Rao,

Deputy Controller of Patent and Designs, Govt. of India,

Chennai

12.30 a.m : Lunch



1.30 p.m : Technical Session III

Ms.Malarvizhi

2.30 p.m: Interactive Session/Hands on experience

3.30pm: Valediction

Welcome: Dr.Ragam

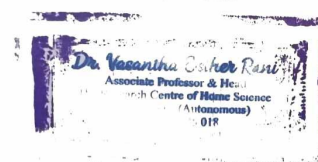
Valedictory address: Mr.Arumugam

Librarian,PSG College of Technology,

Coimbatore .



*Vasantha Esther Rani*  
Signature of the HOD





**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

## **UI AND UX ON DESIGNING**

**05.08.2019**

<b>S. NO.</b>	<b>PARTICULARS</b>	<b>NO. OF PARTICIPANTS</b>
<b>1</b>	<b>II PG COMPUTER SCIENCE</b>	<b>15</b>
<b>2</b>	<b>III UG COMPUTER SCIENCE</b>	<b>47</b>
<b>3</b>	<b>I UG COMPUTER SCIENCE</b>	<b>43</b>
<b>4</b>	<b>I PG COMPUTER SCIENCE</b>	<b>24</b>
	<b>TOTAL</b>	<b>129</b>



FATIMA COLLEGE (AUTONOMOUS), MARY LAND, MADURAI -18

2019-2020

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 18

DEPARTMENT OF COMPUTER SCIENCE

*Computer Science Association*

Staff and Students of the Department of Computer Science

Cordially invite you  
for a Guest Lecture on

**“UI, UX” on Designing**

by

*Ms. Anitha,  
Placement Co-Ordinator,  
Dream Zone (School of Creative Studies), Madurai.*

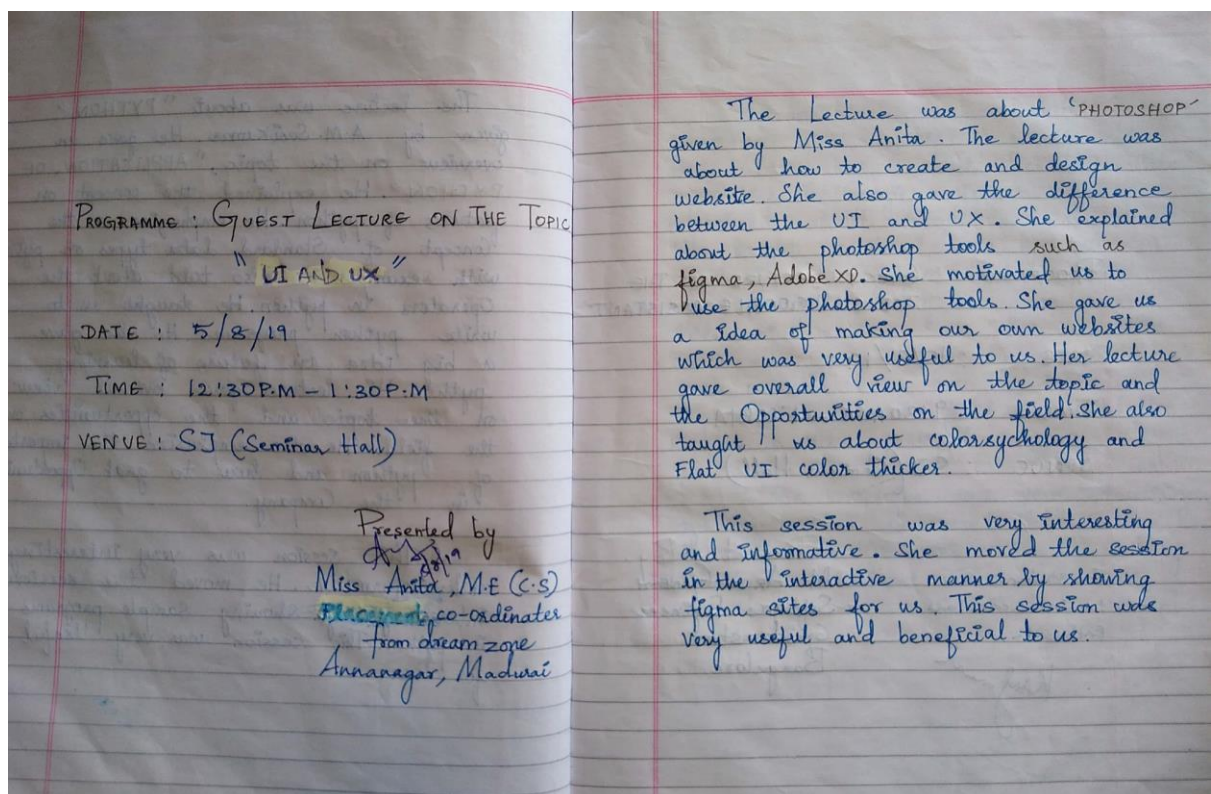
Date : 05/08/19

Time : 9.30 a.m. – 11.30 p.m.

Venue : San Jose Seminar Hall



Speaker: Mw. Anitha, Placement Co-ordinator, Dream Zone, Madurai  
Topic : UI AND UX



*Geminellany*  
Signature

Head, Department of Computer Science  
Fatima College (Autonomous)  
Madurai -625018



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Short Film**

**07.08.2019**

**No. of Participants: 18**





**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**The Research Centre of English**

**SHORT-FILM RELEASE-2018-19- REPORT**

The I M.A. English (2018-20) students of the Research Centre of English have produced two short films for the academic year 2018-19 as a part of the Journalism and Mass Communication -Practical Course. The short films produced by them are Kuyili and Ariya Sei- (Beware). The students involved themselves in the making of the short films by taking up various roles as director, assistant director, script writer and so on.

The short-films deal with the current social issues. The movie Kuyili brings to the fore the opportunities that lay open for women candidates to joining in the army. It hails the martyred Jawans exhorting all potential men and women to join the Indian army. It revolves around the story of a happy girl pursuing MBBS and whose father and brother are army officials. The peaceful life of the girl takes an unexpected turn when she loses her brother in the Pulwama attack. She then decides to join the army as an army doctor to serve the nation.

The movie Ariya Sei deals with the continuous use of social media and the lurking dangers of the social media. The story begins with a cop narrating the repercussions of evil uses of social media with his daughter. The film ends with a positive note that youngsters can use the same social media for saving lives and use productively.

The films were released on 7<sup>th</sup> August, 2019. The films were released by Mr. Abishek Moses, Assistant Professor, Department of Journalism and Mass Communication, The American College, Madurai in the presence of Dr. Sr. G. Celine Sahaya Mary, the Principal, Fatima College and Dr. A. Roselin Mary, Associate Professor and Head, The Research Centre of English. The students also shared their experiences in the making of the films and both the films were appreciated.

**Photo Gallery:**



The Short Films “Kuyili” & “Ariya Sei” were released by the Principal, Dr.G.Celine Sahaya Mary and received by Dr.A.Roselin Mary, Head & Associate Professor of English



Dr.S.J.Kala, Associate Professor of English presenting a memento to Dr. A.Roselin Mary, Head & Associate Professor of English.



Students in rapt attention enjoying the screening of the short films at Jubilee Hall



Dr.G.Celine Sahaya Mary lauding the efforts of the students

*Roselin Mary*

*Dr. A.Roselin Mary,  
Associate Professor & Head,  
Research Centre of English,  
Fatima College,  
Madurai - 625 018.*



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

## **MOBI TRENDS**

**07.08.2019**

<b>S. NO.</b>	<b>PARTICULARS</b>	<b>NO. OF PARTICIPANTS</b>
<b>1</b>	<b>I MCA</b>	<b>2</b>
<b>2</b>	<b>II MCA</b>	<b>30</b>
<b>3</b>	<b>III MCA</b>	<b>27</b>
	<b>TOTAL</b>	<b>59</b>



**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**MOBI TRENDS**

Name : J. Lijo Prabhu	Date : 07.08.2019
Designation : Team Lead, Infosys, Trivandrum.	Time : 2.00 p.m - 4.00 p.m
Phone No. : 9444638792	Venue : SJ Seminar Hall

**KEY POINTS HIGHLIGHTED:**

- ✓ The State of the Mobile Computing Industry and Current Job Opportunities.
- ✓ Mobile Computing Career meeting Real World Need.
- ✓ Fundamental issues involved with mobile data access.
- ✓ How Mobile Technologies Drive a Trillion-Dollar Impact

The session focused on how the Mobi Trends enhances user perception of the digital world and how to merge that digital world with physical world. He discussed about various security issues involved in mobile. He discussed about Telecommuting to work from home by accessing all the resources in the office. He discussed about various mobile technologies like 3G, GPS, LTE, WiMAX. He focused on the Mobile technology features of achieving Continuous Development, Continuous Integration, Continuous Testing, Continuous Deployment, Continuous Monitoring to deliver a quality software to the customer at a very fast pace.

**OUTCOME:**

- ✓ Students learned about Mobile -Connected Smart objects, M-Commerce.
- ✓ Students also came to know about designing innovative Mobile User interface.



**MOBI TRENDS, 07 AUG 2019, J. LIJO PRABHU, TEAM  
LEAD, INFOSYS, TRIVANDRUM.**

A handwritten signature in black ink, appearing to read 'S. Mayhem'.

***Head, Department of  
Computer Applications,  
Fatima College, Madurai-18***





**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

## **Block Chain Technology**

**22.08.2019**

**No. of Participants: 125**



**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

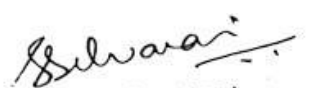
**GUEST LECTURE: AWARENESS IN TECHNOLOGY - BLOCK CHAIN  
TECHNOLOGY**

**DATE: 22.08.2019**

**RESOURCE PERSON:** Ms. Archan Rajesh, Director, First Source Training, Bangalore

**PARTICIPANTS: 125**

Guest lecture was delivered by Ms. Archan Rajesh, Director, First Source Training, Bangalore for I,II and III BCA students to create an awareness about current trends and technologies in block chain. Starting from basics of block chain the needs, benefits advantages and usage of block chain was detailed. Real time applications of block chain with examples were discussed and the doubts raised from students was also clarified.

  
Head of the Department  
Department of Computer Applications  
Fatima College (Autonomous)  
Madurai-625 018,



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Big Data  
27.08.2019**

**No. of Participants: 132**

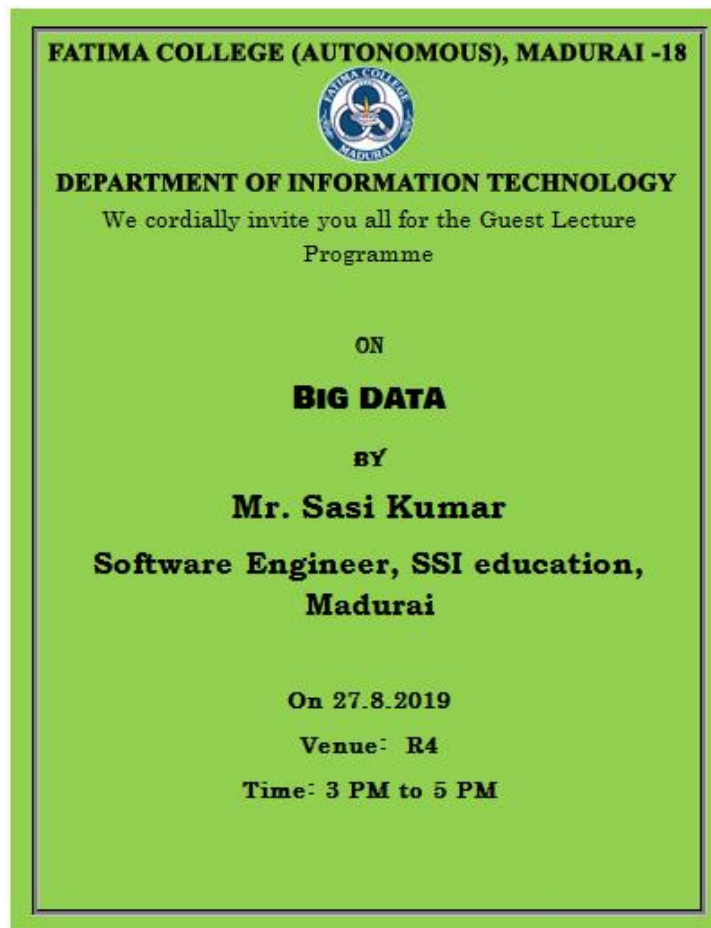


**FATIMA COLLEGE (Autonomous), MADURAI-18.**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**Guest Lecture Programme**

To give awareness about recent trends in Information Technology, the department of Information Technology organized a Guest lecture on 27<sup>th</sup> August 2019. Mr. Sasi Kumar, Software Engineer, SSI Education, Madurai addressed the gathering. He pointed out the recent advancements in Big Data and Job opportunities available in the industry.

**Outcome:** Students got awareness about the recent trends in Big data.

**INVITATION**



## **PHOTO**



**Session on Big Data by Mr.Sasi Kumar**



**Signature of HOD**

**Head of the Department**  
**Department of Information Technology,**  
**Fatima College (Autonomous), Madurai.**





**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Basics of Audio Recording  
12.09.2019**

**No. of Participants: 18**



**Fatima College (Autonomous)**  
Mary Land, Madurai -18

**Department of Journalism and Mass Communication**

- The II JMC students participated in a **Workshop on Basics of Audio Recording** conducted by Sathangai Academy, Madurai on Sept. 12, 2019





**Students getting trained to record their voice in the recording studio**

S. Ramabharani  
**Head**  
Department of Journalism  
& Mass Communication  
Fatima College (Autonomous)  
Madurai - 625 018.



**Criterion** : V – Student Support and Progression  
**Metric** : 5.1.3 – Capacity Enhancement & Skill Development  
**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Disruptive Innovations**  
**23.09.2019**

**No. of Participants: 31**



**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**PG DEPARTMENT OF COMPUTER APPLICATION**

**DISRUPTIVE INNOVATIONS**

NAME	: Dr. P. Kayal,	Date	: 23. 09.2019
DESIGNATION	: Faculty of Computer Science, St. Mary's College, Hyderabad.	Time	: 10.00 – 12.00 noon
PHONE NO	: 8341391215	Venue	: SJ Seminar Hall

**KEY POINTS HIGHLIGHTED:**

- ✓ What is disruptive innovation?
- ✓ Various Disruptive Technologies
- ✓ Potential Opportunities and threats.
- ✓ Applications of Disruptive Technologies.

The session focused on the history and usage of disruptive technologies. She

explained that disruptive innovation is an innovation that creates a new market and value network and eventually disrupts an existing market and value network, displacing established market-leading firms, products, and alliances. She also focused on the process of technology, major opportunities in various fields, possible threats like Drug resistant infections & traffic congestion. Information technology (IT) solutions focus on collecting, processing, and reporting different types of data. Very large data storages, known as big data, contain an increasing mass of different types of homogenous and non-homogenous information, as well as extensive time-series. The final goal should be the creation of scalable environmental solutions based on disruptive innovations and accurate data.

**OUTCOME :**



- ✓ Students came to know about disruptive technologies & its applications.



**DISRUPTIVE INNOVATIONS, 23 SEP 2019, DR. P.KAYAL,  
ASST. PROF., DEPT. OF COMPUTER SCIENCE, ST. MARY'S  
COLLEGE, HYDERABAD.**

*B. Chandra*  
(B.CHANDIRIKA)

***Head, Department of  
Computer Applications,  
Fatima College, Madurai-18***



**Criterion** : V – Student Support and Progression  
**Metric** : 5.1.3 – Capacity Enhancement & Skill Development  
**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Artificial Intelligence and  
Machine Learning  
26.09.2019**

**No. of Participants: 312**

## **INVITATION**



# **Fatima College** (Autonomous)

College with Potential for Excellence  
Re-accredited with 'A' Grade by NAAC (III Cycle)  
94th Rank in India Ranking 2019 (NIRF) by MHRD  
Mary Land, Madurai - 18. Tamil Nadu.

## ***One Day National Seminar*** ***on***

## **ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

Organized by the Departments of

**IT & BCA**

***September 26, 2019***

***Technical Sessions***  
***by***

**Ms. Umarani Lakshmanan,  
GRC Technical Consultant,  
Metric Stream, Bangalore**

**Mr. Gautam Jeyaprakash,  
Director & Operations Head,  
V7 Lancers Technopark Pvt Ltd,  
Madurai**

***Time: 9.00 A.M***

***Venue: Jubilee Hall***



**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

26.09.2019

To give awareness about recent trends in Information Technology, the department of Information Technology organized a National Seminar on 26<sup>th</sup> September 2019. Mr. Gautam Jeyaprakash, Director & Operations Head, V7 Lancers Technopark Pvt Ltd , Madurai addressed the gathering. He talked about Recent Advancements in Artificial Intelligence and Machine Learning and job opportunities in Artificial Intelligence area and Machine Learning Area.

Ms. Umarani Lakshmanan, GRC Technical Consultant, Metric Stream, Bangalore addressed the gathering. She talked about Recent Advancements in Artificial Intelligence and job opportunities in Artificial Intelligence area.

**Outcome:** Students got an idea about the recent advancements in the Artificial Intelligence and Machine Learning Field.

## **PHOTO**



**Session on Artificial Intelligence by Mr.Gowtham and our Students listening**





**Session on Artificial Intelligence by Mrs.Umarani Lakshmanan, Bangalore**

A handwritten signature in black ink, appearing to read "madhu".

**Signature of the HOD**  
**Head of the Department**  
**Department of Information Technology,**  
**Fatima College (Autonomous), Madurai.**



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Cyber Awareness Programme  
04.10.2019**

**No. of Participants: 6**



**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**CAP – CYBER AWARENESS PROGRAMME**

**CYBER SECURITY CELL – 2019-20**

**FATIMA COLLEGE, MADURAI**

Cyber Security Cell, Fatima College organizes various programmes to create awareness on the usage of smart gadgets and presenting the potential threats on using them. Cyber security is the practice of not only protecting the systems, networks and programs from unauthorized access also it provides adequate knowledge to the users to face critical situation and to overcome it. Awareness on Cyber Security should be complete only when it is inclusive of all the stake holders. So the Cyber Security Cell plans to organize a Special program CAP – Cyber Awareness Programme aiming to reach the school children who are easily vulnerable to such attacks.

**DATE:** Oct. 04, 2019

**TITLE** : Cyber Awareness Programme for Fatima College Students

**ORGANIZED BY** : Cyber Security Cell, Fatima College

**RESOURCE PERSON** : Dr.A.Vimala,  
Associate Professor,  
Department of Computer Science,  
Fatima College





FATIMA COLLEGE (AUTONOMOUS), MADURAI-18

## Cyber Security Cell

### CAP – Cyber Awareness Program - 04.10.2019

#### Staff Member:

Dr.A.Vimala,  
Associate Professor,  
Department of Computer Science,  
Fatima College.

#### List of Students :

1. ArockiaLeemaPrincyka A – 2017B06
2. Jenifer Susmitha G – 2017B18
3. Kavitha M – 2017B24
4. Mary Maurya Sosai A – 2017B27
5. Sindhumathi P – 2017B40
6. SushmithaT – 2017B44

*Arimala*  
*Co-ordinator*  
*Cyber Security cell.*



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

## **COMPUTER ARCHITECTURE**

**09.10.2019**

<b>S. NO.</b>	<b>PARTICULARS</b>	<b>NO. OF PARTICIPANTS</b>
<b>1</b>	<b>I MCA</b>	<b>2</b>
<b>2</b>	<b>II MCA</b>	<b>29</b>
<b>3</b>	<b>III MCA</b>	<b>25</b>
	<b>TOTAL</b>	<b>56</b>



**FATIMA COLLEGE (AUTONOMOUS), MADURAI**  
**PG DEPARTMENT OF COMPUTER APPLICATIONS**

**COMPUTER ARCHITECTURE**

NAME	: S. SivaRohini,	DATE	: 09.10.2019
DESIGNATION	: Technical Trainer, Ayan Academy, Madurai.	TIME	: 2.00 – 4.00 p.m.
PHONE NO	: 9566672419	VENUE	: Seminar Hall

**KEY POINTS HIGHLIGHTED:**

- ✓ What is the importance of computer architecture?
- ✓ What is characteristic for the organization of a computer architecture?
- ✓ What are the components & types of computer architecture?
- ✓ What type of architecture do most computers use today?

The session focused on the basic architecture of a computer, The different components in the Computer System Architecture, different kinds of computer architectures such as CISC, RISC, MISC, TTA, and DSP architectures. Most desktop or laptop computers use CISC (complex instruction set computing) architecture made by Intel or AMD. Smartphones and tablets use RISC (reduced instruction set computing) ARM architecture. She briefly explained about four layers of computer architecture, reason for RISC better than CISC and differences between RISC and CISC.

**OUTCOME :**

- ✓ Students learned about fundamental organization of a computer system.
- ✓ Students came to know about functional units of a processor.





**COMPUTER ARCHITECTURE,09 OCT 2019, S. SIVA ROHINI,  
TUTOR, AYAN ACADEMY, MADURAI.**

***Head, Department of  
Computer Applications,  
Fatima College,  
Madurai-18***



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020

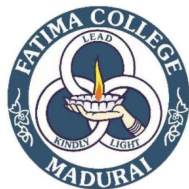


# **AWARENESS OF TRENDS IN TECHNOLOGY**

## **Aggregation in IOT for Prediction of Diabetics with Machine Learning Techniques**

**09.12.2019**

<b>S. NO.</b>	<b>PARTICULARS</b>	<b>NO. OF PARTICIPANTS</b>
<b>1</b>	<b>III UG COMPUTER SCIENCE</b>	<b>47</b>
<b>2</b>	<b>I PG COMPUTER SCIENCE</b>	<b>24</b>
<b>3</b>	<b>II UG COMPUTER SCIENCE</b>	<b>41</b>
	<b>TOTAL</b>	<b>112</b>



FATIMA COLLEGE (AUTONOMOUS), MARY LAND, MADURAI -18

DEPARTMENT DOCUMENTATION

2019-2020

**FATIMA COLLEGE (AUTONOMOUS), MADURAI – 18**

**DEPARTMENT OF COMPUTER SCIENCE**

*Computer Science Association*

Staff and Students of the Department of Computer Science

Cordially invite you  
for a Guest Lecture on

**Aggregation in IoT for prediction of Diabetics  
with Machine learning techniques**

by

*Dr. P. Punitha Ponmalar*  
*Associate Professor, Dept. of Computer Science,*  
*Sri Meenakshi Govt Arts College for Women*  
*Madurai.*

*&*

*Dr. C.R. Vijayalakshmi*  
*Assistant Professor, Dept. of B.Com.CA,*  
*Govt. Arts and Science College*  
*Aundipatti, Theni*

Date : 09/12/19

Time : 11.00 a.m. – 12.30 p.m.

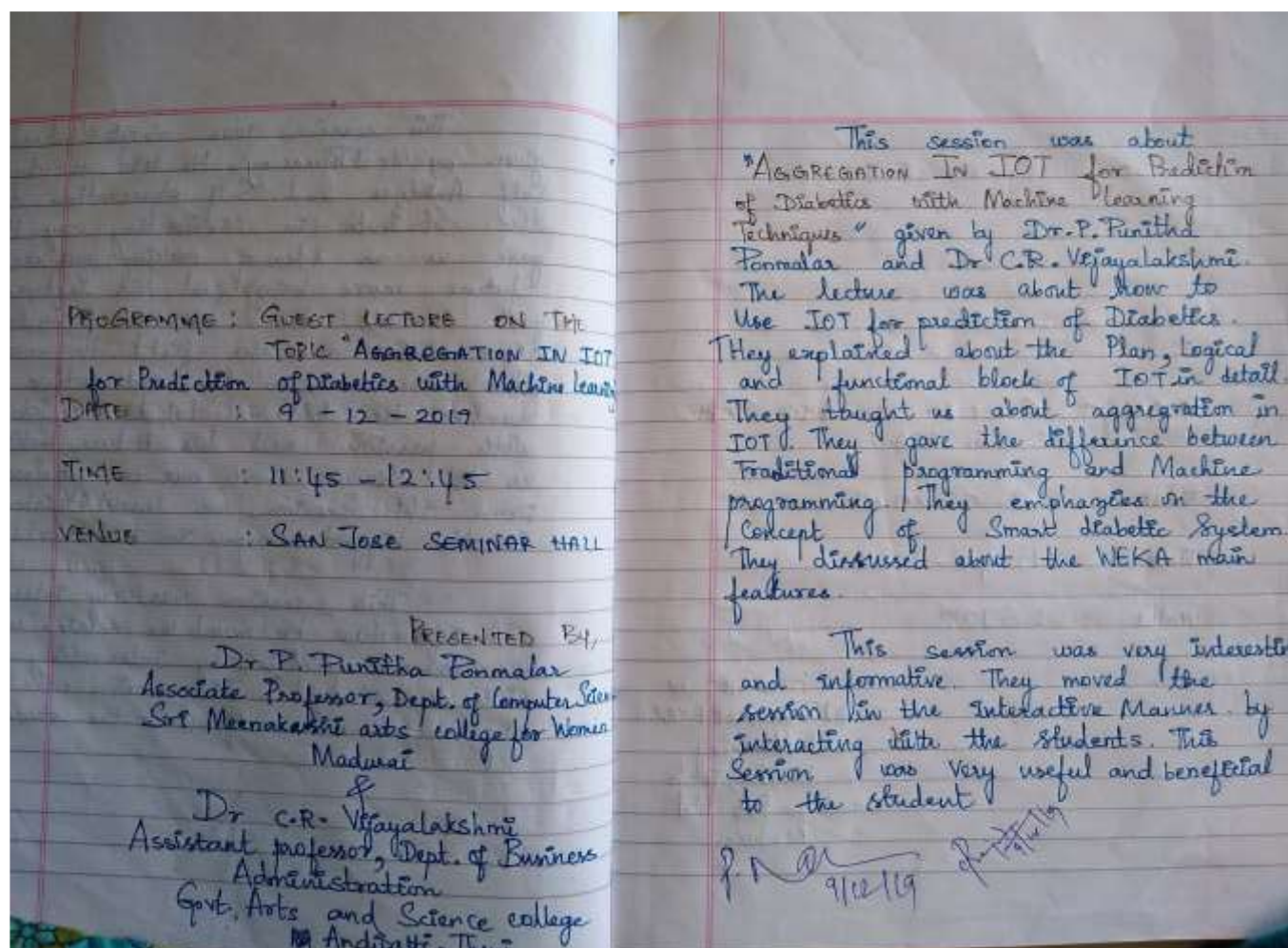
Venue : San Jose Seminar Hall



Aggregation in IOT for Prediction of Diabetics with Machine Learning Techniques

Dr.P.Punitha Ponmalar, Associate Professor, SMGC, Madurai

Dr.C.R.Vijayalakshmi, Assistant Professor, Govt. Arts & Science College, Theni



*Penninellay*  
Signature

Head, Department of Computer Science  
Fatima College (Autonomous)  
Madurai -625018





**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# AWARENESS OF TRENDS IN TECHNOLOGY

## MICROSOFT CERTIFICATION IN JAVA

### 11.12.2019

S. NO.	PARTICULARS	NO. OF PARTICIPANTS
1	I MCA	2
2	II MCA	28
	TOTAL	30



**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**PG DEPARTMENT OF COMPUTER APPLICATION**  
**MICROSOFT CERTIFICATION**

NAME	: S. Annmanth	DATE	: 11.12.2019
DESIGNATION	: Technical Trainer, Kalvi Institute , Madurai.	TIME	: 10.00 – 12.00 noon
PHONE NO	: 8122348599	VENUE	: Seminar Hall

**KEY POINTS HIGHLIGHTED:**

- ✓ Importance of doing Microsoft Certification.
- ✓ How the certification helps in career?

The session was on the importance of doing Microsoft Certification. He highlighted that certification provides Credibility, Recognition of achievement, Quality assurance. He also told that Certified IT professionals have validated their knowledge and skill while not being tied to a particular vendor's products. Certification credentials provide a competitive advantage in highly competitive technology markets. This advantage applies to both the certificate holder and the hiring organization. He also listed various programming languages for certification like Microsoft, oracle, Tally ERP, etc.,

**Outcome :**

- Students were able to understand the importance of doing Microsoft certification.
- How it helps them to learn the up-to-date concept provided by both offline and online mode of service.
- They learned how it adds credit in their Resume.







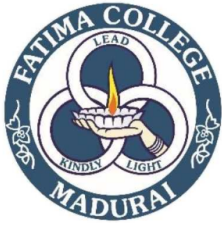
**Criterion** : V – Student Support and Progression  
**Metric** : 5.1.3 – Capacity Enhancement & Skill Development  
**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**E-Kavalan App  
19.12.2019**

**No. of Participants: 824**



**FATIMA COLLEGE (Autonomous), MADURAI-18**

**NATIONAL SERVICE SCHEME**

**Awareness on women safety**

**E-Kavalan App Demonstration**

**DATE:** 19.12.2019

**TIME:** 2.00PM- 4.00PM

**VENUE:** Fatima College, Madurai

Thiru. A. C. Chandranan, Assistant Commissioner of Police, Tallakulam and Tmt. M. Kalaivani, Inspector of Police, Sellur addressed the students on 19.12.2019 and demonstrated Kavalan SOS (save our soul) app to save themselves during emergency. They insisted the students to download in their Android based mobiles and tablets which could be used at times of distress and emergency. The SOS facility can be used to alert the police and seek assistance at times of physical assault, abduction attempts or any crime. For women, 'the SOS will help to reach the police when they face eve teasing, harassment and crime like chain snatching', they added. After downloading the app, the user will have to provide details such as name, address, mobile number, email ID and contact of an immediate relative among others. As the app access GPS location of the device, pressing of the SOS button will send the location of the user to the Tamil Nadu State Police Master Control Room. As soon as the alert is received, the control room sends the information to the police station which is close to the user of the app.

**CHIEF GUEST PROFILE:** Thiru. A. C. Chandranan, Assistant Commissioner of Police, Tallakulam and Tmt. M. Kalaivani, Inspector of Police, Sellur

**OUTCOME** The student learnt to handle difficult situations and to act wisely when they find themselves in harm's way.



**E-Kavalan App Demonstration**



**Thiru. A. C. Chandranan addressing the students**

*(Signature)*

**(Dr. M. Ragam)**

NSS Coordinator



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Cyber Crime  
28.12.2019**

**No. of Participants: 120**





**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**CYBER CRIME & WOMEN'S SAFETY**

**DATE: 28/12/2019**

**Title/Topic of the Activity: CYBER CRIME**

**Time: 10AM-12PM**

**Venue: SJ Seminar hall**

The Programme was held on 28<sup>th</sup> December, 2019 at 10AM. The Chief Guest was Mrs.N.Hema Mala M.A, M.Phil, Inspector of police department , Anti human trafficking, Madurai City. The guest speaker spoke on the importance of **CYBER CRIME & WOMEN'S SAFETY**.

- She gave more awareness about women safety.
- She narrated a story of a girl who became a culprit in a crime because of a stranger who sends unwanted messages.
- She makes awareness about certain apps and unwanted calls from a stranger.
- She gave some instruction about "OYO" app (In which we can book rooms without any ID proof).
- She inspired us by her braveness and by her way of speaking.

In this function, Dr.Arasammal, Vice Principal and Coordinator of part-5 activities, Faculty in charges of part-5 activities and all the First year students were participated and grace the function.





Mrs.N.Hema Mala M.A, M.Phil, Inspector of Police addressed the gathering about cyber crime and women's safety

**Outcome:**

Students inspired by her braveness and by her way of speaking. How they protect themselves from this internet world.

**NSS Coordinator (Shift II)**

A handwritten signature in black ink, appearing to read 'Dr. R. Ponni'.

Dr. R. Ponni



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

## **SELENIUM TOOL**

**17.02.2020**

<b>S. NO.</b>	<b>PARTICULARS</b>	<b>NO. OF PARTICIPANTS</b>
<b>1</b>	<b>I MCA</b>	<b>2</b>
<b>2</b>	<b>II MCA</b>	<b>29</b>
	<b>TOTAL</b>	<b>31</b>



**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**PG DEPARTMENT OF COMPUTER APPLICATIONS**

**SELENIUM TOOL**

NAME	: L. Senthil Lakshmi	DATE	: 17.02.2020
DESIGNATION	: Executive Director, TANDEM, Madurai.	TIME	: 2.00 – 4.00 p.m.
PHONE NO	: 9894716115	VENUE	: Seminar Hall

**KEY POINTS HIGHLIGHTED:**

- ✓ Introduction to Selenium automation testing.
- ✓ How selenium is used to generate reports.
- ✓ Advantages of Selenium testing.
- ✓ Limitations in Selenium testing.

In this session, students learned about Selenium and have a hands-on demo on the working of Selenium IDE and WebDriver. Selenium is an automated testing tool that tests web applications across various platforms and browsers. Selenium IDE, RC, WebDriver, and Grid constitute the Selenium suite. Selenium is one such open source automated testing tool for websites. Performance, execution speed, and browser interaction of Selenium is too fast than any other automation tool.

**OUTCOME :**

- ✓ Understand the scope of Test Automation in DevOps and fundamentals of Test Automation
- ✓ Create Test Cases using Selenium IDE – Record and Playback tool



**SELENIUM TOOL,17 FEB 2020, MS. L. SENTHIL LAKSHMI,  
EXECUTIVE DIRECTOR,TANDEM,MADURAI**

***Head, Department of  
Computer Applications,  
Fatima College,  
Madurai-18***



**Criterion** : V – Student Support and Progression  
**Metric** : 5.1.3 – Capacity Enhancement & Skill Development  
**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Digital Marketing**  
**21.02.2020**

**No. of Participants: 109**



**FATIMA COLLEGE (AUTONOMOUS)**  
**DEPARTMENT OF MANAGEMENT STUDIES**

***CORDIALLY INVITE YOU TO***

**"DIGITAL MARKETING"**

**DATE: FEBRUARY 21, 2020**

**TIME: 2.00 PM TO 4.00 PM**

**VENUE: SANJOSE SEMINAR HALL**

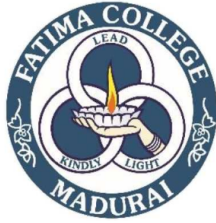
**RESOURCE PERSON**

**A.AJOY**

**REGIONAL MANAGER**

**GYANAMITE**

**MADURAI**



**Fatima College (Autonomous)**

**Mary Land, Madurai -18**

**Department of M.B.A**

**Guest Lecture on “DIGITAL MARKETING”**

**21.02.2020**

**Name** : Mr. A.Ajoy  
**Designation** : Regional Manager  
**Official Address** : Gyanamite  
**Contact Numbers** : 96555556061, 08042495900  
**E-Mail ID** : [ajay.a@gyanamite.com](mailto:ajay.a@gyanamite.com)

Department of MBA has arranged a guest lecture for MBA students on **“DIGITAL MARKETING”** delivered by the resource person Mr. A.Ajoy which was held on 21.02.2020 from 2 pm – 4 pm at Sanjose seminar hall.

**Highlights:**


Mr. A.Ajoy, gave an overview of gyanamite company and arranged a live session on digital marketing conducted by gyanamite team. It gave more knowledge about digital marketing and its importance now-a-days. Students had a feedback session at the end.

**Outcomes:**

Students have understood about the overview and career opportunities of digital marketing. This session has enriched the knowledge. Student gained ideas about digital marketing.



**Mr. A.Ajoy, Regional Manager, Gyanamite, Madurai delivering lecture to the participants**

  
Signature of the HOD  
DEPARTMENT OF MANAGEMENT STUDIES  
FATIMA COLLEGE (AUTONOMOUS)  
MADURAI-625 018



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

## **Cyber Security in Social Media – Challenges & Strategies**


**27.02.2020**

S. NO.	PARTICULARS	NO. OF PARTICIPANTS
1	III UG COMPUTER SCIENCE	47
2	I PG COMPUTER SCIENCE	24
3	II UG COMPUTER SCIENCE	41
	TOTAL	112

FATIMA COLLEGE (AUTONOMOUS), MARY LAND, MADURAI -18

DEPARTMENT DOCUMENTATION

2019-2020



**FATIMA COLLEGE (AUTONOMOUS)**  
Re-Accredited with 'A' grade by NAAC (3<sup>rd</sup> Cycle)  
94<sup>th</sup> Rank in India Ranking 2019 (NIRF) by MHRD  
Mary Land, Madurai -625 018

**Department of Computer Science  
&  
Cyber Security Cell**

Cordially invite you  
for Silver Jubilee Endowment Lecture on

**Cyber Security in Social Media -  
Challenges & Strategies**

by

**T.T. Harish**  
Cyber Security Expert,  
Chennai.

**Date: 27.02.2020**  
**Time: 11.00 a.m. - 1.00 p.m.**  
**Venue: San Jose Seminar Hall**



Programme : GUEST LECTURE ON THE TOPIC  
"CYBER SECURITY IN SOCIAL  
MEDIA-CHALLENGES AND STRATEGY"

DATE : 27-02-2020

TIME : 11:05 A.M - 1:15 P.M

VENUE : SAN JOSE Seminar Hall

PRESENTED BY

T. T. Harish CISA, CPIS  
Cyber Security Expert  
Chennai

This Session was about "cyber Security in Social Media - challenges and strategy" given by T.T. Harish. The lecture was about how to use social media in a secure way. He explained about the dangerous facts in social media to the students in an interactive manner. He taught us how to keep our phone safe and secure. He gave suggestions on using our smart phone in safe and secure way. He told us about the cyber crimes in the world in understandable way.

This session was very interesting and informative. He moved the session in the interactive manner by interacting with the students in friendly way. This session was very useful and beneficial to the students.

*[Signature]*

*[Signature]*

HEAD

Department of Computer Science  
Fatima College (Autonomous)  
Madurai - 625 018



**Criterion** : V – Student Support and Progression  
**Metric** : 5.1.3 – Capacity Enhancement & Skill Development  
**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**New Advancements in  
Python  
28.02.2020**

**No. of Participants: 132**



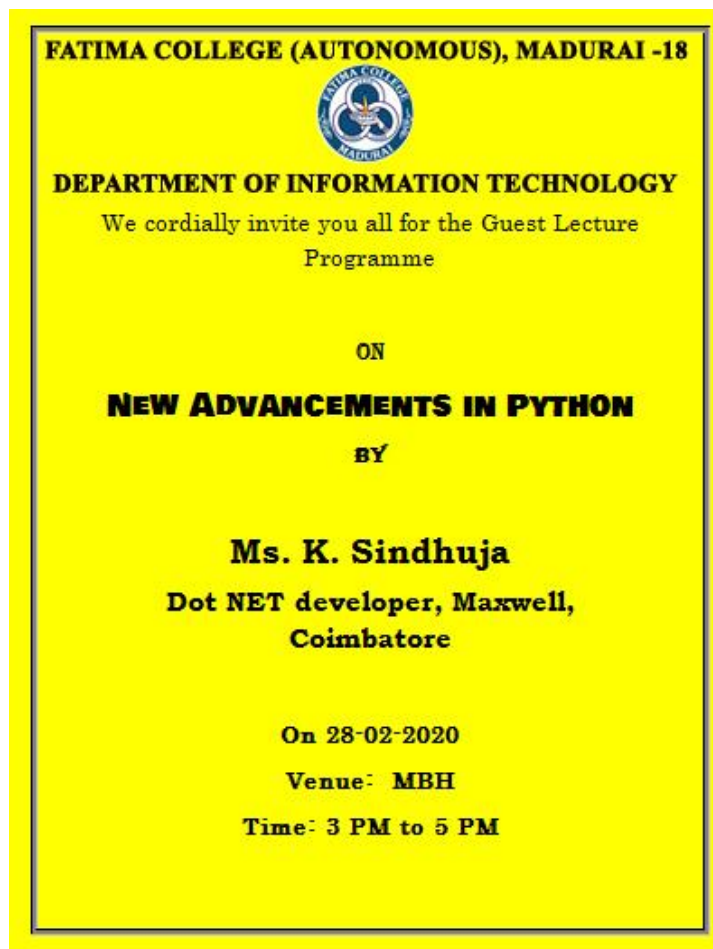
## **FATIMA COLLEGE (Autonomous), MADURAI-18.**

### **DEPARTMENT OF INFORMATION TECHNOLOGY**

To give awareness about recent advancements in Information Technology, the department of Information Technology organized a Guest lecture on 28<sup>th</sup> February 2020. Ms. K. Sindhuja, Dot NET developer, Maxwell, Coimbatore addressed the gathering. She talked about the advancements in Python programming language and the opportunities available in the IT Industry.

**Outcome:** Students got an idea about advanced python programming and the opportunities available in the IT field.

### **INVITATION**



## PHOTO



**Session on New Advancement in Python by Ms.K.Sindhuja, Maxwell, Coimbatore**



**Signature of the HOD**  
**Head of the Department**  
**Department of Information Technology,**  
**Fatima College (Autonomous), Madurai.**



**Criterion** : V – Student Support and Progression  
**Metric** : 5.1.3 – Capacity Enhancement & Skill Development  
**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Webinar on Face the Future  
15.05.2020**

**No. of Participants: 88**





**FATIMA COLLEGE(AUTONOMOUS), MADURAI -18**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

### **WEBINAR REPORT**

The Department of Information Technology has organized an international webinar on “Face the Future” on 15<sup>th</sup> May 2020, to give awareness about psychological approach towards Covid 19.

**Mr. JFM.B.K . Ramachandhiran, International Trainer from Junior Chamber international, Saudi Arabia** addressed the gathering. He talked about Current Trends that the world is facing and its impact over Education . He also guided the students how to face it with an optimistic psychology.

**OUTCOME:** Students were able to identify the current covid situation and motivated to face the new challenges.

#### **INVITATION :**

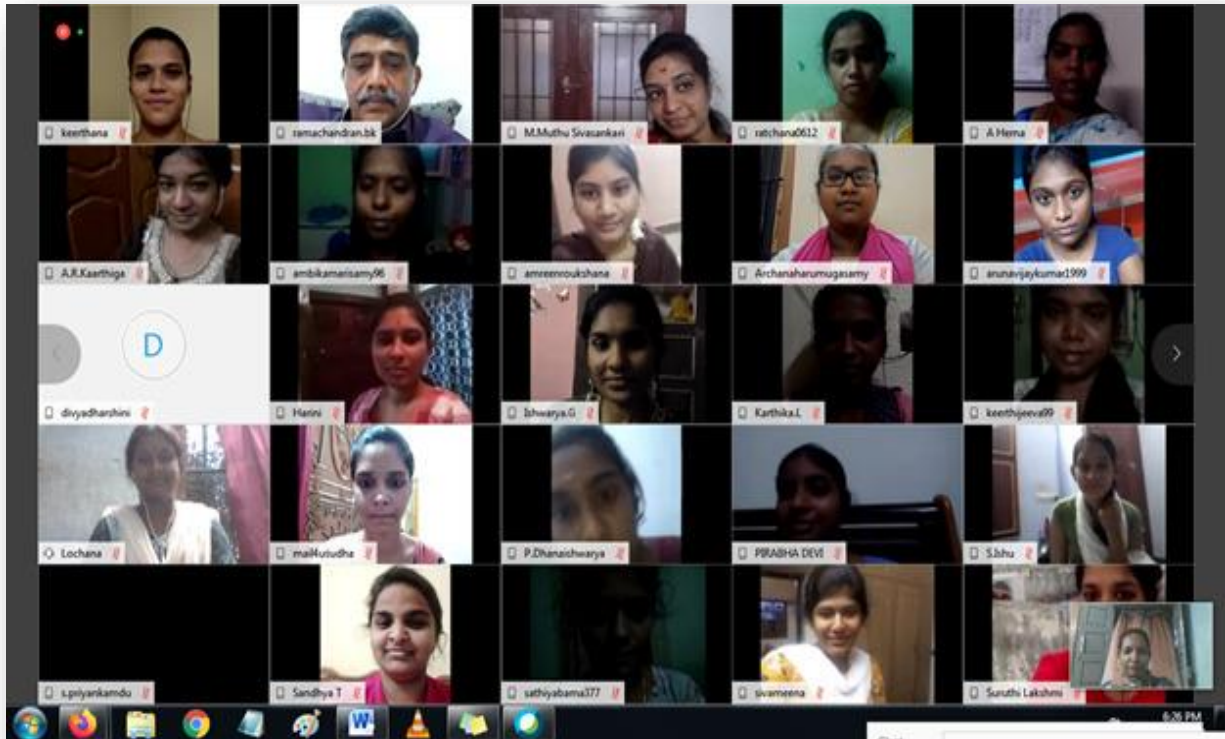
**Fatima College (Autonomous)**  
[Re - Accredited with 'A' Grade by NAAC (3<sup>rd</sup> Cycle)]  
94<sup>th</sup> rank in India Ranking 2019 (NIRF)  
Mary Land, Madurai - 625018.

**Department of Information Technology**  
Organizes  
**WEBINAR**  
On  
**Face the Future**

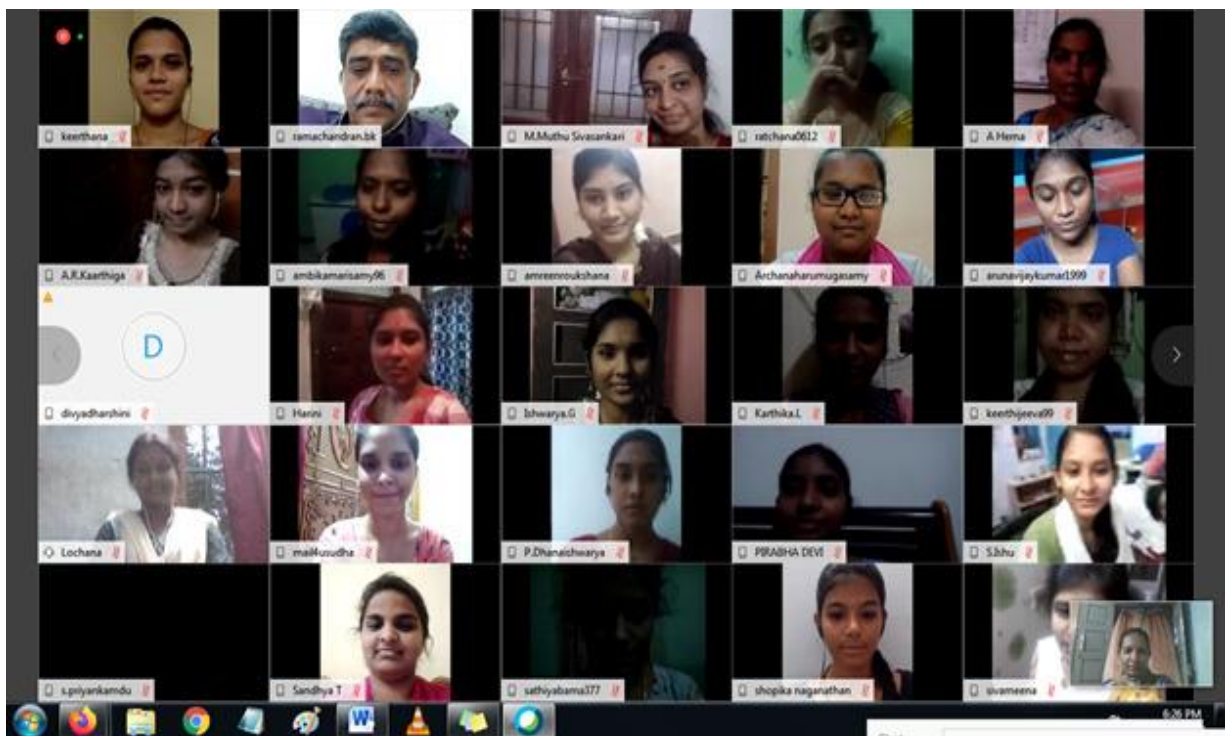
**Resource Person**  
**JFM. B. K. Ramachandhiran**  
International Trainer  
Junior Chamber International  
Saudi Arabia


**Date**  
**May 15, 2020**  
**Time**  
**5 PM to 6 PM**

## PHOTOS :



*Participating in the Seminar - "Face the Future" - 15.05.2020*



  
Head of the Department  
Department of Information Technology,  
Fatima College (Autonomous), Madurai.



**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Tools and Techniques in  
Statistics - A Hands on  
Experience in Microsoft Excel  
21.07.2020 - 23.07.2020  
No. of Participants: 213**



FATIMA COLLEGE (AUTONOMOUS)  
College with Potential for Excellence  
(Re - Accredited with A grade by NAAC)  
74<sup>TH</sup> Rank in India Ranking 2020(NIRF) By MHRD  
Mary land, Madurai -625018



## THREE DAY NATIONAL ONLINE WORKSHOP

ON

### Tools and Techniques of Statistics - A Hands on Experience in Microsoft Excel

RESOURCE PERSON



Dr Sahana Prasad  
Associate Professor  
CHRIST University  
Bangalore

ORGANIZED BY

DEPARTMENT OF STATISTICS SF

JULY 21 - 23, 2020

11.00 AM - 12.30 PM



**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**DEPARTMENT OF STATISTICS SF**  
**THREE DAY NATIONAL ONLINE WORKSHOP**

**RESOURCE PERSON:**    **DR. SAHANA PRASAD**  
**ASSOCIATE PROFESSOR**  
**DEPARTMENT OF STATISTICS**  
**CHRIST UNIVERSITY (DEEMED TO BE)**

**TOPIC**                        **:**    **TOOLS AND TECHNIQUES IN STATISTICS**  
    **-    A HANDS ON EXPERIENCE IN EXCEL**

**DATE**                         **:**    **21.07.2020 – 23.07.2020**

The Department of Statistics SF organized a Three day National Online Workshop on “Tools and Techniques in Statistics – A Hands on Experience in Excel”. The programme began with a prayer. Dr. E. Helena, Head, Department of Mathematics SF welcomed introduced the resource person. The resource person Dr. Sahana Prasad, Associate Professor, Department of Statistics, Christ university (Deemed to be), Bengaluru gave hands on training on Excel. Mrs. J. Annaal Mercy, Assistant Professor, department of Mathematics proposed the vote of thanks.

A handwritten signature in dark ink, appearing to read "helena", is positioned above the printed name of the Head of the Department of Mathematics.

**Dr. E. Helena**  
**Head, Department of Mathematics, Fatima College,**  
**Madurai-18**





**Criterion** : V – Student Support and Progression

**Metric** : 5.1.3 – Capacity Enhancement & Skill Development

**Year** : 2019- 2020



# **AWARENESS OF TRENDS IN TECHNOLOGY**

**Iron Based MRI Contrast  
Agents  
22.07.2020**

**No. of Participants: 155**



**Fatima College (Autonomous)**  
**Mary Land, Madurai -18**

**STATE LEVEL WEBINAR ON “IRON BASED MRI CONTRAST AGENTS” on 22 nd July,2020.**

**Resource Persons:**

**1.Dr. R. Mayil Murugan,**

Assistant Professor,  
Department of Physical chemistry,  
School of Chemistry,  
Madurai Kamaraj University,  
Madurai

A One-daywebinar on “**Iron Based MRI Contrast Agents**” was organised by department of chemistry on 22<sup>nd</sup> July 2020 at Fatima College.

Dr.B.Medona, The Head, Department of Chemistrywelcomed the gathering and introduced the programme to all.

The Programme was chaired by Dr.R.Mayilmurugan, Assistant professor, Department of physical chemistry, School of chemistry, Madurai kamarajaruniversity.

The first technical session was handled by Dr.R.Mayilmurugan on “**Iron Based MRI Contrast Agents**”.

He discussed about biomedical version of NMR, how magnetic images working and discussed about different contrasting agents.He has given detail information about Gadolinium contrasting agents available in the market and transition metal MRI contrast agents. He has discussed about CEST – Chemical Exchange Saturation Transfer, Diacest and para cest. Finally, he has concluded with Iron III agents with biotin and its uses.

The programme ended up with vote of thanks given by Mrs. V. Arul Deepa, Assistant Professor, Department of Chemistry, Fatima college.

## Invitation



**FATIMA COLLEGE (AUTONOMOUS)**  
COLLEGE WITH POTENTIAL FOR EXCELLENCE (2004 - 2019)  
(RE-ACCREDITED WITH 'A' GRADE BY NAAC III CYCLE)  
74TH RANK IN INDIA RANKING 2020 (NIRF) BY MHRD  
MARY LAND, MADURAI - 625 018

**DEPARTMENT OF CHEMISTRY**

✓ FREE REGISTRATION  
✓ FACULTY MEMBERS, RESEARCH SCHOLARS & STUDENTS ARE INVITED  
✓ E-CERTIFICATE WILL BE PROVIDED AFTER SUBMITTING THE FEEDBACK.

**RESOURCE PERSON: DR. R. MAYIL MURUGAN**  
Assistant Professor,  
Department of Physical chemistry,  
School of chemistry, Madurai Kamaraj University,  
Madurai, Tamilnadu

**TITLE: "IRON-BASED MRI CONTRAST AGENTS"**

FOR QUERIES, SUGGESTIONS, COMMENTS  
CONTACT  
priyodharsanm1@gmail.com  
aruldeepa0608@gmail.com

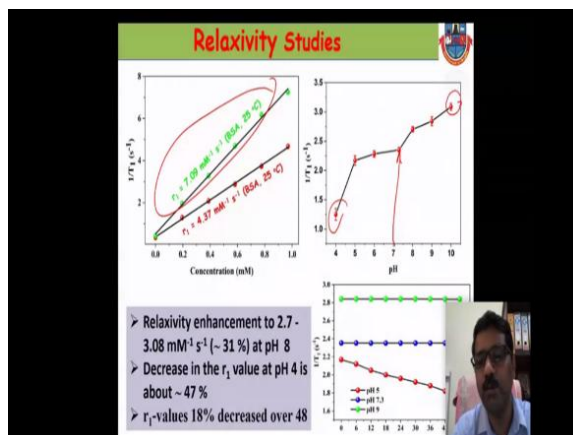
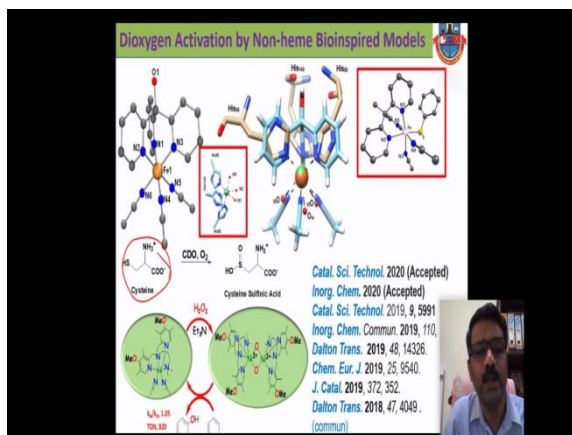
Welcome Address  
**DR. B. MEDONA, HEAD**  
DEPARTMENT OF CHEMISTRY, FATIMA COLLEGE  
**DR. SR. G. CELINE SAHAYA MARY**  
PRINCIPAL

To Register: <https://forms.gle/vmZBDM9oFmsq8cpv6>

Made with PosterMyWall.com

## Photos





The session was handled by Dr.R.Mayilmurugan on “Iron Based MRI Contrast Agents.

*S. Selvakumari*  
**Head, Department of  
 Chemistry, Fatima College,  
 Madurai-18**