NAAC - 4th CYCLE - Self Study Report (SSR)



Criterion : V - Student Support and Progression

Metric : 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



AWARENESS OF TRENDS IN TECHNOLOGY 2017 - 2018



Criterion : V - Student Support and Progression

Metric : 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



AWARENESS OF TRENDS IN TECHNOLOGY

DEVOPS & PHONE GAP 20.07.2017

S. NO.	PARTICULARS	NO. OF PARTICIPANTS
1	I MCA	7
2	II MCA	44
3	III MCA	60
	TOTAL	111

DEVOPS & PHONE GAP

Name : 1. Mr.G.Rajkumar & 2. Mr.Venkatesh

Date : 20.07.2017

Designation :1. Business Development Manager

Time : 2.00 p.m - 4.00 p.m

2. Web Design Technical Staff

Venue : Seminar Hall

Phone No. : 7397712225, 9894093592

Key Points Highlighted:

- ✓ What is Devops?
- ✓ Principles of Devops
- ✓ Devops and Phone Gap

The session was on the current technology named Devops which takes care of the challenges faced by Development and Operations. It integrates developers and operations team to improve collaboration and productivity. He focused on the 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. Then there was a discussion about the training certificates and the tools related to Devops.

OUTCOME:

- ✓ Interested in DevOps Certification Training course
- ✓ Know about the tools such as Puppet, Jenkins, Nagios, Ansible, Chef, Saltstack and GIT for automating multiple steps in SDLC.



DEVOPS & PHONE GAP, 20 JULY 2017, MR.G.RAJKUMAR, BUSINESS DEVELOPMENT MANAGER & MR.VENKATESH, WEB DESIGN TECHNICAL STAFF

_ V. Mugroo

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 : 2017- 2018



Chemistry and Physics of Nano Material 26.07.2017



DEPARTMENT OF CHEMISTRY

Association Guest Lecture on "Chemistry and Physics of nanomaterials" on 26.7.2017

Resource Person: Dr. M.Jeyanthinath

Assistant Professor

Dept of Material Science

School of Chemistry

Madurai Kamaraj University

Madurai

Chemistry department Organized Association Guest Lecture on" Chemistry and Physics of nanomaterials" on 26.7.2017 in MBH Seminar Hall.

The Event started with the prayer song by the college choir Girls. Dr.S.Selvarani, Head, Dept of Chemistry welcomed the gathering. The resource person Dr.M.Jeyanthinath, Assistant professor, Madurai Kamaraj University enlightened the students on the topic "Chemistry and Physics of nanomaterials". The session covers the basics of Nano chemistry, applications of nanochemistry in various fields and the current innovation in the biomedical filed. He explained the various opportunities in the field of Nano chemistry for chemistry and physics major. The students raised various doubts and the session ended with valedictory address.





Head of the Department

HEAD
Department of Chemistry
Fatima College (Autonomics)



Criterion : V – Student Support and Progression

Metric: 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



Computer Basic Hardware & Networking 26.07.2017 &12.09.2017



FATIMA COLLEGE (AUTONOMOU), MADURAI DEPARTMENT OF COMPUTER SCIENCE

2017-18

Computer Basics Hardware and Networking



The main objective of this program is to provide practical exposure in computer hardware, assembling, maintenance and troubleshooting. Students gained knowledge in network administration and maintenance. Outcome of this course is to motivate self-employment and assist in placement.







Computer Basic Hardware and Networking – practical session by Mr. M.Mohamed Nazar, Proprietor, Views Computer, Madurai

genniellaux

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 : 2017- 2018



The Diverse Applications of Nanomaterials 27.07.2017



FATIMA COLLEGE (AUTONOMOUS), MADURAI DEPARTMENT OF PHÝSICS

We, the Staff and Students cordially invite you to join the

UG & PG PHYSICS ASSOCIATION

INAUGURATION

Lecture on



The Diverse Applications of Nanomaterials



By DR. S. ABRAHAM JOHN

Associate Professor,
Director for Nanoscience and Nanotechnology
Gandhigram Rural University
Gandhigram – 624 302, Dindigul

Thursday, July 27th 2017

Time:11:30 am − 1:00 pm Venue: San Jose Hall



Fatima College (Autonomous), Madurai 18

Department of Physics

Date: 27.07.2017

No:of Participants: 126

Today Nanotechnology has emerged as a field that has revolutionized the world ranging from simple food packaging articles to medicinal therapeutics. Nanotechnology has been applied to create molecules possessing dimensions according to the type of application desired and nanosized sized objects have found application in most of the fields in sciences. So sensing the need of the hour to educate the young physicists about this field, Dept of Physics arranged the Guest lecture on "_The Diverse Applications of Nanomaterials_" on 21.07.2017. It was delivered by Dr. S. Abraham John, Director for Nanoscience and Nanotechnology, Gandhigram Rural University, Gandhigram at the San Jose seminar hall in the Premises of Fatima College.

He gave a detailed overview of the synthesis, properties and applications of nanomaterials exist in different forms. He threw light on the different groups including fullerenes, metal NPs, ceramic NPs, and polymeric NPs. Also he spoke on the unique physical and chemical properties due to their high surface area and nanoscale size. And showed that their optical properties are reported to be dependent on the size, which imparts different colors due to absorption in the visible region and that promises much more applications in optical frequencies.

Nearly 100 students participated and they this talk extremely useful as the techquique has wide range of applications in geology, material science, environmental science, chemistry, forensic science, and the pharmaceutical industry, among others.



Prof. Abraham John interacting with the audience during his lecture on diverse applications of nanomaterials.

Dr. A. SHEELA VIMALA RANI HEAD & ASSOCIATE PROFESSOR DEPARTMENT OF PHYSICS FATTMA COLLEGE MADURAL 625 018



Criterion: V - Student Support and Progression

Metric : 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



AWARENESS OF TRENDS IN TECHNOLOGY

INTRODUCTION TO WORDPRESS

04.08.2017

S. NO.	PARTICULARS	NO. OF PARTICIPANTS
1	IMCA	7
2	II MCA	44
3	III MCA	60
	TOTAL	111



INTRODUCTION TO WORDPRESS

Name : P. Sasidharan Date : 04.08.2017

Designation: Program Manager, IIHT, Madurai Time: 2.00 p.m - 4.00 p.m

Phone No. : 9944032029 Venue : Seminar Hall

Key Points Highlighted:

✓ What is WordPress?

✓ Use of WordPress

✓ How to install WordPress?

The session was on an emerging technology WordPress. It is web publishing software used to create own websites or blogs. WordPress is an 'Open Source' project. It's user-friendly, flexible and extensible. It is also easy to find support control of our own content. WordPress is extremely SEO (Search Engine Optimization) friendly from the start. The core foundation of WordPress is fully compliant with web standards set by the W3C and works great on any device or browser. This clean, search-engine friendly code could mean that your pages will land on a higher spot in the search engines such as Google.

OUTCOME:

- ✓ Creation of own blogs and websites.
- ✓ Developers can also use tools to analyze potential vulnerabilities, including WPScan,
 WordPress Auditor and WordPress Sploit Framework developed by opcodeFR



INTRODUCTION TO WORDPRESS, 04 AUG 2017, P. SASIDHARAN, MANAGER, IIHT, MADURAI

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 : 2017- 2018



Website Fabrication Development 11.08.2017

PG DEPARTMENT OF INFORMATION TECHNOLOGY



We cordially invite you all for the Guest lecture on

"WEBSITE FABRICATION DEVELOPMENT"

By

Ms.J.N.Amirtha,

Faculty, SSL Education,

Madurai

Date : 11.08.2017

Venue : SJ seminar Hall



FATIMA COLLEGE(AUTONOMOUS), MADURAI PG DEPARTMENT OF INFORMATION TECHNOLOGY

WEBSITE FABRICATION DEVELOPMENT

PG Department of Information Technology organised a guest lecture on "**Website Fabrication Development**" was delivered by Ms.J.N.Amirtha, Faculty, SSL Education, Madurai On Aug.11, 2017.

OUTCOME: Guest lecture on this topic made our students to realize current trends in IT field.







Criterion : V - Student Support and Progression

Metric : 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



AWARENESS OF TRENDS IN TECHNOLOGY

Big Data Analytics & Social Media Ethics

17.08.2017

S. NO.	PARTICULARS	NO. OF PARTICIPANTS
1	III UG COMPUTER SCIENCE	48
2	I PG COMPUTER SCIENCE	25
3	II UG COMPUTER SCIENCE	52
4	I UG COMPUTER SCIENCE	47
5	II PG COMPUTER SCIENCE	33
	TOTAL	205



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

DEPARTMENT DOCUMENTATION 2017-2018

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

Bíg data Annalytícs & Socíal Medía **Ethics**

by

Dr.A.Suruliandi, Professor & Head i/c., Centre for Information Technology & Engineering, Manonmaniam Sundaranar University, Tirunelveli

Date : 17/08/17

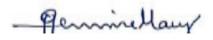
Time: 10.15 - 12.150 p.m

Venue : Jubilee Hall



Speaker: Dr. A. Suriliandi, Professor, Centre of Information Technology & Engineering, Manonmanian University Topic: Big Data Analytics & Social Media Ethics

	nor -
	I DOIL
PIC DATA ANDLYTICS & PROCESS	
PROGRAMME: BIG DATA ANALYTICS & SOCIAL MEDIA	The session mas don't be in
ETHICS	The session was about big data Analytics and Social Media office 11-
DATE: 17-8-2017	and Social Media Ethics. He gave a bruef
	And all about Big Data and it asses
TIME: 10:15 a.m. to	explanation about Big Data and it was And also provided some very important but often overlooked social media ethics
	Often overlooked social media ethics
VENUE: JUBILEE FLALL	
TENUE - SUBILEE (IPILL	The session was both highly
404	Typinalese and engagetic of the
NAME: Dr. A Swrutiandi'	with many examples. The session was fun filled throughout and had many real life examples.
Professor & Head in - charge	filled throughout and had assess and til
Center for Information Pechnology &	examples
Graineesina	
Manoumanian Sundanas University	
Pounetrali	, 24
TOROTTE (E	



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



Criterion : V - Student Support and Progression

Metric: 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018

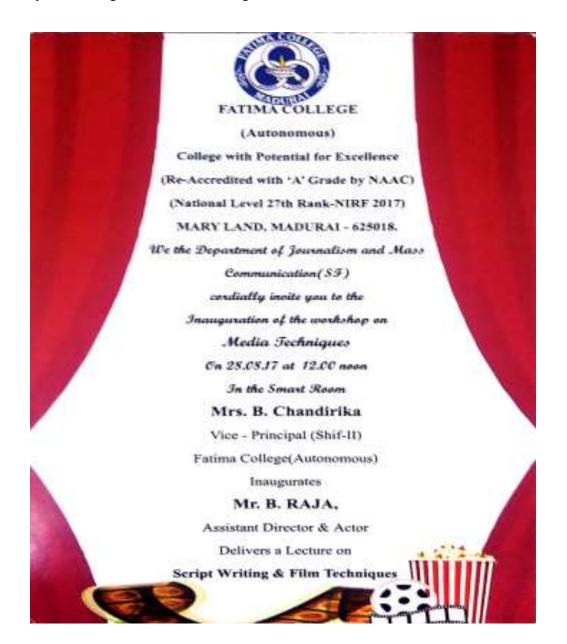


Workshop on Media Techniques 28.08.2017 - 31.08.2017



Department of Journalism and Mass Communication

• **A Four-day Workshop on Media Techniques** was conducted from 28.08.2017 to 31.08.2017.



The Sessions for the Workshop were scheduled as follows:

Date	Forenoon		Afternoon	
	Resource Person	Topic	Resource Person	Topic
28.08.17	B.RAJA, ASSISTANT DIRECTOR AND ACTOR	Script Writing & Film techniques	LAWRENCE SANTIAGO.A, PHD SCHOLAR AND GRAPHIC DESIGNER, DEPT OF COMMUNICATION MADURAL.KAMARAJ UNIVERSITY, MADURAI	Print Editing
29.08.17	DR.S.NAGARATHINAM, ASSO PROF & HEAD, DEPT OF COMMUNICATION, MADURAI.KAMARAJ UNIVERSITY, MADURAI	News Reporting and Writing	DR.S.SALIMA, ASST PROF, DEPT MASS.COM, DDE, MADURAI.KAMARAJ UNIVERSITY, MADURAI	Audio Editing
30.08.17	DR.V.THIRUVENI,ASST.PROF, DEPT OF VISCOM,DDE , MADURAI.KAMARAJ UNIVERSITY,.MADURAI	Radio Format & Scripting	MR.R.MOSES ABISHEK, ASST.PROF, DEPT OF VIS.COM.THE AMERICAN COLLEGE.MADURAI	Photography
31.08.17	K.ABIRAMI,ASST PROF, DEPT OF VISCOM, KALASALINGAM UNIVERSITY	Basics of Photoshop	S.BALAGANAPATHY, ASST.PROF, DEPT OF VIS.COM.KALASALINGAM UNIVERSITY	Basics of Video Editing



Mr. B. Raja, Assistant Director and Actor delievered a session on Script Writing and Film Techniques

Certificates for the Workshop

FATIMA COLLEGE (Autonomous) (College with Potential for Excellence and Re-Accredited with 'A' Crade by NAAC) NATIONAL LEVEL 27TH RANK - NRFF 2017 Mary Land , Madurai + 18 This is to certify that Ms. Of 1/11/ III BA Journalism & Mass Communication participated in a four-day workshop on the topic Media Techniques conducted by the Department of Journalism & Mass Communication (SF) from 28:08:2017 to 31:08:2017.	FATIMA COLLEGE (Autonomous) Power Forest for Excellence and Re-Accredited with 'A' Grade by NAAC) NATIONAL LEVEL 27th RANK - NIRF 2017 Mary Land , Madurat = 18 This is to certify that Ms H SHARFON FATHERAR of 1/11/111 BA journalism & Mass Communication participated in a four-day workshop on the logic Media Techniques conducted by the Department of Journalism & Mass Communication (SE)	
Dr. Mary Magnialens Abraham Associate Professor and Head, Dept. of Journalism & Mass Communication (SF) Potton College Pot	Mr. W. S. Steph Sugardia Dr. Mary Magazines Advances and Mada. Days of Journalisms & Mass Communication (NF) Testing of February College Testing College Te	
0	utcome	

• As an outcome of the Workshop the participants acquired the basic skills and techniques of almost all the fields of the Media Industry like script writing and film techniques, news reporting and writing, script writing for radio and basics of Photoshop

Department of Journalism & Mass Communication, Fatima College Madurai

8. Ramaban



Criterion : V - Student Support and Progression

Metric : 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



Laser in Medicine 15.09.2017



7A77MA COLLEGE (Autonomous) College with Potential for Excellence Re-Accredited with 'A' grade by NAAC Mary land, Madurai - 18.

UG & PG PHYSICS ASSOCIATION

By

Dr. K.Senthilnathan
Associate Professor
Department of Physics
VIT University
Vellore

On
"Laser in Medicine"

All are welcome

Date:15.09.2017

7ime: 11 am

Venue: A1



Fatima College (Autonomous), Madurai 18

Department of Physics

Laser in Medicine

Date:15.9.17

No:of Participants: 75

Although lasers are today used by a large variety of professions, one of the most meaningful applications of laser technology has been through its use in medicine. Being faster and less invasive with a high precision, lasers have penetrated into most medical disciplines during the last half century including dermatology, ophthalmology, dentistry, otolaryngology, gastroenterology, urology, gynaecology, cardiology, neurosurgery and orthopaedics. In many ways the laser has revolutionized the diagnosis and treatment of a disease.

Fore seeing the potential of laser in medicine, a guest lecture on "Laser in Medicine" was arranged by dept. Of Physics. It was delivered by <u>Dr. K. Senthilnathan</u>, Associate **Professor**, **Department of Physics**, **VIT University**, **Vellore** on 15.09.2017. Nearly 75 students participated and got benefited out of this.



Dr. Senthilnathan, interacting with the audience during his lecture on lasers in medicine.





Criterion : V - Student Support and Progression

Metric: 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018



Biomaterials and Nanochemistry Internatinal Symposium 19.09.2017



FATIMA COLLEGE (AUTONOMOUS)

(College with potential for Excellence) (Re-Accredited with 'A' grade by NAAC) 27 th Rank in India Ranking 2017 (NIRF) Mary Land, Madurai - 625 018





FATIMA COLLEGE

(Autonomous)

(College with Potential for Excellence) (Re - Accredited with "A" Grade byNAAC) 27th Rank in India Ranking 2017 (NIRF) Mary Land, Madurai - 625 018



International Symposium <u>Agenda</u>

- Lighting the Lamp
- Prayer

Welcome Address

: Dr. Vasantha Esther Rani

Head, Dept of H.Sc with FBT \mathscr{L}

Dean of Research (Regular)

- Felicitations
- : Dr. Sr. G. Celine Sahaya Mary

Principal, Fatima College

&z.

Dr. Sr. M. Francisca Flora

Secretary, Fatima College

- Key Note Address
- : Dr.Muthupandian Ashokkumar

Professor, School of Chemistry
Associate Dean (Engagement & International)
Faculty of Science, University of Melbourne,
Australia

- Special Address
- : Dr.Francesca Cavalieri

Scientist, ENEA, Academic, The University of Melbourne, Australia

- Vote of Thanks
- : Dr. M.Arasammal

Head, Dept of Commerce

Dean of Research (SF)

- Master of Ceremony
- : Ms.I.Rumana Bismi

I M.Sc HNN

*******<mark>*</mark>********************

INTERNATIONAL SYMPOSIUM REPORT

International Symposium on "Biomaterials and Nanochemistry" was organized by Research Advisory Committee of Fatima College, Madurai on 19.09.2017. Dr. Vasantha Esther Rani, Dean of Research & Head of the Department of Home Science with Food Biotechnology welcomed the gathering. Rev. Dr. Sr. M.Francisca Flora, The secretary delivered the inaugural address. In her address, she conveyed the topic chosen was more inter disciplinary which amalgamates the disciplines like mathematics, physics, chemistry and Biology and which is the need of hour. Dr.Sr.G.Celine Sahaya Mary, the Principal felicitated the gathering. Dr.Muthupandian Ashokkumar, Professor, School of Chemistry, University of Melbourne gave the key note address. In his address he highlighted that one should understand the basic concepts which pave the way to enlightment of knowledge.

Dr.Francisca Cavalieri, Scientist ENEA Academy, Department of chemical & Biomolecular Engineering, University of Melbourne was the chief guest of the day. She delivered her thematic lecture on "The Engineering of drug delivery systems using ultrasound-Responsive Bio molecules". She highlighted the importance of synthesis of different kinds of nanomaterials using different polymers like Biopolysaccharide, Liposome, Carbon nanotube etc., as drug delivery systems encapsulating DNA or RNA or drug as therapeutic agents and which have potential applications in the field of Biology for the cancer therapy and antimicrobial activity. The target audience of the symposium were the students from Student Resource Forum of Fatima college, Post graduate students and research scholars from Lady Doak college, Madura college and Madurai Kamaraj University. Dr. M.Arasammal,



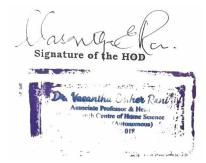














Criterion : V – Student Support and Progression

Metric : 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018



International Seminar on Recent Trends in Chemistry 20.09.2017



Fatima College (Autonomous), Madurai 18

Department of Chemistry

INTERNATIONAL SEMINAR

Title: "RECENT TRENDS IN CHEIMTRY"

Resource Person: 1. DR.C. SRINIVASAN,

FORMER SENIOR PROFESSOR & HEAD,

MADURAI KAMARAJ UNIVERSITY.

2. Dr.durga prasad karothu,
POST DOCTORAL ASSOCIATE,

NEW YORK UNIVERSITY, ABU DABI.

3. DR.P.ELUMALAI,

ASSOCIATE PROFESSOR,

PONDICHERRY UNIVERSITY.

4. Dr. A. GUBENTRAN,

ASSOCIATE PROFESSOR,

SARASWATHI NARAYANAN COLLEGE,

PERUNKUDI.

5. Dr.s. Abraham John,

PROFESSOR AND DIRECTOR OF NANO

SCIENCE,

GANDHIGRAM RURAL UNIVESITY.

DATE: 20.09.2017



Mindblowing session by external experts













The department of chemistry of Fatima College, organized an one day international seminar on "Recent trends in Chemistry" on 20.09.2017. Rev. Sr. Dr. M.Francisca Flora, Secretary, Fatima College, inaugurated the seminar. Rev. Sr. Dr. G. Celine Sahaya Mary, Principal, Fatima College, Madurai Felicitated the Seminar. The Head of the Department of Chemistry Dr. S. Selvarani, welcomed the gathering.

Dr. C. Srinivasan, Former Senior Professor & Head, Department Of Material Science, School of chemistry, Madurai Kamaraj University, Madurai shared his expertise on "Mechanically Interlocked Molecules" (Molecular Level Machines). The bottom-up design, construction, and operation of devices and machines on the molecular scale is a topic of great interest in nanoscience and a fascinating challenge for nanotechnology. He highlited the Species made of interlocked molecular components which are most attractive candidates for these purposes.

Dr. P. Elumalai, Associate Professor, Centre for Green Energy Technology, Pondicherry University, Pondicherry, shared his research experiences on Chemistry of Nano Materials – Materials to Devices and he pointed out the major challenges in energy sectors are to be developed efficient, low cost and environmentally benign electrical energy storage device to address the issues of climatic change and its consequences. He specified electro chemical energy storage devices (batteries and super capacitors) play important roles as storage devices.

Faculties, students and Research scholars from various colleges and universities have participated and presented their research papers. The session was chaired by Dr. A. Gubendran, Associate professor, Department of Chemistry, Saraswathi Narayanan College, Perungudi.

Dr. Durga Prasad Karothu, Post - Doctoral Associate, New York University, Abu Dhabi delivered his lecture on "Smart Materials". He pointed out that molecular crystals that exhibit reversible macroscopic changes in response to external stimuli which are desirable for their potential applications in the development of nano scale robots and also how they could mimic some dynamic processes in living organisms.

Valedictory address was delivered by Dr. S. Abraham John, Professor&Director, Centre for Nano Science & Technology, Department Of Chemistry, Gandhigram Rural University, Gandhigram . He highlited the synthesis and direct growth of Gold Nano structures on electrode substrates for electrocatalytic applications.

Head of the Department

3. Selva Lami

HEAD
Department of Chémistry
Fatima College (Autonomicus)



Metric : 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



Conference on Digital Technologies - A Future Perspective 20.09.2017



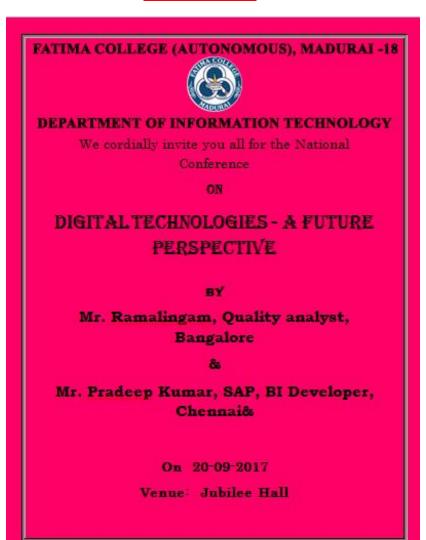
FATIMA COLLEGE (Autonomous), MADURAI-18. DEPARTMENT OF INFORMATION TECHNOLOGY

DIGITAL TECHNOLOGIES A FUTURE PERSPECTIVES

To give awareness about recent trends in Information Technology, the department of Information Technology organized a National Conference on 20th September 2017. 13th March 2017. Mr. Ramalingam, Quality Analyst, Bangalore , pointed out the recent advancements in the software automation and analytics field. Mr. Pradeep Kumar, SAP, BI Developer Chennai addressed the gathering. He talked about Prediction from proceeded data. Advancement in data processing and related job opportunities are pointed out by the resource person.

Outcome: Students got an idea about the recent advancements in the data processing field.

INVITATION





Mr. Pradeep Kumar, SAP, BI Developer Chennai addressed the gathering

Head

Department of Information Technology Fatima College Madurai



Metric : 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018



Workshop on Digital Transformation in Business 04.10.2017





Place: Madurai

Date: 4/10/17

Venue : Jubilee Hall



FATIMA COLLEGE (AUTONOMOUS), MADURAI

DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATIONS

DIGITAL TRANSFORMATION IN BUSINESS

On 4/10/17 the department of Commerce with Computer Applications had a workshop at state level consisting of three sessions.

FIRST SESSION:

The first session was taken up by Dr.G.John, Associate professor, Research Department of commerce, St. Joseph's college Trichy. Topic taken by Dr.G.John was exploring digital business prospects via lateral thinking. The time of the session was from 10.00 am to 11.30 am. He told about digital business, how to generate the business, mental gym, and also ideas for business. The first session was interesting because of the quiz. From the first session, we came to know about the digital business prospects.



Dr. G. John, Associate professor, Research Department of commerce, St. Joseph's College, Trichy delievered his special lecture on digital transformation on 04.10.2017



SECOND SESSION:

The Session was handled by Dr. M. Balaji (Associate Professor, Department of Management of Studies, V.H.N.S.N College, Virudhunagar). The topic on which Dr.M.Balaji discussed was E-Tailing An Emerging Trend. The time of second session was from 12.00 Noon to 1.30 p.m. He told about the History of Indian E-Commerce Industries and about the E-business. We got many information about online transactions like e-mail, flipkart, snapdeal, ebay, jabong, amazon, paytm etc,. From the second session, we came to know about all online transaction related information.

A session on E- Tailing was handled by Dr. M. Balaji





THIRD SESSION:

third for the The Guest speaker session was Dr.P.S.Senthilkumar (Assistant professor, Department of commerce, S.V.N College, Madurai). Topic on which Dr.P.S. Senthilkumar dealt was "Application of IT in Modern Business". The time of third session was from 2.30 p.m to 4.00 p.m. He started the session with one video related to women, "Women Are The Real Achievers". He told about the cloud storage and how they earn money through creating an account in face book. He also told about the information related to Google products, to fill the forms through Gmail. From the third session we came to know about the full information about email, how to fill the forms.



Dr. P. S. Senthilkumar enriched the audience



The valediction was made by Mrs. Chandirika B, Vice Principal of Shift II.

Head of the Department of

Commerce with Computer Application Fatima College, Madurai



Metric : 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018



Cloud Computing and Women Empowerment 12.12.2017



Fatima College (Autonomous) Mary Land, Madurai -18

DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATIONS SYSCOM CLUB ACTIVITIES (2017-18)

DATE : 12.12.2017

CHIEF GUEST

SESSION 1. MRS.MAGESHWARI

HEAD OF THE DEPARTMENT - INFORMATION TECHNOLOGY

TOPIC : CLOUD COMPUTING

SESSION 2. MRS. KATHIJA,

SOFT SKILL TRAINER, NATIONAL ACADEMY SCHOOL,

RAMANATHAPURAM.

TOPIC : WOMEN EMPOWERMENT

VENUE : MBH



MRS. MAHESHWARI EXPLAINED CLOUD COMPUTING TO THE STUDENTS ON 12.12.2017





MRS. KATHIJA, SOFT SKILL TRAINER, NATIONAL ACADEMY SCHOOL, RAMANATHAPURAM DELIEVERED HER VIBRANT TALK ON 12.12.2017

REFRESHING MOMENT DURING THE SESSION



M. Ales ---

Head of the Department of Commerce with Computer Application Fatima College, Madurai



Metric : 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018



Honey Bees – Blessing Angels 13.12.2017



FATIMA COLLEGE (AUTONOMOUS) MARY LAND, MADURAI -625018 College with Potential for Excellence Re-accredited with 'A' Grade by NAAC

(National Level 27th Rank – NIRF 2017)

We the faculty and the students of the Department of Zoology cordially invite you to the guest lecture on

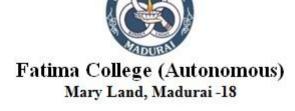
HONEY BEES - BLESSING ANGELS

BY

DR.M.GANESH KUMAR

MANAGING DIRECTOR
QUEEN CASPER BEE FARM
MADURAI – 16

Date- 13-12-2017



GUEST LECTURE, "HONEY BEES – BLESSING ANGELS" 13-12-2017

Report:

The Department of Zoology organised a guest lecture on "Honey bees – Blessing angels" on 13.12.2017. Dr. M.Ganesh kumar, Managing Director, Queen Casper Bee Farm, Madurai delivered the guest lecture. He spoke about the different types of honey bees, techniques in apiculture and also socio-economic uses of Honey bees.

GUEST LECTURE, DEPARTMENT OF ZOOLOGY -13.12.2017





Dr. M.Ganesh kumar, Managing Director, Queen Casper Bee Farm, Madurai delivered the guest lecture on "Honey bees – Blessing angels"

Signature of the HOD

Dr. A. TAMIL SELVI
Head, Dept. of Zoology
FATIMA COLLEGE (AUTONOMOUS)
MADURAI-625 018



Metric : 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



AWARENESS OF TRENDS IN TECHNOLOGY TEXT MINING

20.12.2017

S. NO.	PARTICULARS	NO. OF PARTICIPANTS
1	III UG COMPUTER SCIENCE	47
2	II PG COMPUTER SCIENCE	25
	TOTAL	72



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

DEPARTMENT DOCUMENTATION

2017-2018

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

Text Mining

by

Mrs.A.S.Baby Rani

Associate Professor Department of Computer Science Sri Meenakshi Govt Arts College for Women (Autonomous) Madurai

Date : 20/12/17

Time: 12.00 - 1.00 p.m

Venue: B14

DATE	DATE
PROGRAMME: TEXT MINING	The guest lecture was about Text Mining. The session started with the importance of
DATE: 20.12.2017	Technology. The guest initially explained about the Data Mining, and comparison between Data
TIME: 12pm - 1 pm	Mining and Text Mining. Then she explained clearly about the complexity and Process of Text Mining.
VENUE: BI4	and how the text are categorized. She also explained about its applications. Entirely, the
NAME: Mrs. Baby Rani, Associate Professor,	session was very interesting and informative. Also we gained some knowledge about Text Mining.
Department of Computer Science, Sti Meenakshi College of Arts and College.	
Madurai	
Ally Laolalia	

Signature

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



Metric : 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



PHP MVC Framework using Codeigniter 21.12.2017

FATIMA COLLEGE (AUTONOMOUS), MADURAI (College with Potential for Excellence) (Re-Accredited with 'A' Grade by NAAC) Mary Land, Madurai - 18.

Department of Commerce with Computer Applications (M.Com with CA)

MCOM CA.COM



Members of MCOMCA.COM Club cordially invite you

for guest lecture on

"PHP MVC Framework using Codeigniter"

Chief Guest: Mr. V. Vignesh. B.E

PHP Developer,

Chrome Software Solution Private Limited,

Madurai

Date : 21.12.2017

Time : 11.00 a.m. to 1.00 p.m.

Venue : Smart Room



DEPARTMENT OF M. COM CA

"PHP MVC Framework using Codeigniter"

Date: 21.12.2017

Place: Smart Room

Number of Participants: 67

Resource Person: Mr. V. Vignesh. B.E

PHP Developer,

Chrome Software Solution Private Limited,

Madurai.

The Department of M.com CA has organized a Guest Lecturer on the title "PHP MVC Framework using Codeigniter" on 21th December 2017 held in Smart Room Fatima College Premises. The programme was started with a prayer song. Ms. Lakshmi Devi of II M.com CA welcomed and introduced the guest of honour to the students. Mr. V. Vignesh gave the guest lecture on PHP MVC Framework using Codeigniter. He gave detailed explanation about PHP. He highlighted the job opportunities of PHP developer.



Ms.Lakshmi Devi introducing the Resource person



Mr. Vignesh gave lecture on "PHP MVC Framework using Codeigniter"





Metric: 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018



Bigdata & Data Science 19.01.2018



We cordially invite you all for the Guest lecture on

"BIG DATA AND DATA SCIENCE"

By

Mr. M. Muthalagu, Professor,

PG. Dept. of CS,

Thiagarajar College, Madurai,

Date: 19.1.2018

Venue: SJ seminar Hall



FATIMA COLLEGE(AUTONOMOUS), MADURAI

PG DEPARTMENT OF INFORMATION TECHNOLOGY

BIG DATA AND DATA SCIENCE

PG Department of Information Technology organised a guest lecture on "Big data and Data Science" was delivered by Mr. M. Muthalagu, Professor, PG. Dept. of CS, Thiagarajar College, Madurai, On Jan. 19, 2018.

OUTCOME: Guest lecture on this topic made our students to realize current trends in IT field.



Anl.

Head
Department of Information Technology
Fatima College
Madurai



Metric: 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



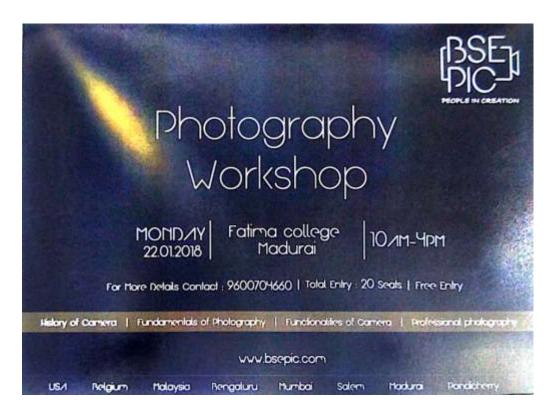
Workshop on 'Photography' 22.01.2018



Department of Journalism and Mass Communication

Details for Awareness of Trends

• **A Workshop on Photography** was conducted on January 22, 2018 for the I BA JMC students. Mr.Prithvi Moses, Creative Head, BSE PIC, Photography, Videography &Advertisement services presented sessions related to photography.





Outcome

• The students learnt the fundamentals and functionalities of professional photography. As this skill is very essential for students who aspire to become photo journalists the acquisition of this will ensure a promising career for the students in the Media Industry.



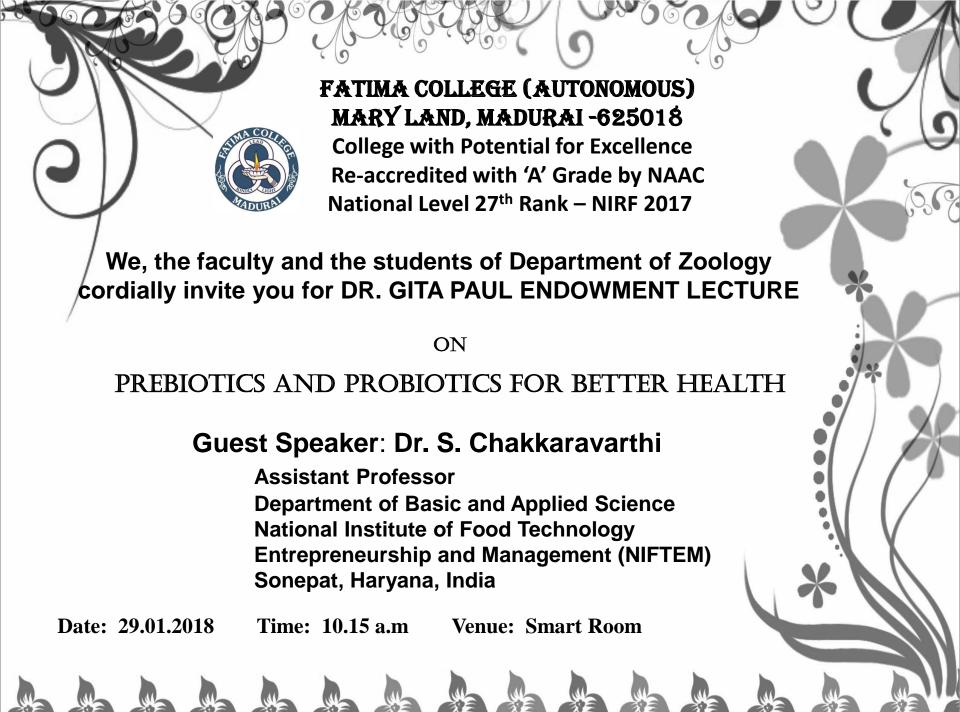


Metric: 5.1.3 - Capacity Enhancement & Skill Development

Year : 2017- 2018



Prebiotics and Probiotics for better Health 29.01.2018



DEPARTMENT OF ZOOLOGY

GUEST LECTURE- REPORT- 29.01.2018

The Department of Zoology organised a guest lecture on "Prebiotics and Probiotics for better Health" on. Dr. S. Chakkaravarthi, Assistant Professor, Department of Basic and Applied Science, National Institute of Food Technology, Entrepreneurship and Management (NIFTEM), Sonepat, Haryana, India delivered the guest lecture. He spoke about the role of probiotic microorganisms in human health.

GUEST LECTURE,

DEPARTMENT OF ZOOLOGY

"Prebiotics and Probiotics for better Health" 29.01.2018



Dr. S. Chakkaravarthi, Assistant Professor, Department of Basic and Applied Science, National Institute of Food Technology, Entrepreneurship and Management (NIFTEM), Sonepat, Haryana, India delivered the guest lecture.

Signature of the HOD

Dr. A. TAMIL SELVI
Head, Dept. of Zoology
FATIMA COLLEGE (AUTONOMOUS)
MADURAI-625 018



Criterion : V - Student Support and Progression

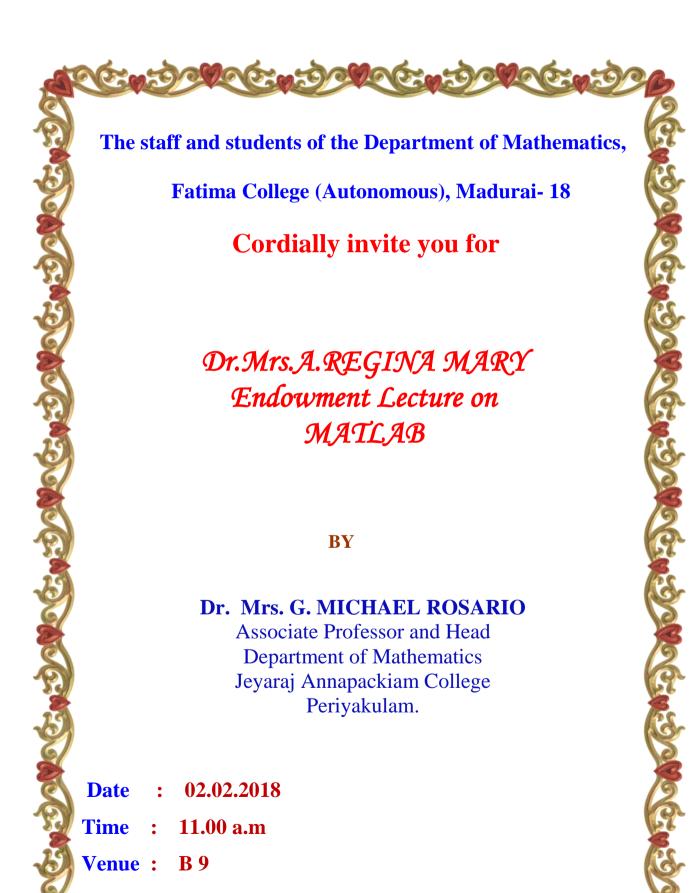
Metric : 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018



Endowment Lecture on MATLAB 02.02.2018

No. of Participants: 73





Fatima College (Autonomous), Madurai – 18

Department of Mathematics

Name of the Event : Dr. Mrs. A. Regina Mary Endowment Lecture

Venue : B 9

Date : 02-02-2018

Resource Person : Dr. Mrs. G. Michael Rosario

Associate Professor & Head

Department of Mathematics

Jeyaraj Annapackiam College

Periyakulam

Number of Participants : 73

The Department of Mathematics organized Dr. Mrs. A. Regina Mary Endowment Lecture on 2, Feb 2018. Dr.Mrs.G.Michael Rosario, Associate Professor and Head, Department of Mathematics, Jeyaraj Annapackiam College, Periyakulam, gave hands on training to the participants on MATLAB. The participants were III B.Sc Mathematics students. Two research scholars accompanied the Resource person with a good presentation. The participants were able to understand the software easily. The participants had Skill Based paper on MATLAB and they performed the practical session excellently.



Hands-on-Experience session on MATLAB

Department of Mathematics

FATIMA COLLEGE

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MARY LAND
MADURAI-625 018.



Criterion : V – Student Support and Progression

Metric : 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018



International Symposium on Biomedical Research: Challenges and Opportunities 07.02.2018

No. of Participants: 734

FATIMA COLLEGE (AUTONOMOUS), MADURAI RESEARCH ADVISORY COMMITTEE (RAC) REPORT

Venue - Jubílee Hall, Fatíma College

Tíme - 3.00 pm





The Research Advisory Committee of Fatima College organized an "International Symposium on Biomedical Research: Challenges and Opportunities" on 7 February 2018. The program began with the invocation of God Almighty. Dr. Vasantha Esther Rani, Head of the Department of Home Science with Food Biotechnology and the Dean of the Research Advisory Committee, Fatima College took the privilege in welcoming the gathering.

The Secretary of Fatima College, Dr. Sr. M. Francisca Flora honored the chief guest Dr. Sakthivel Sadayappan with a shawl and memento. Dr. Vasantha Esther Rani, Head of the Department of Home Science with Food Biotechnology and the Dean of the Research Advisory Committee, Fatima College honored the resource person Dr. Jack Rubinstein with a shawl and memento. Dr. N. Malathi, Associate Professor, Department of Zoology, Fatima College introduced the chief guest and the resource person. Dr. Sr. M. Francisca Flora, the Secretary of Fatima College felicitated the gathering.

The special address was delivered by Dr. Jack Rubinstein, Associate Professor of Medicine, Director, Clinical Research, VA Medical Center, University of Cincinnati, Cincinnati, Ohio, USA. He motivated the participants that we have to combine medical research with society. Sir added that Genetic engineering plays a vital role in discovering heart related issues.

Dr. Jack Rubinstein, Associate Professor of Medicine, Director, Clinical Research, VA Medical Center, University of Cincinnati, Cincinnati





Resource Persons Felicitation and Key Note Address





Dr. Sakthivel Sadayappan, Professor of Medicine, Director, Heart Branch of the Heart,Lung and Vascular Institute, University of Cincinnati, Cincinnati, Ohio, USA delivered the key note address.



Statistical report says that below 40 years of humans are facing death due to heart attack. First the researchers should be aware of finding out answers for various questions like

Curiosity

Perseverance

Dr. Sakthivel Sadayappan, Professor of Medicine, Director, Heart Branch of the Heart, Lung and Vascular Institute, University of Cincinnati, Cincinnati, Ohio, USA delivered the key note address. His speech was motivational and he boosted the self-confidence of the participants through his own life experiences. Sir also added that researchers should decide and choose the career first to be success in their life. He also briefed what are all the various scholarships and sponsorship available to pursue further studies and research in abroad. According to heart research survey, 24% die within 1 year of diagnosis and 50% die within 5 Years of diagnosis. To become successful in your career ample of opportunities are available to avail projects and fellowships.

It was followed by an interactive session where the guest speakers clarified the doubts of the participants. Secretary sister concluded by appreciating the resource persons and everyone should keep this in mind "We have to be better human being first" to do good to the society.

Dr. Mary Magdalene Abraham, Associate Professor, The research Centre of English, and the Head of the Department of English (SF) proposed the vote of thanks. Ms. R. N. Gnanammal, Ph.D Research Scholar in English and the President of Student Research Forum, Fatima College and Ms. S. Pradeepa, a student of II B.Sc., Home Science with Food Biotechnology, and the Secretary of Student Research Forum, Fatima College mastered the ceremony.

Dean

Research Advisory Cell Fatima College, Madurai

Marante E Rai



Criterion : V - Student Support and Progression

etric: 5.1.3 – Capacity Enhancement & Skill Development

Year : 2017- 2018



The Wonders of Universe – An Astronomical Perspective 08.02.2018

No. of Participants: 75





FATIMA COLLEGE (Autonomous)
College with Potential for Excellence
Re-Accredited with 'A' grade by NAAC
Mary land, Madurai - 18.

UG & PG PHYSICS ASSOCIATION GUEST LECTURE

By

Dr. E. Ebenezer
Scientist
Indian Institute of Astrophysics
Kodaikanal Solar Observatory
Kodaikanal

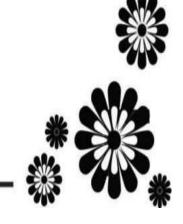
On"The Wonders of Universe – An Astronomical Perspective"

All are welcome

Date:08.02.2018

7ime: 11 am

Venue: A2





Fatima College (Autonomous), Madurai 18 Department of Physics

Date: 08.02.2018

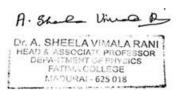
We live in an exciting era for cosmology. Although ingenious and profound cosmological theories have been proposed throughout history and across cultures, only relatively recently have astronomers been able to start figuring out which theories are actually right—and to discover that there are new puzzles to be solved. Dept. of Physics organized a guest lecture on "The Wonders of Universe – An Astronomical Perspective".

Dr. E. Ebenezer, *Scientist, Indian Institute of Astrophysics, Kodaikanal Solar Observatory, Kodaikanal*, gave <u>THIS LECTURE ON 8TH FEBRUARY 2018 IN THE PREMISES OF FATIMA COLLEGE.</u> His lecture was indeed very resourceful with answers to many puzzling questions of cosmology like What is the nature of the universe as a whole, and how did it come to be as it is now? Did it have a beginning in time, or has it undergone cycles of birth and destruction? Is the cosmos infinite in its extent? Are the laws of nature the same everywhere?

Around 75 of the students participated in this event and listened to this lecture and got benefitted out of it.

Dr. E. Ebenezer, Scientist, Indian Institute of Astrophysics, Kodaikanal Solar Observatory, Kodaikanal





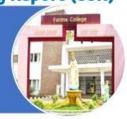
NAAC - 4th CYCLE - Self Study Report (SSR)



Criterion : V - Student Support and Progression

Metric : 5.1.3 - Capacity Enhancement & Skill Development

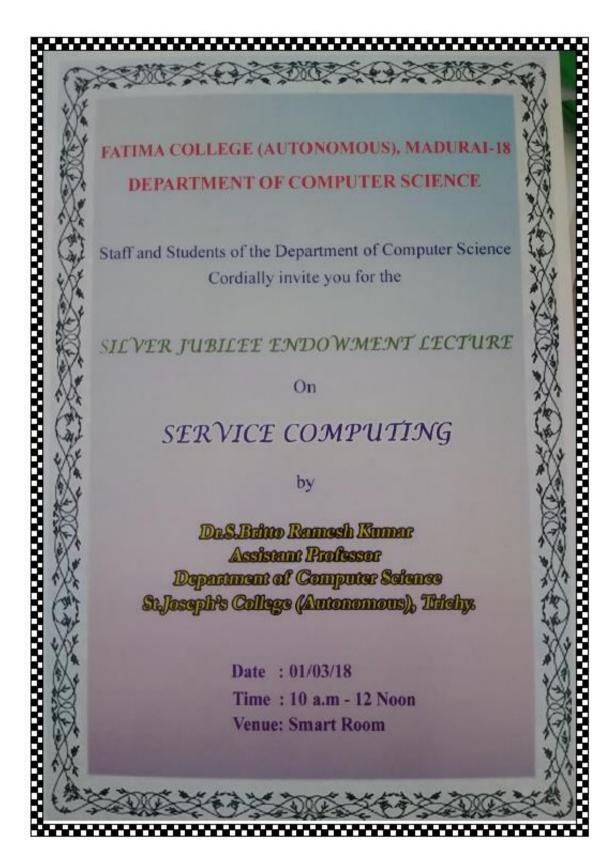
Year : 2017- 2018



AWARENESS OF TRENDS IN TECHNOLOGY SERVICE COMPUTING

01.03.2018

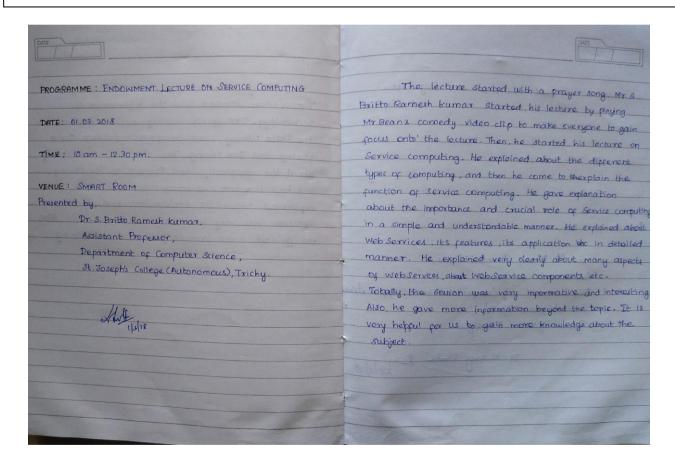
S. NO.	PARTICULARS	NO. OF PARTICIPANTS
1	III UG COMPUTER SCIENCE	48
2	II UG COMPUTER SCIENCE	52
3	II PG COMPUTER SCIENCE	25
	TOTAL	125







Speaker: Dr.S.Britto Ramesh Kumar, Asst. Professor, Dept. of CSC, St.Joseph College, Trichy Topic: Service Computing





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 : 2017- 2018



Short Film- Frame To Fame 21.03.2018

No. of Participants: 53



FATIMA COLLEGE (Autonomous), MADURAI

The Research Centre of English

Release of Short Films "Pachathundu" and "Frame to Fame"

Date : 21.03.2018

Time : 10 to 11.30 a.m.

Venue : Jubilee Hall

Name of the Organizers : The Research Centre of English, Fatima College (Autonomous)

Participants : Staff and Students – The Research Centre of English

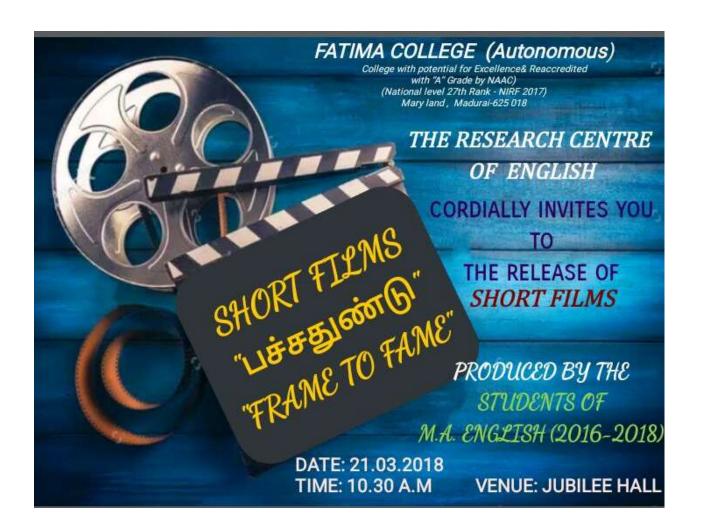
Title/Topic of the activity : Release of Short Films "Pachathundu" and "Frame to Fame"

Speaker's name : Mr. P. Krishnamurthy

Team Lead, DHAN Foundation

Madurai

INVITATION



REPORT

A short film release function was organised by the students of II M.A English in the premises of Jubilee Hall at Fatima College on 21.03.2018. Two short films namely "Pachathundu" and "Frame to Fame" were successfully released and screened for the audience. So far, the students have produced documentary films and this occasion is the first of its kind in the Research Centre of English. The Chief Guest of the occasion was Mr. P. Krishnamurthy, Team Lead, Dhan Foundation, Madurai.

The programme started with a hymn to the Almighty. The Secretary Sr. M. Fransisca Flora and the Principal Dr. G. Celin Sahaya Mary appreciated the new venture of the students and blessed them. Dr. V. Christi Shanthi, Associate Professor of English presented the introductory note. Mr. P. Krishnamurthy released the short films and the first copy of the Short Film "Frame to Fame" was received by the Secretary and the first copy of "Pachathundu" was received by the Principal. The Films were screened for the audience. "Frame to Fame" depicts the tale of women who break free their shackles to achieve success while "Pachathundu" centres on preserving our traditional agriculture. Mr. P. Krishnamurthy, in his chief guest address, made a note of the exemplary movies depicting social problems and how they make an impact upon the audience. Congratulating the students' endeavours on the production of the short films, he mentioned that women should take up responsible roles as directors, editors in the film industry. The students shared their memorable experiences with the audience. The films were appreciated by the spectators.

Photo Gallery:



The Short Film "Frame to Fame" was released by the Secretary Dr. Sr. M. Francisca Flora and received by Mr. P. Krishnamurthy, Project Lead, DHAN



The Short Film "Pachathundu" was released by the Principal Dr. Sr. G. Celine Sahaya Mary and received by Mr. P. Krishnamurthy, Project Lead, DHAN



The Team that cherished its Dream



Mr. P. Krishnamurthy, Project Lead, DHAN, highlighting the impact of Films on Society

Media Flash:

*"Dinamalar" dated 23 March 2018

குறும்படங்கள் வெளியீடு மதுரை பாத்திமா கல் லூரியில் ஆங்கில முது கலை துறை மாணவியர் சார்பில் தயாரிக்கப்பட குறும்படங்கள் யீட்டு விழா நடந்தது. விவசாயத்தின் முக்கியத் துவத்தை வலியுறுத்தும் 'பச்சதுண்டு', பெண்கள் முன்னேற்றம் பிரேம் டூ பேம்' சிஸ்கா புளோரா, முதல் வர் செலின் சகாயமேரி வெளியிட்டனர். பேரா சிரியை சிருஷ்டி சாந்தி முன்னிலை வகிக்கார். குறும்படங்கள் அறக்கப ட அலுவலர் கிருஷ் ணமூர்த்தி பேசினர். ஒருங்கிணைப்பாளர்கள் போசிரியைகள் சக்தீஸ்வரி, சாரதா விழா ஏற்பாடுகளை செய்தனர்.

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 : 2017- 2018



AWARENESS OF TRENDS IN TECHNOLOGY

INTRODUCTION TO BIG DATA

28.03.2018

S. NO.	PARTICULARS	NO. OF PARTICIPANTS
1	III UG COMPUTER SCIENCE	48
2	II UG COMPUTER SCIENCE	52
3	II PG COMPUTER SCIENCE	25
	TOTAL	125



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

Introduction to Big Data Analytics

by

Dr.M.Mary Shanthi Rani

Assistant Professor Department of Computer Science & Applications Gandhigram Rural Institute- Deemed to be University Gandhigram, Dindigul.

Date : 28/03/18

Time: 11.30 - 12.30 p.m

Venue: B14



Speaker: Dr.M.Mary Shanthi Rani, Assistant Professor, Dept. of CSC & Application,

Gandhigram Rural Institute –Deemed Universey Topic: Introduction to Big Data Analytics

DATE	DATE
	The Locture Started with a prayer
PROGRAMME: Cluest Lecture on Big Data	Song. In Many Shanthi Rani staxted to
Malytics	locust by giving small knowledge and
DATE: 28.03.18	Recollecting about data and information
TIME: 11.30-1.00 pm	Lockuse goes on with the Big Data details. Chasacteristics of Big Data, Sources of
VENUE: B14	how to handle the Big Data Sources.
the way to the time of the terms of the terms of	The Strategies in Big Data Analytics were
Presented By,	explained in a understandable mounter.
Dr. M. Mary Shanthi Rani,	On the Whole, the session was very informative
Assistant professor	and innovative in all the aspects. Through the session we have got very big knowledge
Department of Computer Science & Application	about Big Data'.
Gandhigram Rusal	
Gandhigsam, Dindigul.	A V V
M. Mary 8- 12 Rom 28/3/18	6 MM



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