



**MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA
(MACFAST)**



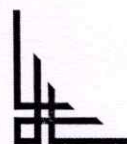
MACFASTTM
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**Report on Professional club Activities
2016-17 to 2020-21**



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA(MACFAST)

Tiruvalla, Pathanamthitta, Kerala 689 101



Year wise report of professional club activities

DEPARTMENT OF COMPUTER APPLICATIONS

CSI REPORT 2016-2021

YEAR :2016

1. Report of KSCSTE Sponsored National Seminar on “Recent Research Opportunities in Computer science and its Applications” on 5th and 6th September 2016.

The two day National Seminar on "Recent Research Opportunities in Computer science and its Applications" was held on September 5th & 6th, 2016. The seminar proved to be a meeting ground for MCA Students, Research Scholars and Faculty to exchange their experiences, knowledge, queries and insights. It was as an effective platform for all the concerned stakeholders to introspect about the numerous challenges and dilemmas in computer science. The seminar started with a brief inaugural session in which the Principal Rev. Fr. Pradeep Vazhatharamalayil presided. Dr. M. S. Samuel, Convener (Director, Dept. of Computer Applications), welcomed all the resource persons, dignitaries, delegates and participants, and gave a brief account of the aim and purpose of the National Seminar. Dr. K. Poulouse Jacob, Pro Vice – Chancellor, Cochin University of Science and Technology inaugurated the seminar with his technical speech., Dr. Shiny Jose, Chapter Secretary, Kerala Mathematical Association, Prof. Sanesh Varghese, Deputy Director, MACFAST, Prof. Tiji Thomas, HOD, Dept. of Computer Appl., and Dr. Nishad P. M. (joint convener) spoke on the occasion.

The first session "Recent Research Opportunities in Cyber Security" started at 10.45 am by Dr. Jiju A. Mathew, Associate Prof. & Head, Dept. of Computer Science, St. Thomas College, Thrissur and he emphasized the need of security in the Cyber world. This session was chaired by Dr. M.S. Samuel. Next session started at 12.00 pm by Dr. Sunil Jacob John, Associate Prof., Dept of Mathematics, NIT Calicut on "Recent Research Opportunities in Soft Set, Multiset and its Applications to Computer Science" He introduced the concepts of these theories along with their applications to different areas of



Computr applications.Dr. V. Sundarapandian, Prof. & Dean, R & D Center, Vel Tech University, Chennai chaired the session.

The third session started at 2.00 pm and the speaker was Dr. M.V Judy, Associate Prof. & Head, Dept. of Computer Science & IT, Amrita School of Arts & Sciences, Kochi. Her talk was based on "Recent Research Opportunities in Computational Biology" and she discussed different research areas of computational biology. Dr. Nishad P M, Associate professor, Department of computer Applications, chaired this session. The resource person for the fourth session (3.30 – 4.45 pm) on "MATLAB" started at 3.30 pm by Dr. V. Sundarapandian". This session was also chaired by Dr. M.S. Samuel, Prof. and Director, Department of Computer Applications.

The second day of the seminar began with technical session based on the sub theme entitled "Recent Research Opportunities in Image Processing" and Dr. B.H Sekhar, Prof. & Head, Dept. of Computer Science, Mangalore University, Mangalore. This session was also chaired by Dr. V. Sundarapandian. First session was completed at 11.00 am and remaining session of National seminar was handled again by Dr. V. Sundarapandian Prof. & Dean, R & D Center, Vel Tech University, Chennai. The session emphasized on hands on of Math lab and that was very much useful for researchers as well as students. At the end of the Seminar, the **Valedictory session** was held at 3.30 pm. which was chaired by Dr. M.S. Samuel, Convener of the seminar and **Dr. R. Vijayakumar**, Director, College Development Council, Mahatma Gandhi University was the chief guest who distributed the certificates to the participants and emphasized the need of holding seminars like this. The Joint Convener Dr. Nishad P M proposed the vote of thanks to the KSCSTE, the principal, management resource persons, guests and all faculty members and students of the Department of Computer Applications for their cooperation for making this event a success.

International Research Workshop On "Coding Theory And Fractals With The Applications To Computer Science And Engineering" On 15th,16th& 17th December 2016.

The three- day International Research Workshop on "**Coding Theory and Fractals with the Applications to Computer Science and Engineering**" being organized by MACFAST, Tiruvalla jointly with Departments of Computer Science, Engineering and Mathematics, Providence College of Engineering, Chengannur ,Computer Society of India and the Kerala Mathematical Association, from **15th,16th& 17th December 2016.**



The function was inaugurated by Dr. Suresh Das [Executive Vice-President, KSCSTE]. He spoke about the influence and challenges of Coding Theory and Fractals with the applications in this generation and its scope in research

The meeting was presided over by Rev. Fr. Pradeep Vazhatharamalayil, Principal, MACFAST. Convener of the workshop Dr. M S Samuel [Director Department of Computer Applications, MACFAST], Dr. K.G Balakrishnan [Director Providence College of Engineering], Dr. Santhosh P Mathew [Principal, Providence College] also felicitated the gathering.

The resource persons **Prof. Helmut Jurgensen [Department of Computer Science, University of Western Ontario]** and **Prof. Andrei Tetenov [Department of Mathematics, GornoAltaisk state university]** are leading the workshop.

The first day session was handled by Prof Andrei Tetenov. During the session he gave an introduction to fractals, how fractals are generated and how to find the formula for fractal dimensions. Several examples were also given regarding the topics.

The second day session was taken by Prof. Helmut Jurgensen on the topic coding theory. During this session he covered the practical applications of coding theory in Computer Science and Mathematics.

The third day session was taken by Prof. Helmut Jurgensen .During the session he delivered the importance of **Coding Theory and its applications to Engineering”** .

At the end of the Workshop was at Providence College, Chengannur. The **Valedictory session** was held at 3.30 pm. which was chaired by Dr. K.G Balakrishnan [Director Providence College of Engineering]. Welcome speech was delivered by Dr. Santhosh P Mathew [Principal, Providence College of Engineering]. Rev. Fr. Pradeep Vazhatharamalayil [Principal, MACFAST] and Mrs. Ane Thomas [Executive Director, Providence College of Engineering] were felicitated the gathering. Dr. M S Samuel [Director Department of Computer Applications, MACFAST] and Dr. Mathews M George [Head, Providence College of Engineering] who distributed the certificates to the participants and emphasized the need of holding workshops like this. The Joint Convener Dr. Nishad P M proposed the vote of thanks to the principals, management resource persons, guests and all faculty members and students of the both colleges for their cooperation for making this event a grant success.

List of Outreach programmes conducted under the banner of CSI and UNAIE-: 2016



-2017

Sl No:	Date	College	Course	No:of students	Topics covered
1	29 th and 30 th June 2016	St. Thomas College Kozhencherry	Bsc CS	30	PHP & MySQL
2	19 th and 20 th July 2016	UIT Adoor	Bsc CS	35	PHP & MySQL
3	22 nd and 23 rd July 2016	PGRMSN College Channanicadu	BCA	34	PHP & MySQL
4	28 th and 29 th July 2016	IHRD, Adoor	Bsc CS	46	PHP & MySQL
5	4 th and 5 th August 2016	St. Mary's College For Women Thiruvalla	Bsc CS	88	PHP & MySQL
6	10 th August 2016	DB Parumala	BCA Bsc Physics Bsc Mathematics	41	Introduction to C/C++ and Career Guidance Seminar
7	31 st August 2016	IHRD, Karthikappally	Bsc CS	46	PHP & MySQL
8	22 nd September 2016	Christian College Chengannur	Bsc Physics Bsc Mathematics	74	Introduction to C/C++ and Career Guidance Seminar
9	28 th October 2016	IHRD, Adoor	Bsc CS	42	PHP & MySQL
10	9 th November 2016	IHRD, Mavelikkara	Bsc CS	40	PHP & MySQL
11	9 th December 2016	SB College Chaganassery	BCA	45	PHP & MySQL
12	18 th January 2017	PMG Parumala	BCA	35	PHP & MySQL
13	20 th January 2017	IHRD, Mallappally	Bsc CS	38	PHP & MySQL
14	31 st January 2017	SB College Chaganassery	BCA	35	PHP & MySQL
15	16 th February 2017	IHRD, Karthikappally	BCA	30	PHP & MySQL



YEAR :2017

Seminar on Entrepreneurship Awareness

A seminar on “Entrepreneurship Awareness” organized by District Industry Department Pathanamthitta in association with Department of Computer Applications , MACFAST ,Tiruvalla on 21st February 2017. The session based on ‘IT Industry’ and ‘Entrepreneurship’. It is very informative to the students.

Report of KSCSTE Sponsored National Workshop on PHP/MySQL Programming on 8th and 9th June 2017

The two day Workshop on ”PHP Programming” was held on 8th& 9th June 2017. We organized by MACFAST, Tiruvalla jointly CSI and UNAI. The workshop was conducted by Mr. Tiji Thomas, Associate Professor, Dept. of Computer Applications.

The workshop was covered all the basic concepts of PHP/MySQL Programming. The workshop was inaugurated by Dr. M. S. Samuel, Convener (Director, Dept. of Computer Applications). Mrs. Vidhya V Kumar, Assisstant Professor, Department of Computer Applications welcomed all the resource persons, dignitaries, delegates and participants, and gave a brief account of the aim and purpose of the National Workshop. Around 100 participants were participated from various colleges.

Report of KSCSTE Sponsored National Workshop on Python Programming on 7th and 8th December 2017

The two day National Workshop on ”Python Programming” was held on 7th & 8th December 2017. We organized by MACFAST, Tiruvalla jointly with KSCSTE and CSI and UNAI. The resource person Mr. Tiji Thomas, Associate Professor, Dept. of Computer Applications

The objective of this workshop is to enrich the basic knowledge of student in Python for those who are presuming their graduation. It was as an effective platform for all the concerned stakeholders to introspect about the numerous challenges and dilemmas in computer science. The workshop started with a brief inaugural session in which the Principal Rev. Fr. PradeepVazhatharamalayil presided. Dr. M. S. Samuel, Convener (Director, Dept. of Computer Applications), welcomed all the resource persons, dignitaries, delegates and participants, and gave a brief account of the aim and purpose of the National Workshop. Around 150 participants were participated from various colleges.



List of Outreach programmes conducted under the banner of CSI and UNAIE : 2017-2018

Sl.No	Date	College	Course	No:Of Students	Topics Covered
1.	14/07/2017	IHRD, Puthuppally	BSC CS	40	PHP & MYSQL
2.	19/07/2017	BCM, Kottayam	BSC CS	35	PHP & MYSQL
3.	24/07/2017	VNS ,Konni	BSC CS,BSC IT	34	PHP & MYSQL
4.	02/08/2017	K E College,Mannam	BSC CS, BSC COMPUTER APPLICATIONS(TRIPLE MAIN)	16	PHP & MYSQL
5.	04/08/2017	Naipunya School OF Management, Cherthala	BCA,BSC CS	64	PHP & MYSQL
6.	09/08/2017	Assumption College Chaganacherry	BCA	34	PHP & MYSQL
7.	28/09/2017	UIT,Kottarakkara	BCA	43	PHP & MYSQL
8.	06/10/2017	SNGM, Cherthala	BSC CS,BCA	65	PHP & MYSQL
9.	19/10/2017	UIT,Adoor	BSC CS		PHP & MYSQL
10.	04/11/2017	IHRD,Kathikappally	BCA	36	PHP & MYSQL
11.	09/11/2017	BCM ,Kottayam	BCA	28	PHP & MYSQL
12.	22/11/2017	Mar ThomaCollege,Thiruvalla	BSc Mathematics	20	Programmin in C
13.	23/11/2017	IHRD,Mallappally	BSC CS	21	PHP & MYSQL
14.	04/12/2017	Nilgiri College ,Thaloor	BSC CS	30	PHP & MYSQL
15.	16/02/2018 & 17/02/2018	Gems College, Malappuram	BSC CS	30	PHP & MYSQL
16.	22/02/2018 & 23/02/2018	Taliparamba Arts and Science College,Taliparamba	BSC CS	50	PHP & MYSQL
17.	5/10/2018 & 6/10/2018	Nilgiri College ,Thaloor	BSC CS &BCA	85	Python Programmin



YEAR : 2018

PHP/MySQL TWO-DAYS WORKSHOP

Department of Computer Applications conducted Two- Days Python workshop on 28th& 29th of November 2018. 40 UG students from outside three colleges – St. Marys College for Women Tiruvalla, College of Applied Science Karthikapally, Assumption College (Autonomous) Changanasherry, participated in the workshop. Mr. Tiji Thomas, Head of Department, Department of Computer Applications was the resource person for two-day workshop which consisted of theory classes and practical session.

PHP/MySQL WORKSHOP

Department of Computer Applications conducted PHP/MySQL workshop at FathimaMatha College Kollam on 6th& 7th December 2018. 60 UG students from two colleges – FathimaMatha College &Marthoma College participated in the workshop. Mr. Tiji Thomas, Head of Department, Department of Computer Applications, MACFAST was the resource person for the workshop which consisted of theory classes and practical sessions.



YEAR : 2019

PYTHON TWO-DAYS WORKSHOP

Department of Computer Applications conducted Two- Days Python workshop on 14th & 15th

of January 2019. 52 UG students from outside two colleges – St. Thomas College Kozhencherry, University Institute of Technology Adoor & Baselious College, participated in the workshop. Mr. Tiji Thomas, Head of Department, Department of Computer Applications was the resource person for two-day workshop which consisted of theory classes and practical sessions.

PYTHON TWO-DAYS WORKSHOP

Department of Computer Applications conducted Two- Days Python workshop on 24th & 25th of January 2019. 63 UG students from outside two colleges – Christian College Chenganoor, Bishop Moore College Mavelikara, the students of Department of Bioscience, MACFAST and faculties from different colleges participated in the workshop. Mr. Tiji Thomas, Head of Department, Department of Computer Applications was the resource person for two-day workshop which consisted of theory classes and practical sessions. The workshop started with the inaugural ceremony.

Python Two Days Workshop

Python Two Days Workshop was conducted on 14th & 15th of February 2019. 52 UG students from St. Thomas College Kozhencherry, UIT Adoor & Baselious college participated in the workshop. Mr. Tiji Thomas, HoD, Department of Computer Applications was the resource person.



**REPORT OF INTERNATIONAL SEMINAR ON “ARTIFICIAL
INTELLIGENCE”
[BRAIN ON CHIP:AI-HARDWARE & SOFTWARE CODE DESIGN]
CONDUCTED BY DEPARTMENT OF COMPUTER APPLICATIONS ON 17th
JULY, 2019**

The Department of Computer Applications organized a one day international seminar on ‘Artificial Intelligence [Brain on chip: AI Hardware & Software Code Design]’ in association with CSI, UNAI and Kerala Mathematical Association.

The seminar took place in the college auditorium in the presence of Dr. Rajiv Dharaskar, Director of IIIT, Kottayam and Dr. Alex Pappachen James, HoD, Electrical Engineering of Nazarbayev University, Kazakstan. More than 150 participants including students and faculties from other colleges participated in the seminar

The first session started off with a prayer followed by the introductory speech by Dr. M. S Samuel, Director, Department of Computer Application. The presidential address was delivered by Fr. Dr. Cherian J Kottayil. Dr. Rajiv Dharaskar, mentioned a brief summary about AI in his keynote address. He included in his speech the emerging trends and associated research fields.

Dr. Alex Pappachen James who works on brain-inspired circuits as well as algorithms and systems took the sessions. He started the session by showcasing the different real time applications to aware the students about the power of imagination. In his first session, he discussed the following topics:

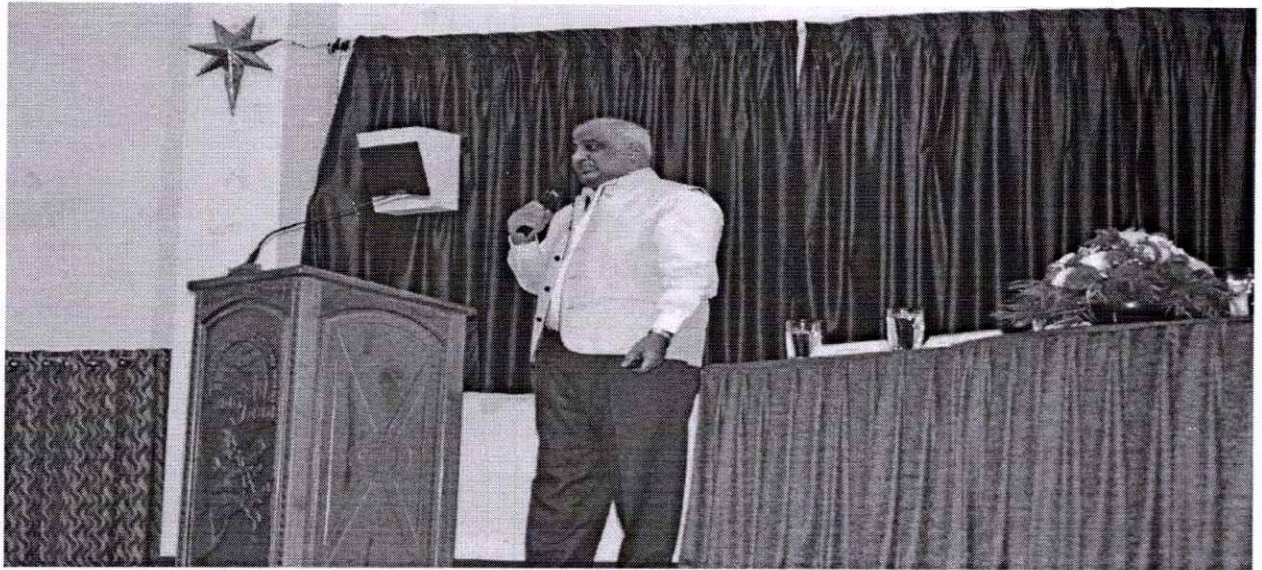
- Human brain
- Introduction to deep learning
- Hardware in memory computing
- Human brain interfaces
- AI on edge

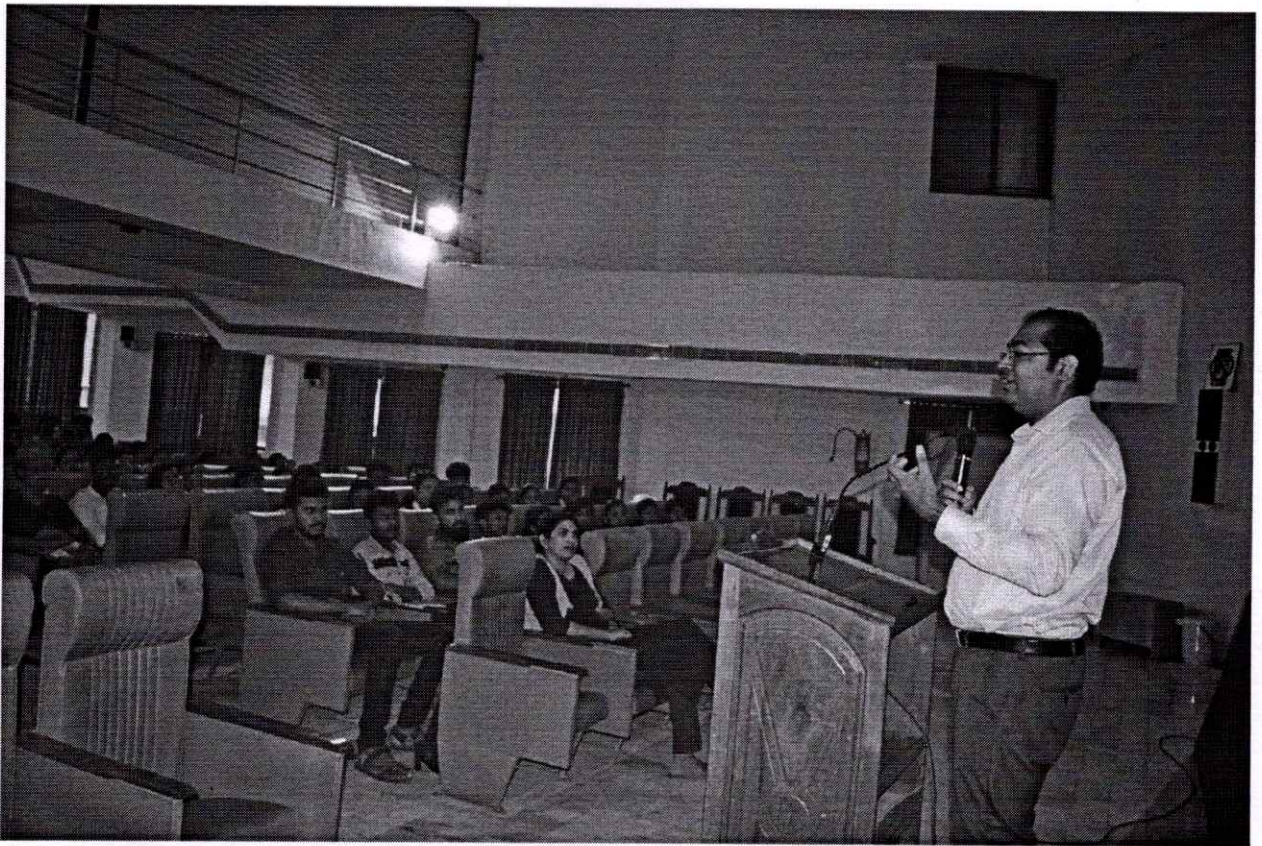
The categories into which AI can be divided and the importance of Machine Learning, Deep Learning, etc., were highlighted.

The session included the basics of Neural Networks as it is the best approximator to mathematically approximate various functions. The history of Neural Networks starting from 1943 presented enabled the participants to better understand the evolution of Neural Networks. The Applications of Deep Learning and Neural Networks were explained.



In the concluding session, Dr. M. S. Samuel gave a remark about the seminar, after which certificates were distributed to all the participants. Dr. Terry Jacob Mathew conveyed the vote of thanks.





**REPORT OF SEMINAR ON “IoT& BLOCKCHAIN TECHNOLOGY”
CONDUCTED BY STEVE JOBS CLUB DEPARTMENT OF COMPUTER
APPLICATIONS
ON 2nd AUGUST, 2019**

The Department of Computer Applications in association with Steve Jobs Club organized a seminar on the topic “IoT&Blockchain Technology” by Mr. Manoj Kumar. G. S, Microsoft Certified Professional and an experienced Project Manager. The programme took place on 2nd August, 2019 in the college auditorium in the presence of Prof. Varghese Abraham, Administrator, MACFAST and Mr. Tiji Thomas, Head of Department.

Students from Department of Computer Applications and Bioinformatics attended the session. The session started by welcoming the Speaker.

The speaker focused on the basics of IoT and Blockchain Technologies. He started the session by focusing on the evolution of these emerging technologies. The real time examples proved the relevance and importance of IoT and Blockchain. The different ways through which IoT could be implemented in the campus showed beyond doubt that these technologies should not be kept apart but be used effectively. The important topics discussed:

- Basics of IoT
- Evolution of IoT
- Iot Everywhere
- Current status & Future Prospect of IoT
- Applications of IoT
- IoT Architecture Layers
- Basics of Blockchain
- Blockchain evolution
- Bitcoin- basics, mining, bitcoin value etc.,

The real time applications of IoT made it better for students to understand the topic.

The basics of Blockchain were included in the seminar. The Bitcoin topic included was more interesting as its always a portion, people are more interested to know about. The simple illustration of how bitcoin works made it easier to understand the concept. The session gave the students an idea about the importance of emerging trends and their applications.

Finally, the vote of thanks was delivered by Mr. Tiji Thomas, HoD, Department of Computer Applications.



DEPARTMENT OF COMPUTER APPLICATIONS
MACFAST

Steve Jobs Club Presents

**“IoT
BLOCK CHAIN TECHNOLOGY”**

2nd August, 2019
2.00pm - 4.45pm

Talk by

MR. MANOJ KUMAR. G. S

Microsoft Certified Professional



PHP/MySQL WORKSHOP

Department of Computer Applications conducted PHP/MySQL workshop on 8th of August 2019. 32 UG students from outside two colleges –UIT Adoor and Assumption College Changanacherry participated in the workshop. Mr. Tiji Thomas, Head of Department, Department of Computer Applications was the resource person for the workshop which consisted of theory classes and

practical sessions. The workshop was planned to be conducted on two days. But due to unexpected holiday, the workshop was conducted on one day. The workshop started with the inaugural ceremony.

SCIENTIFIC COMPUTING WITH PYTHON-3

Department of Computer Applications conducted Two- Days Scientific Computing with Python-3 workshop at Marthoma College, Thiruvalla on 3rd and 4th December 2019. Dr. M. S. Samuel, Director and Mr. Tiji Thomas, Head of Department, Department of Computer Applications were the resource persons for two-day workshop which consisted of theory classes and practical session.



YEAR :2020

INTRODUCTION TO MACHINE LEARNING WORKSHOP

Department of Computer Applications conducted One- Day “Introduction to Machine Learning” workshop at Assumption College, Changanassery on 17th February, 2020. Dr. Terry Jacob Mathew, Associate Professor, Department of Computer Applications was the resource person for the workshop. Although machine learning is a field within computer science, in the webinar resource person explained how ML differs from traditional computing.

PHP/MySQL WORKSHOP

Department of Computer Applications conducted online PHP/MySQL workshop for UIT Adoor from 8th to 13th May, 2020. 25 UG students participated in the workshop. Mr. Tiji Thomas, Head of Department, Department of Computer Applications was the resource person for the workshop which consisted of theory classes and practical sessions.

PYTHON WORKSHOP

Department of Computer Applications conducted online Python workshop for IHRD Karthikapally on 10th July, 2020. 52 UG students participated in the workshop. Mr. Tiji Thomas, Head of Department, Department of Computer Applications, MACFAST was the resource person for the workshop which consisted of theory classes and practical sessions.

PYTHON DATA STRUCTURES AND DATA SCIENCE WORKSHOP

Department of Computer Applications conducted online Python Data Structures and Data Science workshop for SNDP Yogam Arts and Science College on 15th September, 2020. 60 UG students participated in the workshop. Mr. Tiji Thomas, Head of Department, Department of Computer Applications, MACFAST was the resource person for the workshop which consisted of theory classes and practical sessions.



School of Biosciences

ASPIC CLUB REPORT 2019

The School of Biosciences at Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST) has started an Antibiotic Stewardship and Prevention of Infection in Communities (ASPIC) Club in association with the Sweden-based React Asia Pacific at the college. The 14th club of the ASPIC network was proudly inaugurated on 11th December 2019 in association with School of Biosciences, Mar Athanasios College for Advanced Studies (MACFAST). The co-ordinator of the club was Ms. Samitha Sara Abraham, Assistant Professor, School of Biosciences. The inauguration was presided by the head of the institution and was conducted in the premises of the campus.



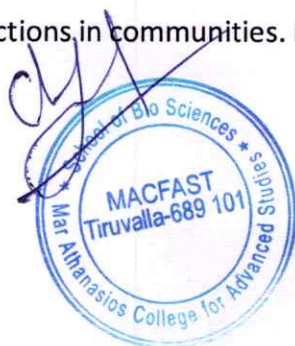
ASPIC Club inauguration at Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST), Kerala, India. Fr. Dr. Cherian J Kottayil, MACFAST Principal, inaugurated the club. Philip Mathew, Physician and React Asia Pacific Consultant, delivered the keynote address on antibiotic resistance on the occasion.



The audience was welcomed by Mr. Biju Dharmapalan, Head, School of Biosciences, MACFAST and expressed his immense pleasure in the club being inaugurated in association with School of Biosciences. The club was formally inaugurated by Fr. Dr. Cherian J Kottayil, Principal MACFAST and was followed by a seminar on 'Global Impact of Antibiotic Resistance' by Dr. Philip Mathew, Consultant, ReAct Asia Pacific. The seminar involved sessions on antibiotic resistance and its related drivers. Dr.Philip said ReAct is one of the first international independent networks to articulate the complex nature of antibiotic resistance and its drivers. He said the non-governmental organisation headquartered at the University of Uppsala in Sweden was launched with the goal to be a global catalyst advocating and stimulating global engagement on antibiotic resistance by collaborating with a broad range of organisations, individuals and stakeholders. He said antibiotic resistance is estimated to result in 10 million deaths every year globally by 2050. According to him, the reckless overuse of antibiotics has resulted in the evolution of the resistant superbugs.



He spoke on the misuse of antibiotics in human, animal and environment sectors, contributing to increasing resistance rates. An introduction to the ASPIC initiative was also given on the various activities that can be taken up by the students in spreading awareness on antibiotic resistance and measures for preventing infections in communities. Mr. Vishal Philip Sam, Consultant, ReAct Asia



Pacific also gave a brief on the community engagement initiatives of ReAct in addressing the issue. Questions were invited from the audience and discussions entailed around the use of antibiotics in human and animal health sectors. Mr. Saneesh P Varghese, Deputy Director, MACFAST felicitated the occasion with his comments on the importance of the issue and prevalence of it in the society. The sessions ended with Mr. Lijo Cyril proposing the vote of thanks on behalf of the network and thanking the college and management for the support given.

Expert stresses need to check antibiotics abuse

'Overuse of antibiotics has created resistant superbugs'

SPECIAL CORRESPONDENT
ATHANASIOUS

The School of Biosciences at the Mar Athanasios College for Advanced Studies Thiruvalla (MACFAST) has started an Antibiotic Stewardship and Prevention of Infection in Communities (ASPIC) club in association with the Sweden-based ReAct Asia Pacific at the college on Wednesday.

Fr Cherian J Kottayil, MACFAST Principal, inaugurated the club. Philip Mathew, physician and ReAct Asia Pacific consultant, delivered the keynote address on antibiotic resistance on the occasion.

Complex nature
Dr. Philip said ReAct is one of the first international independent networks to articulate the complex nature of antibiotic resistance and its drivers. He said the non-



Fr Cherian J Kottayil, MACFAST Principal, inaugurating the ASPIC Club at the college in Thiruvalla on Wednesday.

governmental organisation headquartered at the University of Uppsala in Sweden was launched with the goal to be a global catalyst advocating and stimulating global engagement on antibiotic resistance by collaborating with a broad range of organisations, individuals and stakeholders. Dr Philip said antibiotic resistance is estimated to result in 10 million deaths every year globally by 2050. According to him, the reckless overuse of antibiotics has resulted in the evolution of the resistant superbugs.

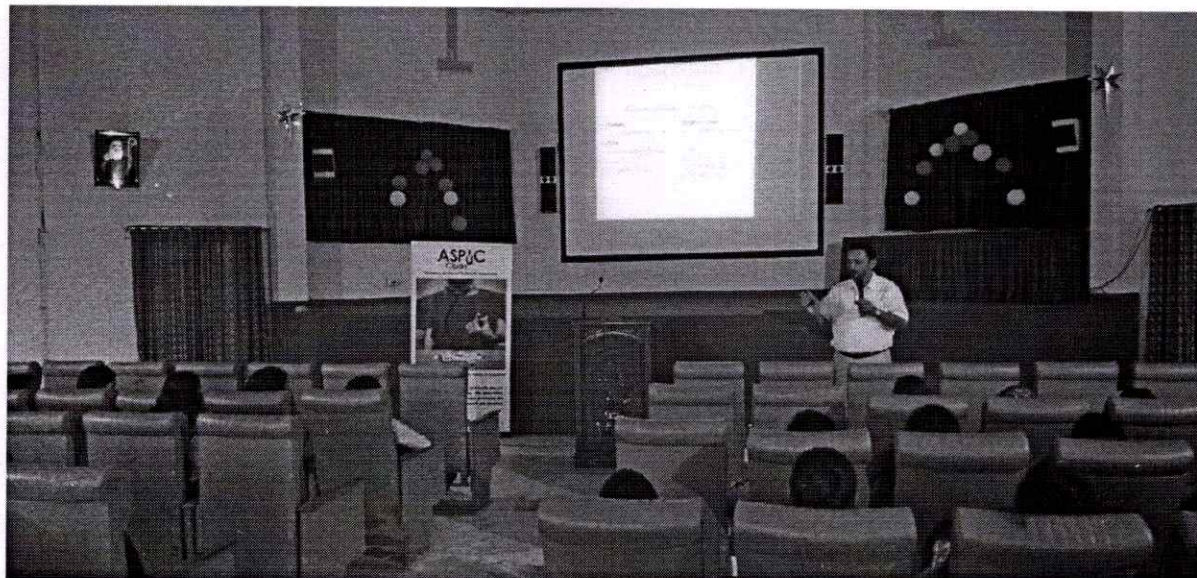
Bps Dharmapalan, head of the MACFAST School of Biosciences; Saneesh P Varghese, deputy director; Beena Cherian, Samitha Sara Abraham and Aparna Toon, also spoke.


 Head, School of Bio Sciences
 Mar Athanasios College for Advanced Studies (MACFAST)
 Thiruvalla-689 101
 Kerala, India

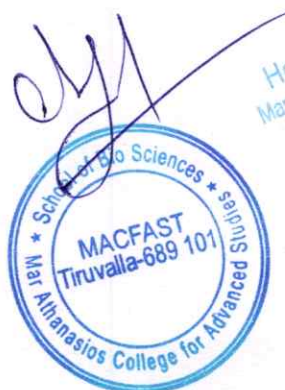


Year 2020

The ASPIC club of MACFAST, Tiruvalla hosted second awareness session on COVID-19 on 24th February 2020.






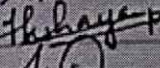
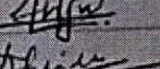
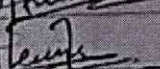
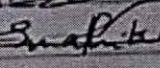
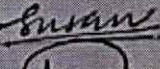
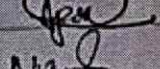

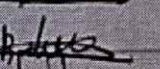
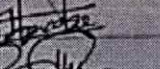
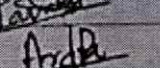
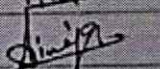
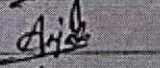

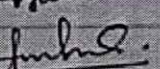

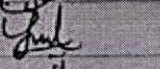

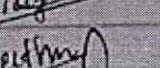

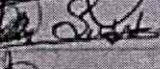



The speaker explained on the spread of the Corona virus and its current state. The session was handled by Mr. George Varghese, Head, Pushpagiri Centre for Virology. Mr.Varghese also emphasized on understanding the facts about the disease so that proper measures can be taken. The talk also focused on the importance of proper hygiene measures during the time of outbreak. The speaker also touched on the implications of the disease on the global economy. The session was also helpful in debunking certain myths concerning the disease. The session also covered on the structural variations and the virulence of the virus strain. Mr.Varghese concluded emphasizing the importance of equipping ourselves with proper knowledge to avoid panic in communities.



Head, School of Bio Sciences
Mar Athanasios College for Advanced Studies
(MACFAST)
Tiruvalla-689 101
Kerala, India

List of Participants

Inaugural session of ASPIC club and seminar on
Antibiotic Resistance on 11th December 2019

1	THASNEEM NISSAM BABU	S ₂ BT	
2	LOVEINA GRACIOUS	S ₂ PBT	
3	FATHIMA SALIM	S ₂ PBT	
4	Ranjitha Rajeev	S ₂ PBT	
5	Akshaya .P.T	S ₂ PBT	
6	Anju Alexander	S ₂ PBT	
7	Athira K. Rajan	S ₂ PBT	
8	Aleena Johnson	S ₂ PBT	
9	Swathika	S ₂ PBT	
10	Susan Issac	S ₂ PBT	
11	Aparna Tom	S ₂ BT	
12	Nirmal Paulose	S ₂ PBT	
13	Asich Samuel	S ₂ BT	
14	Behnom Akbari	S ₂ PBT	
15	Devika B	S ₂ BC	
16	Parvathy U R	S ₂ BC	
17	Ardra . A . P	S ₂ BC	
18	Aliswarya . S . Nair	S ₂ BC	
19	Ajith Murali	S ₂ BC	
20	Anulekshmi . S	S ₂ BC	
21	Freedia Sebastian	S ₂ BC	
22	Anjana Viswanadh	S ₂ BC	
23	Anjana S	S ₂ BC	
24	Theresa George	S ₂ BT	
25	Sisira Prasadh	S ₂ BT	
26	Bridget Jose	S ₂ BT	
27	Geetha K. G	S ₂ BT	
28	Somet . W . Thomas	"	
29	Sajith . S . Nair	"	
30	Anxia . A	"	
31	Margaret . Samuel	"	
32	Rahma . H	"	



33. Meenu Madhu	S ₂ BT	Manu
34. Krishnapriya.H	"	K.S.S.
35. Jemy Mezin Jose	"	Amij
36. Levin John	"	John
37. Anjali T	S ₂ BT	Amij
38. Devika Pradeep	S ₂ BT	Devika
39. Parvathi Suresh	"	Parv
40. BINI SMT GEORGE	"	Bin
41. Salomey K.S	S ₂ BC	Salomey
42. Teena Susan Sam	S ₂ BT	Teena
43. Mejo George	S ₂ BC	Mejo
44. Anathy Saji	S ₂ BT	Anathy
45. Anya Manumhan	S ₂ BC	Anya
46. Jayalakshmi.P.L	S ₂ BT	Jayalakshmi
47. Anathi Raghavan	S ₂ BT	Anathi
48. Anwaraya M. Panickkar	S ₁ BC	Anwar
49. Haaritha M.A	S ₁ BC	Haaritha
50. Anwaraya Suresh	S ₂ BT	Anwar
51. Abiya Am Mathew	S ₁ BT	Abiya
52. Bhagyalakshmi M.T	S ₂ FT	Bhagy
53. Gopika.S	S ₂ FT	Gopika
54. Anya Maria Jose	S ₂ FT	Anya
55. Teena Thomas	S ₂ FT	Teena
56. Anupama.U	S ₂ FT	Anupama
57. Anura.P	"	Anura
58. Chithra.K.R	"	Chithra
59. Sandra.S.P	"	Sandra
60. Chinju Lidiya Joy	S ₂ FT	Chinju
61. Anu Vijayar	S ₂ FT	Anu
62. Revathi Padmakumar	S ₂ FT	Revathi
63. Velgia Raj	S ₂ FT	Velgia
64. Gipsan Joseph	S ₂ FT	Gipsan
65. Reni Chacko	S ₂ FT	Reni
66. Vishnu S Kumar	S ₂ FT	Vishnu



67	Anakha Murali	S2 FT	Ana
68	chinu shaji	"	Chinu
69	Thandeep T. Nair	"	Thandi
70	Abhisam . S	"	Abhisam
71	Greem . S Kurin	S2 FT	Greem
72	SHOBAL JOIE VARGHESE	S2 FT	Shobal
73	DEVADAS . M . P	S2 FT	Devadas
74	Wahidullah Saig	S2 FT	Wahid
75	Ryneperira	S2 FT	Ryne
76	Nidal Benhin	S2 FT	Nidal
77	Revathy v.s	S2 FT	Revathy
78	Ani V. Francis	S2 FT	Ani
79	Ahmad Tyeb Yusufi	S2 FT	Ahmad
80	Abel Joseph Varghese	S4 BI	Abel
81	AKhil . R. Chandra	S4 PBT	AKhil
82	Klibil Paul Varghese	S4 BI	Klibil
83	Preena S Parvathy	S4 BI	Preena
84	Shraddha P	S4 BI	Shraddha
85	Shraddha J	S4 BI	Shraddha
86	Shraddha Adhil	S4 BI	Shraddha
87	Amisha Anto	S4 BI	Amisha
88	Parvathy Samudran	"	Parvathy
89	Stacy Theresa Tommy	"	Stacy
90	Chithra . A M	S4 PBT	Chithra
91	Sophy Thomas	"	Sophy
92	Remya S	"	Remya
93	Aneetha Susan Alex	"	Aneetha
94	Grampa Jayakumar	"	Grampa
95	Nojaly . S . Krishnan	"	Nojaly
96	AKhil . CK	"	AKhil
97	Caroline Xavier	S4 PMS	Caroline
98	Sviya Varghese	"	Sviya
99	Archana prakash	"	Archana
100	Banu L Beba	"	Banu
101	Sookya Ramesh	"	Sookya



102

- Femin S Uthup
- Grigori Pillemkumel
- Ann Mary C-Simon
- Sambha Sora
- Biju D
- Pincha Elizabeth
- Dr Treasa Varghese
- Dr Jenny Jakob
- Do Shilpa Lekshmi
- Dr Tincy M George
- Beena Cherran
- Ebin Philip Thompson
- Dr Blesson Santhosh

~~Admission~~
 Adm
 Date

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5

Aspic React Club Seminar on Corona Virus on 24/02/20
 Session by Dr. George Varghese (Head, pushpagini centre
 for Virology)

1. Anxia. A	S ₂ BT	
2. Divya Sara Varghese	"	
3. Jemy Mezin Jose	"	
4. Krishnapriya. H	"	
5. Geethu K B	"	
6. Rehma. H	"	
7. Sajith Q. Nair	"	
8. Sonet D. Thomas	"	
9. Mangarek K. Samuel	"	
10. Bhagyalakshmi MT	S ₂ FT	
11. Gopika S	"	
12. Anagha Murali	"	
13. Chirju Shaji	"	
14. Ganga S	"	
15. Jeemol Thomas	"	
16. Chithra K R	"	
17. Chinju Lediya	"	
18. Anns. K Francis	"	
19. Christy Johnson	"	
20. Anupama V	"	
21. Anura P	"	
22. Wilson Joseph	"	
23. Velgin Raj	"	
24. Vishnu S. kumar	"	
25. Nixmal Paulose.	S ₂ PBT	
26. Abhiram S	S ₂ FT	
27. Thudeep T. Nair	S ₂ FT	
28. Sauthi. M	S ₂ BT	
29. Mini San George	S ₂ BT	
30. Parvathi Suresh	S ₂ BT	
31. SHOBAL JOSE VARGHESE	S ₂ FT	
32. Nidal Ibrahim	"	



33.	Rupe. Periera	S ₂ PBT	Rupe
34.	Salomy Ks	S ₂ BC	Salomy
35.	Teena Susan Sam	S ₂ BT	Teena
36.	Aiswarya. Suresh	S ₂ BT	Aiswarya
37.	Devika Pradeep	S ₂ BT	Devika
38.	Anjali T	S ₂ BT	Anjali
39.	Tharunam N	S ₂ BT	Tharunam
40.	Abhinaya	S ₂ BT	Abhinaya
41.	Parvathy U R	S ₂ BC	Parvathy
42.	Jayalakshmi T. L	S ₂ BT	Jayalakshmi
43.	Freedia Sebastian	S ₂ BC	Freedia
44.	Aiswarya S. Nair	S ₂ BC	Aiswarya
45.	Andra. A.P	S ₂ BC	Andra
46.	Arya Manumohan	S ₂ BC	Arya
47.	Anulekshmi S	S ₂ BC	Anulekshmi
48.	Anjali Murali	S ₂ BC	Anjali
49.	Swathika Aitha	S ₂ PBT	Swathika
50.	Asish	" "	Asish
51.	Nirmal	" "	Nirmal
52.	Athira	" "	Athira
53.	Chopika	" "	Chopika



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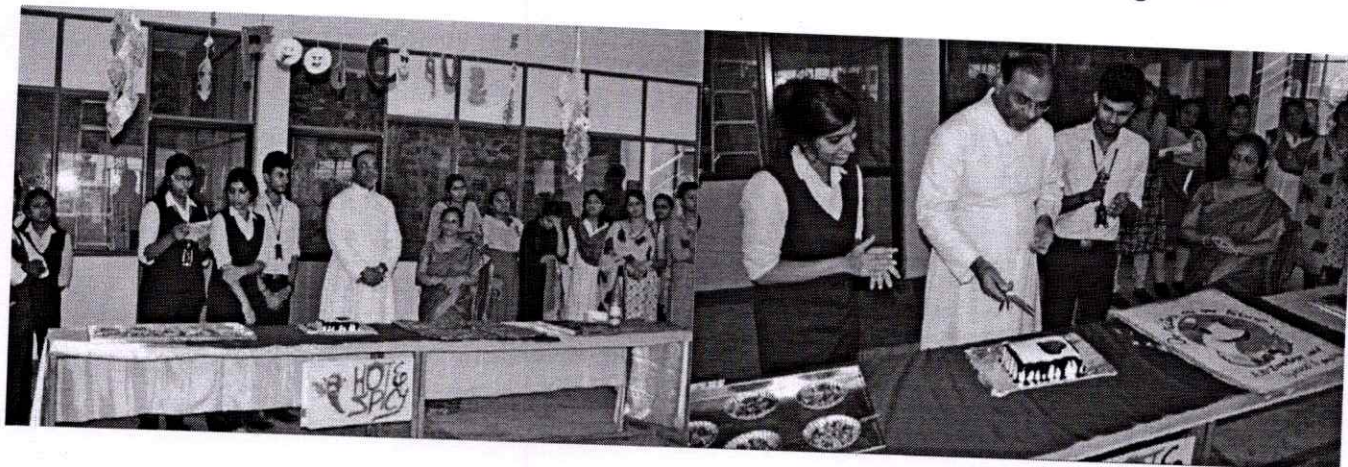
Every year in connection with the World Food Day programme the School of Biosciences organised food fest in order to create public awareness about the food stuffs - their nutritive value, therapeutic uses and value added products. In this fest we display various food related posters to inculcate awareness among the students-what good food means, where it comes from, how it impacts both our health and the planet. It creates a unique opportunity to get people thinking about how and why we eat the way we do, in a fun and creative format. The aim of the fest is for tasting and experiencing new things sharing delicious food and drink.

2019

The School of Biosciences organised a food fest in connection with World Food Day programme in the campus on 2-11-2019. The main goal of World Food Day is to create public awareness about hunger challenges and encourage people worldwide to take action in the fight against hunger. The theme for this year 2019 was "Our actions are our future; Healthy Diets for a Zero Hunger World- A Zero Hunger World by 2030.



The programme commenced at 11.00 am in the college lobby. The Principal Rev. Fr. Dr. Cherian J. Kottayil, inaugurated the function and delivered a message regarding World Food Day. The annual celebrations of World Food Day emphasizes, in today's international context, the needs, earnings and hopes of millions of persons who lack bread each day. Increasingly, there are more people who sadly make up part of that great number of human beings who have nothing or almost nothing to eat.

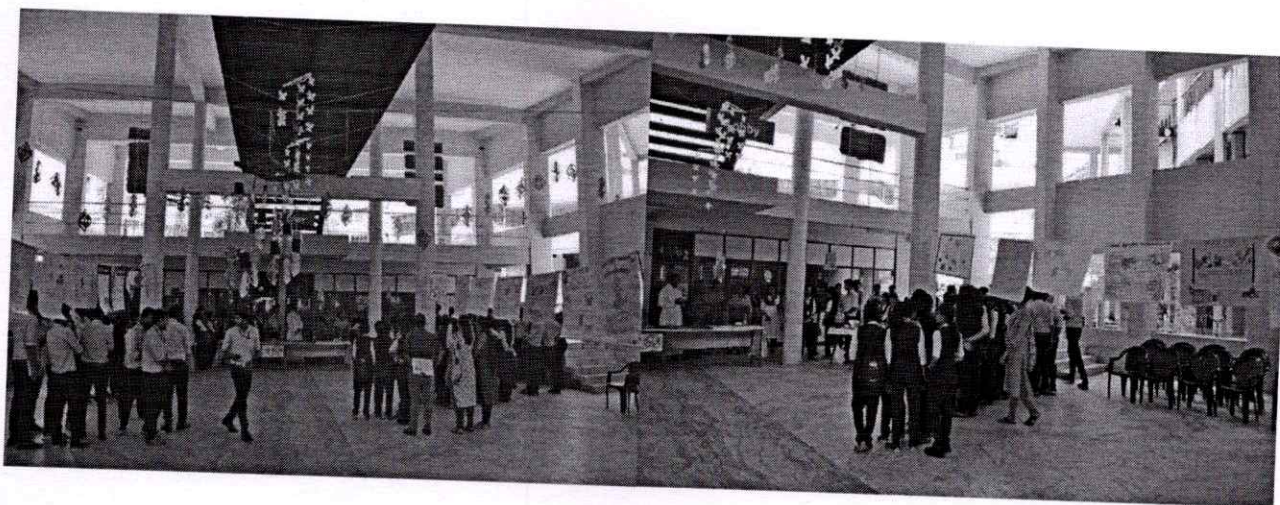


The theme that concerns us this year. Our actions are our future; A zero Hunger World by 2030 is possible becomes an urgent call to responsibility on the part of all those actors who are in agreement with the objectives of the 2030 Agenda for sustainable development a rallying cry to wake us from the slumber that often paralyzes and inhibits us.

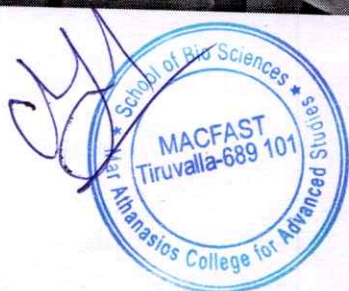
The Director Radio MACFAST, Rev Fr. Dr. Thomaskutty Pathinnatil, Prof. Beena Cherian (Dean School of Biosciences) all the faculty members and students of the School of Biosciences participated in this programme.



As part of the programme more than 30 posters emphasizing importance of food to alleviate poverty hunger, safety and processing aspects, were displayed by the students. A fabulous food stall with variety of dishes was arranged for commercialization. Delicious dishes like pani puri, hot and spicy chicken cutlet, chocolate cake, gulab Jamun with ice-cream, batura, pizza, dates burfi etc., prepared by the students and sold.

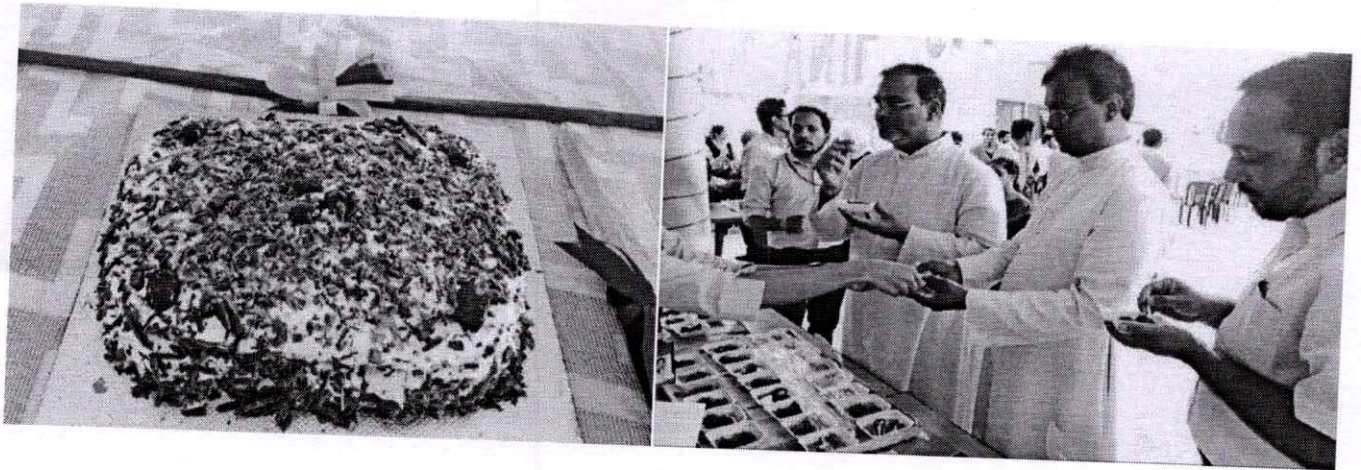


The staff members from MBA, MCA, Radio, non teaching staffs visited the stall and gave supportive and encouraging comments regarding the stall. Our Deputy Director Saneesh Varghese witnessed the function and gave valuable suggestions for conducting such fest in future. More than 200 participants visited the stall and made this programme a grand success.



2018

The School Of Biosciences organised the food fest "KHAANA PEENA 2K18" on 22-11-18 at the college campus. This years World food day slogan is ' Our actions are our future.-The programme commenced at 11.00 a.m. at the college lobby. Rev. Fr. Dr.Cherian.J.Kottayil, Principal MACFAST college inaugurated the function by cutting the cake and addressed the gathering. Dr. Thomas Pathinettil, Dr. Sudheep. B.Chandramana (HOD, Department of Management Studies), Prof. Beena Cherian (Dean Biosciences) witnessed the function and gave valuable suggestions for conducting such fest in future. All the faculty members and students of MACFAST College also participated in this programme.



As part of the programme more than 30 posters emphasizing importance of food to alleviate poverty hunger, safety and processing aspects, were displayed by the students. A fabulous food stall with variety of dishes was arranged for commercialization. Delicious dishes like pani puri, hot and spicy chicken cutlet, chicken roll, pudding, shawarma roll, bread pizza, cream bread, sandwich, baji, biriyani (beef & chicken), banana fill, chocolate cake, gulab jamun, ice-cream etc. was prepared by the students and sold.



The staff members from MBA, MCA, Radio, Library, Office staffs, non-teaching staffs visited the stall and gave supportive and encouraging comments regarding the stall. More than 200 participants visited the stall and made this programme a grand success.

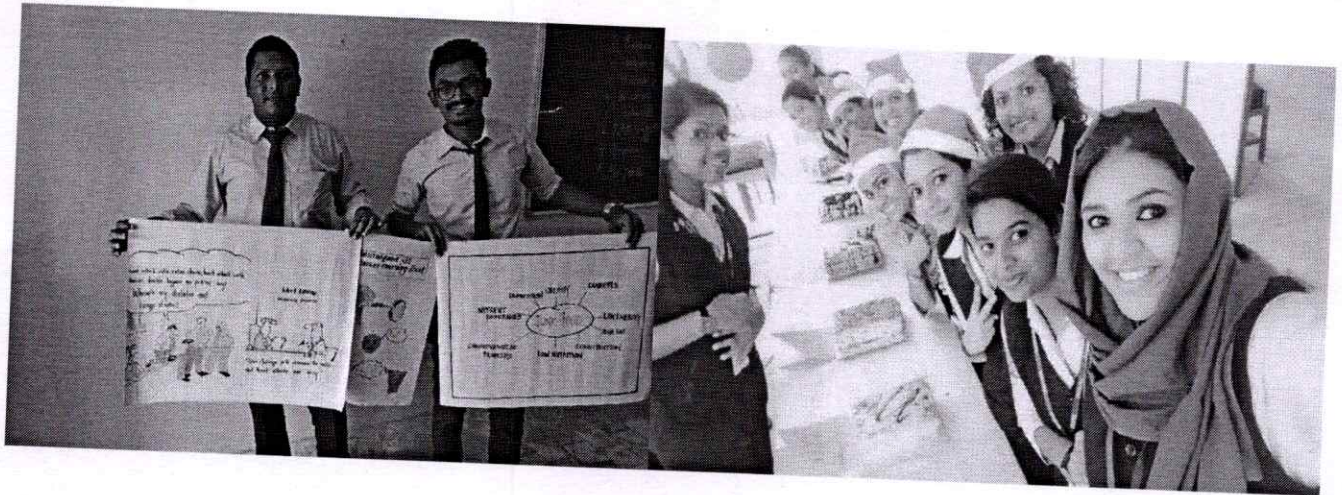
2017

The School Of Biosciences organised the cake fest on 21-12-17 at the college campus. The programme commenced at 11.00 a.m at the college lobby. Rev. Fr.Pradeep Vazhatharamalayil , Principal MACFAST college inaugurated the function by cutting the cake and addressed the gathering. Prof.Saneesh Varghese Dr. Sudheep. B.Chandramana (HOD, Department of Management Studies), Tiji Thomas,Samuel Prof. Beena Cherian (Dean Biosciences) witnessed the function and gave valuable suggestions for conducting such fest in future. All the faculty members and students of MACFAST College also participated in this programme.



As part of the programme more than 35 posters were displayed in the lobby focuses on climate change and sustainable agriculture. The theme of World Food day 2016 is Climate is changing ,food and agriculture must too. A fabulous food stall with variety of dishes was arranged for commercialization. Different varieties of cakes like chocolate cake, Vanilla cake, red velvet, Black forest, White forest, Cup cakes, gulab jamun, ice-cream and butter scotch etc. was prepared by the students and sold.





The staff members from MBA, MCA, Radio, Library, Office staffs, non-teaching staffs visited the stall and gave supportive and encouraging comments regarding the stall. More than 300 participants visited the stall and made this programme a grand success.


 Head, School of Bio Sciences
 Mar Athanasios College for Advanced Studies
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Jackfruit -mango fest- 2019

28th May-3rd June, 2019

The School of Bioscience, Mar Athanasios College for Advanced Studies Tiruvalla in association with YMCA Thiruvalla and Bodhana organized a six days Jack Fruit –Mango-fest at YMCA Hall in Tiruvalla from May 28th to 5th June, 2019. This programme aims to give an opportunity for the students to develop value added food products from cheap and locally available food materials. In this exhibition, a stall was arranged by our students. 79 students from school of Biosciences were actively participated in this programme. More than 20 value added products from jack fruit and mango were displayed and sold in the fest. In additions to this, students were also actively involved in giving an awareness to public on how to set up a micro, small and medium scale industries utilizing these raw materials.



List of value added products developed from jackfruit & mango

- | | |
|-------------------------|--|
| 1. Dried jackfruit bulb | 13. Cake |
| 2. Jackfruit flour | 14. Cool drinks from mango and jackfruit |
| 3. Dried Jackfruit seed | 15. Halwa |
| 4. Candy | 16. Pakoda |
| 5. Preserve | 17. Payasam |
| 6. Mixture | 18. Cupcake |
| 7. Chips | 19. Chocolates |
| 8. Leather | 20. Chakka Nirav |
| 9. Jelly | 21. Jackfruit seed avalosu podi |



- 10. Pickle
- 11. Cutlet
- 12. Pudding

- 22. Jam
- 23. Squash

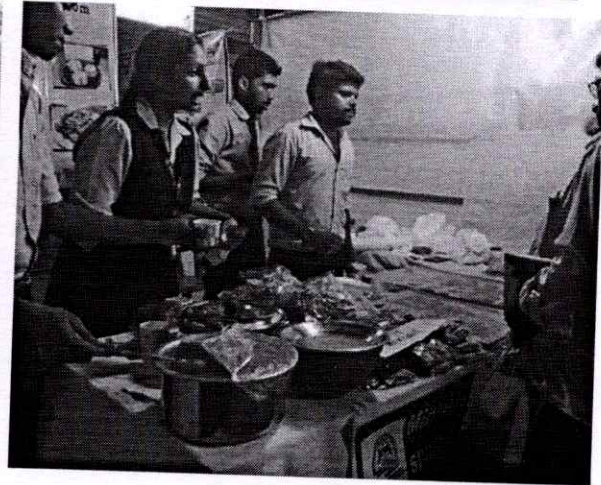
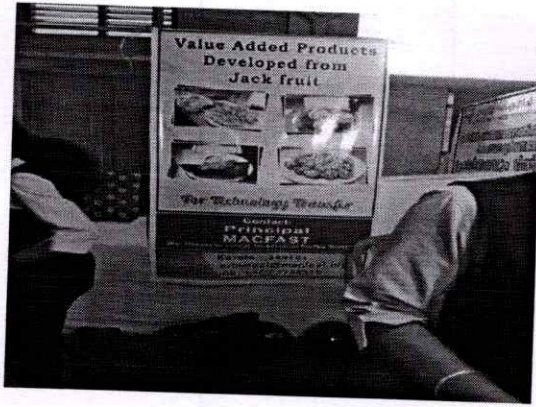


Jack Fruit –Mango-Pappaya fest 2018

28th May-3rd June, 2018

Mar Athanasios College for Advanced Studies Tiruvalla in association with YMCA Thiruvalla organized a Jack Fruit –Mango-Pappaya fest at YMCA Hall in Tiruvalla from 23 to 28 May, 2018. 79 students from school of Bioscience were actively participated in this programme. Fest give an opportunity for the students to develop value added food products from cheap and locally available food materials such as Jack Fruit, and Mango. In this exhibition, a stall was arranged by our students. 23 value added products such as Mango Jam, Jack fruit paysam, hot and spicy jackfruit cutlets, Jack fruit samoosa, Jack fruit mixture, Jack seed burfy etc. were displayed and sold in the fest. As part of this programme. Mrs. Beena Cherian assigned as the resource person for conducting the seminar on the topic 'Value added products from Jack Fruit and Mango' on 26th May, 2018. The seminar was inaugurated by Honorable Minister Mathew T Thomas. In additions to this, students were also actively involved in giving an awareness to start a house-hold industry by using underutilized raw materials.





Jackfruit Mango Pappaya Fest 2017

9th -14th May 2017

Mar Athanasios College for Advanced Studies Tiruvalla in association with YMCA Thiruvalla organized a Jackfruit –Mango-Pappaya fest at YMCA Hall in Tiruvalla from 9th May to 14th May, 2017. Event was inaugurated by Most Rev Dr. Philipose Mar Chrysostom. Fest give an opportunity for the students to develop value added food products from cheap and locally available food materials such as Jack Fruit, Mango and pappaya. The school of Biosciences arranged a food stall and exhibited 18 edible items developed from these raw materials. 62 students from school of Biosciences were actively involved in this programme.



List of value added products developed from jackfruit, pappaya and mango.

1. Jelly
2. Jam
3. Squash
4. Cool drinks from mango and jackfruit
5. Pickle
6. Dried jackfruit bulb
7. Jackfruit flour
8. Dried Jackfruit seed
9. Chakka Nirav
10. Pudding
11. Cutlet
12. Halwa
13. Leather
14. Payasam
15. Jackfruit seed avalosu podi
16. Mixture
17. Chips
18. Pakoda



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