



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



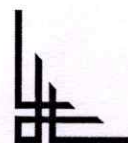
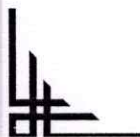
MACFASTTM
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**MACFAST Industry Interface
2016-17 to 2020-21**



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA(MACFAST)

Tiruvalla, Pathanamthitta, Kerala 689 101



Industrial visits are a part of our curriculum, the students had an unforgettable experience by learning different practical lessons, different cultures, etc. All India tour was planned for 13 days and other institutional visits comprised of 3-4 days travelling from MACFAST college accompanied by four to five staffs with them. It also provides an insight on how companies work and also allocate useful information related to the practical aspects of the course which cannot be visualised in lectures. From the busy schedule of their life, students had a refreshing time and getting to know different things visually which they have learned.

Visited Places:

- Forest Research Institute, Dehradun
- The Lal Bahadur Shastri National Academy of Administration (LBSNAA)
- Jawaharlal Nehru University (JNU),
- The National Institute of Plant Genome Research (NIPGR)
- Indian Council of Agricultural Research (ICAR)-Central Potato Research Institute (CPRI))
- Indian Institute of Advanced Study, Shimla (IIAS)
- Indian Agricultural Research Institute (IARI)
- National Institute of Plant Genome Research
- International Crops Research Institute for the Semi-Arid Tropics (ICRISAT).
- Defense Food Research Laboratory (DFRL)
- CSIR-Central Food Technological Research Institute (CFTRI), Mysore
- National Institute of Nutrition (NIN),
- NCBS, Bangalore
- National Agri Biotech Institute Mohali (NABI)


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

School of Biosciences Industrial Visit Report 2019 – 2021

The school of Bioscience of Macfast College Thiruvalla had organized IV program for MSc students to Punjab-Manali-Shimla-New Delhi from February 2nd to 13th March. The team had 85 students and 5 teachers.

This visit was organized with prior permission and guidance of Mr. Biju Dharmapalan HOD (Bioscience) accompanied by faculties Mr. Ebin Philip Thompson, Dr. Blessan Santhosh George, Miss. Samitha Sara Abraham and Miss. Gigin Pullemkunel. 24 numbers of Food Technology & Quality Assurance started journey on 10th September 2018 by bus from the college premises.

• National Agri Biotech Institute Mohali

National Agri-Food Biotechnology Institute (NABI) is the first Agri-Food Biotechnology Institute, established in India. The main research focus of NABI is to harness biotechnological tools in the area of Agriculture Biotechnology, Food and Nutritional Biotechnology so as to provide sustainable and novel solutions towards quality food and nutrition.



National Agri Biotech Institute Mohali(NABI)



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• IISER Mohali

Indian Institute of Science Education and Research, Mohali (IISER Mohali) is an autonomous public research university. Students had an excellent learning exposure on various instruments such as (NMR), X-ray Diffraction Crystallography, Cell Culture Facility, Atomic Force microscope, Laser Raman and AFM Facility-Raman Infrared spectroscope, Scanning Electron Microscopy, DC Sputtering, PLD Machine, Cryostat, Dilution refrigerator, Liquid Helium Facility,

Liquid Nitrogen Facility, Femto Laser facility, Proton Transfer Reaction Mass Spectrometer (PTR-MS), Laser micro-Raman spectroscope, Single Crystal X-ray Diffractometer, Crystal Growth Laboratory, PPMS, SQUID.

• IARI Regional Station at Katrain, Kullu

Emphasize utilization of global plant genetic resources, including conservation of agriculturally important microbial, cyanobacterial and insect resources, to produce efficient, productive and stable genotypes of crops, especially hybrids and improve bioenergetics. Generate Knowledge related to the processes of production and productivity of agricultural crops leading to the development of research philosophies, concepts, methodologies, materials and technologies

Students got an opportunity to visit Food Science lab where they came across many instruments used in food industry such as Rice Husker, Polisher, Thin Screw extruder, Sealing Machines. They also had an exposure to many value added products to market which have many health benefits and have longer shelf life. Students also visited Biochemistry department where they learned about PCR, CRIPSR, HPLC & Spectrophotometry



IARI

- **ICAR-CPRI, Shimla Indian Institute of Advanced Studies, Shimla**

Indian Council of Agricultural Research (ICAR)-Central Potato Research Institute (CPRI) was established in order to facilitate hybridization work in potato breeding and maintain seed potato health. Through the visit to this institute students had an excellent exposure to various research in the field of biotechnology, genomics, genetics and plant breeding, plant protection, soil science and agronomy, plant physiology, biochemistry, and post-harvest technology. The major laboratories are National Active Germplasm Repository, Biotechnology and Molecular Biology Laboratory, Potato Genomics and Bio-informatics Laboratory, Cell Biology Laboratory, Diagnostic Laboratory, Electron Microscopy Laboratory, Virus Culture Facility, Radioisotope Laboratory, Soil and Plant Analysis Laboratory, Late Blight Screening Facility, Remote Sensing and GIS Laboratory, Tissue Culture Facility, Mini-processing Plant, Biochemical Analysis Laboratory, Aeroponic facilities, Controlled Temperature Storage Facility, and Mini-phytotron Facility.




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ICAR-CPRI


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- **NIPGR, New Delhi**

The National Institute of Plant Genome Research is an autonomous institution aided by the Department of Biotechnology, Government of India. NIPGR aims to contribute in the achievement of such hopes arising out of the current pace of genomics research.



NIGPR, New Delhi

Students were able to learn many things related to their various fields of their such as, Computational Biology, Genome Analysis and Molecular Mapping, Molecular Mechanism of Abiotic Stress Responses, Nutritional Genomics, Plant Development and Architecture, Plant Immunity, Molecular Breeding, Transgenics for crop improvement and other emerging areas based on plant genomics. Their research programme made the students understand the importance of their subject and function of genes along with arrangement of genes on plant genomes and manipulation of plant genes / genomes to breed improved varieties of food and industrial crops for high yields and of better quality products


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School of Biosciences Industrial Visit Report 2018-2020

The school of Bioscience of Macfast College Thiruvalla had organized IV program for MSc students to Delhi-Dehradun-Mussorie-Agra from April 3 to 16th. The team had 51 students and 6 teachers.

- **Forest Research Institute, Dehradun**

Students had an experience on a training session on phytochemical techniques which was very informative and they also had opportunities to visualize working of various instruments on FRI, extraction of various soil from plant material and its application on various field of Science. Students also had an interactive sessions with scientist of FRI.



FRI

- **LBSNAA, Mussorie**

The Lal Bahadur Shastri National Academy of Administration is a civil service training institute on public policy and public administration in India. The academy's main purpose is to train civil servants of the IAS cadre and also conduct the Foundation Course of Group-A Central Civil Services.

It was a great opportunity to visit such a prestigious institution in India and students had a motivational class which gave them an inspiration to write competitive exams and its importance.

- **IGIB Research Institute for Plant Genomics, New Delhi**

CSIR-Institute of Genomics & Integrative Biology (IGIB) is a premier Institute of Council of Scientific and Industrial Research (CSIR), engaged in research of national importance in the areas of genomics, molecular medicine, bioinformatics and proteomics.



IGIB

The institute has initiated a unique programme to use cutting-edge genomic technologies to understand rare genetic diseases in India and pioneering the application of genomics for Precision Medicine in clinics. Students were able to visualize various equipments such as Lyophilizer, Nanodrop, TEM, SEM, confocal microscopy, super computer, zehra fish and other instruments. They also had an interactive session with one of the eminent scientists and conveyed the idea of different researches going on in the institute.

- **JNU, New Delhi**

Jawaharlal Nehru University is the foremost university in India, and a world-renowned centre for teaching and research. Ranked number one in India. Jawaharlal Nehru University has collaborated with universities across the world in research projects, conferences, and publications.



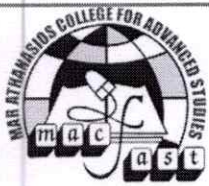
There students had an exposure to the department of Life Science where they learned about different sophisticated equipments like TEM, SEM, etc. and was a very informative session.

• ICAR-IARI

The Indian Agricultural Research Institute (IARI) is India's largest foremost Institute in the field of research and higher education and training in agricultural sciences.

Besides basic research, applied and commodity research gained great importance resulting in the development of several popular high yielding varieties of almost all major crops and their associated management technologies, which brought about an unprecedented increase in the national food and agricultural production. Students got an opportunity to visit Food Science lab where they came across many instruments used in food industry such as Rice Husker, Polisher, Thin Screw extruder, Sealing Machines. They also had an exposure to many value added products to market which have many health benefits and have longer shelf life. Students also visited Biochemistry department where they learned about PCR, CRIPSR, HPLC & Spectrophotometry

The IV was very informative and students got an opportunity to visit such prestigious National Institutions which gave a lot of information about the new instruments and the new technologies related to their field. They also had an interactive sessions with the scientists.



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IARI


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School of Biosciences Industrial Visit Report

2017-2019

The school of Bioscience of Macfast College Thiruvalla had organized an industrial visit for Food Technology & Quality Assurance students from 11th September 2018 to 17th September 2018 to MYSORE (CFTRI, DFRL, and MYMUL), HYDERABAD (ICRISAT, NIN) and PONDICHERRY (Sri.Aurobindo Handmade Paper Factory).

The main objective of Industrial Visit was to help students gain first-hand information regarding functioning of the industry which presents the students with opportunities to plan, organize and engage in active learning experiences both inside and outside the classroom.

This visit was organized with prior permission and guidance of Mr. Biju Dharmapalan HOD (School of Biosciences). Mr. Mohammed Saheed and Mr. Ribu Dilshad were the student coordinators accompanied by faculties Mr. Ebin Philip Thompson, Mr. Pavin Thadathil, Miss. Samitha Sara Abraham and Miss. Gigin Pullemkunnel. 28 students of Food Technology & Quality Assurance started journey on 10th September 2018 by bus from the college premises.

INDUSTRIES AND INSTITUTIONS VISITED:

❖ **Place: CFTRI, COCHIN**

❖ **Visit Date: 10/09/2017**

❖ **Accompanied Staff :**
Mr. Biju Dharmapalan
Mr. Ebin Philip Thompson
Mr. Pavin Thadathil
Ms. Samitha Sara Abraham
Ms. Gigin Pullemkunnel

❖ **Number of students attended: 24**

- **CSIR–Central Food Technological Research Institute (CFTRI), Mysore**

Students were given an insight on the basic principles of biochemistry and introduced various departments in CFTRI. The main objective of the institute is to add value to raw material through process. Students also got acquainted with one of the latest innovation in fruit processing -clear Banana Juice by giving a brief account on its processing.



CFTRI

- **Defense Food Research Laboratory (DFRL) and Mysore Milk Union Ltd (MYMUL).**

Institute was established especially to cater to the strategic operational requirements of our Services and to provide logistical support in the area of food supplies and varied food challenges of Indian Army, Navy, Air force and other Paramilitary Forces.

It has been able to conserve, preserve, stabilize, design, fabricate and engineer a vast array of food products of Indian dietary which are not only shelf stable under all weather conditions but also deliver adequate nutrition and energy to keep the morale of our Service personnel high at all times.



DFRL

Students had an experience to know more about the Research and development in food science and technology, Studies in the development of convenience foods, preservation of foods, food safety, food packaging, and studies in the spoilage of foods and safety of processed foods, Production and supply of processed foods and studies related to their Toxicological, nutritional, and biochemical studies, Development of pack rations, their quality assurance methods, Preservation and packaging methods for long distance transportation of perishable products and Evaluation of nutritional requirements of troops deployed under different climatic conditions.

The students had excellent exposure to the testing facilities and analytical instruments such as GC, GCMS, GLC, HPLC, Nanodrop spectrophotometer, Atomic Absorption Spectrophotometer, Lovibond Tintometer, etc. Some of the recent additions to the processing equipments include, High pressure processing, Pulsed electric field processing, Khoa making machine, controlled atmosphere system, integrated soya paneer plant, blast freezer and plate freezer lyophilizer, polymer twin screw extruders.



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Food Scanner, Texturometer, Hydrosorb, Hybridization oven, Image Analyser, Thermogravimetric Analyser, Differential scanning calorimeter, Dynamic mechanical Analyser, Alveoconsisto graph, Cell counter, Gradient thermal cyler, Scanning electron microscope, FPHLC, Gel Documentation system, IR Spectroscope and Atomic Force microscope.

The Laboratory has developed some analytical test kits for evaluation of deteriorative changes in food such as Meat Testing Kit, Test Kit for E.coli detection, Presumptive Test Kit for Coliform Detection, Acidity Testing Paper Strip, and Pesticide detection kit.

- **Mysore Milk Union Ltd (MYMUL).**

Mysore Dairy with the capacity of 10 TLPD was started and was expanded to 60 TLPD in 1980 under the scheme operation flood and transferred to the Karnataka Milk Federation.

Mysore Milk Union is committed to socio economic development of its member milk producers by adopting advanced technology to make dairying a profitable business by the dedicated workmanship to provide best services to its members and consumers thereby achieving the best position in the country.



MYMUL

The students had an outline on the production of various products such as Curds, Spicy butter milk, Peda (Regular, Kesar), Cashew Burfy, Paneer, Nandini bite, Mysore Pak, Sweet Lassi, Khova and Ghee.

- **International Crops Research Institute for the Semi-Arid Tropics (ICRISAT).**

The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) is a non-profit, non-political organization that conducts agricultural research for development in Asia and sub-Saharan Africa. ICRISAT and its partners help empower these poor people to overcome poverty, hunger and a degraded environment through better agriculture. ICRISAT is a member of the CGIAR System Organization, a global research partnership for a food-secure future.



ICRISAT

Students were given a detailed account on the dryland crops such as sorghum, pearl millet, finger millet, chickpea, pigeon pea and groundnuts that are being cultivated and studied in their sector. At the same time had an interaction where he stressed and emphasized that a Food Technologist must acquire basic knowledge about every agriculture crops and highlighted the role of food technologists in the agricultural domain. The students had a brief account on how to create, leverage and aggregate programs and services to promote agribusiness and enhance partnership through entrepreneurship development, innovation and value addition for accelerated agricultural growth.

- **National Institute of Nutrition (NIN).**

The institute majorly conducts research in obesity, diabetes, food chemistry, dietetics, drug toxicology, and micronutrient deficiency.

The institute possesses sophisticated equipment, well-equipped modern facilities and for clinical, laboratory and community based research which made students to learn and acquire knowledge on research. Also visited "Nutrition Museum" of the institute which is an important teaching tool which highlights different aspects of food and nutrition and also covers the work undertaken at the Institute.

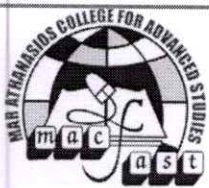
Attended the seminar on the topic related to food safety & myths, health issues related to women and children, diabetes and obesity.



NIN

- **Sri. Aurobindo Handmade Paper Factory, Pondicherry**

The Sri Aurobindo Handmade Paper Factory makes and sells eco-friendly handmade paper in various colours, along with stationery and gift boxes. The coconut garden is the location of the factory today, in the heart of Pondicherry. Industrial visit gave the chance to experience and learn what cannot be gained during lectures. Students came to know about various achievements and innovations in regards with fruits and vegetables processing contributed by particular industries and institution.



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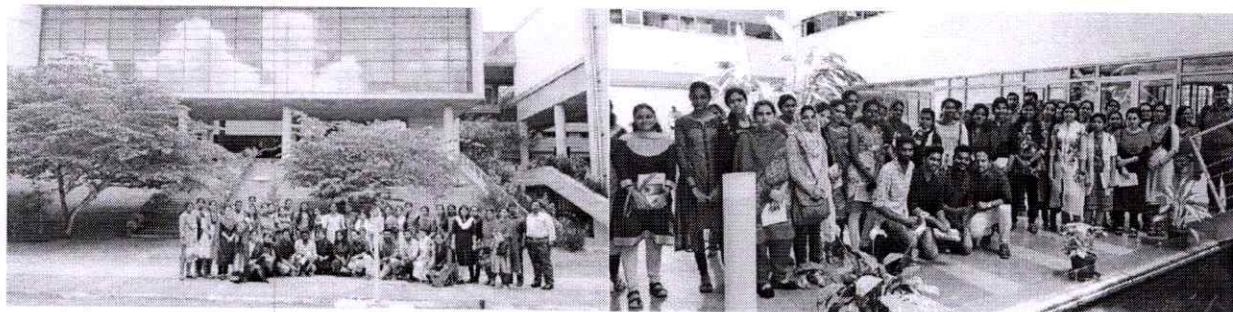
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Sri. Aurobindo Handmade Paper Factory, Pondicherry



SAMI Lab



NCBS, Bangalore


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School of Biosciences Industrial Visit Report 2016 – 2018

The school of Bioscience of Macfast College Thiruvalla had organized an industrial visit for MSc students from 17th May -1st June 2017 to **Amritsar- Shimla- Delhi**. The main objective of Industrial Visit was to help students gain first-hand information regarding functioning of the industry which presents the students with opportunities to plan, organize and engage in active learning experiences both inside and outside the classroom.

This visit was organized with prior permission and guidance of Mr. Biju Dharmapalan, Head of the Department (School of Biosciences) accompanied by faculties Ms. Sherry M Varghese, Ms. Pinchu Elizabeth Thomas and Mr. Blessan Santhosh George. Mr. Abhijith M Anandhan and Mr. Vishnu C were the student co-ordinators. A team of 50 students from Food Technology & Quality Assurance, Plant Biotechnology, Bioinformatics, Biotechnology and Phytomedicine Science & Technology were attended. Started journey on 17th May 2017 by bus from the college premises.

INDUSTRIES AND INSTITUTIONS VISTED:

❖ **Place: Amritsar**

❖ **Visit Date: 20/05/2017**

❖ **Accompanied Staff :**

Mr. Biju Dharmapalan
Mr. Blessan Santhosh George
Ms. Pinchu Elizabeth Thomas
Ms. Sherry M Varghese

❖ **Number of students attended: 50**

• JAGS Food Industry & Guru Nanak Dev University

Firstly visited JAGS food industry situated in Amritsar Punjab. JAGS food industry is famous for rice, saffron and tea production. The main objective behind the visit was to make student aware about how various activities related to food product processing, packing, marketing are carried out in a company.

Students got real world practical experience about tea production and different processes like blending, packaging etc. Thereafter went to Guru Nanak Dev University and visit various departments. Finally went to Wagah Border.



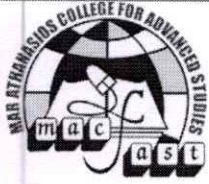
WAGAH BORDER

❖ **Place: Shimla**

❖ **Visit Date: 22/05/2017**

- **ICAR-CPRI (Indian Council of Agricultural Research (ICAR)-
Central Potato Research Institute (CPRI))**

Indian Council of Agricultural Research (ICAR)-Central Potato Research Institute (CPRI) was established in order to facilitate hybridization work in potato breeding and maintain seed potato health. Through the visit to this institute students had an excellent exposure to various research in the field of biotechnology, genomics, genetics and plant breeding, plant protection etc.



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The major laboratories are National Active Germplasm Repository, Biotechnology and Molecular Biology Laboratory, Potato Genomics and Bio-informatics Laboratory, Cell Biology Laboratory, Diagnostic Laboratory, Electron Microscopy Laboratory, Virus Culture Facility, Radioisotope Laboratory, Soil and Plant Analysis Laboratory, Late Blight Screening Facility, Remote Sensing and GIS Laboratory, Tissue Culture Facility, Mini-processing Plant, Biochemical Analysis Laboratory, Aeroponic facilities, Controlled Temperature Storage Facility, and Mini-phytotron Facility.



CPRI

- **IIAS (Indian Institute of Advanced Study)**

The Indian Institute of Advanced Study is a research institute based in Shimla. It was set up by the Ministry of Education, Government of India. Students got a chance to get acquainted with the glorious past of the country. Visited State Library, State Museum and other buildings of literary and cultural importance.



IIAS

❖ **Place: Delhi**

❖ **Visit Date: 29/05/2017**

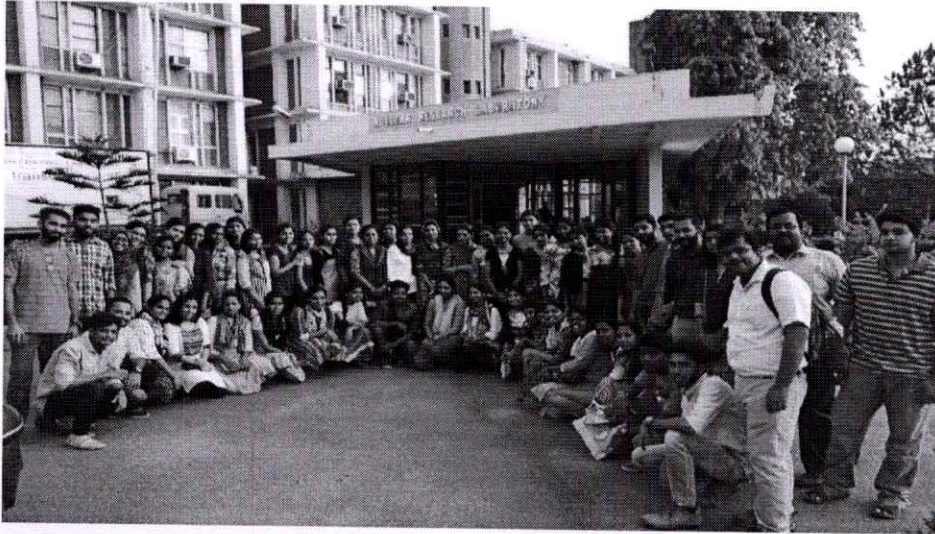
● **JNU (Jawaharlal Nehru University)**

Jawaharlal Nehru University is the topmost university in India, and a famous centre for teaching and research. Students got an opportunity to visit their labs and to come to know about the working of confocal microscope, flow cytometer, cell sorter and analyser etc.

● **IARI (Indian Agricultural Research Institute)**

ICAR-IARI was most useful and best interaction sector for food technology pulps. The major study is about the physical and chemical tolerance in Indian crops. Students got an exposure to many instruments used in food industry lab like Rice Husker, Sealing machines, Thin screw extruder etc. Also visited Biochemistry lab where they learned about PCR, CRISPR, HPLC & Spectrophotometry.





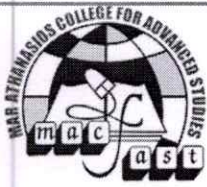
IARI

- **NIPGR(National Institute of Plant Genome Research)**

In NIPGR, students got an interactive session with Dr. Manoj who gave an overall structural details about the campus of NIPGR. Students got an opportunity to work with real time PCR, Flow cytometer ETC. They got an informative session about the mechanism and working of highly sophisticated equipments like TEM, SEM etc.



NIPGR



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ONE DAY VISIT

One-day industrial visit was organized by School of Biosciences in many places to provide practical exposure for the subjects taught them during regular classes.

Visited places:

- Sree Chitra Tirunal Institute of Medical Sciences and Technology
- IISER Trivandrum Pushpagiri Medical College, Thiruvalla
- Krishi Vigyan Kendra, Pathanamthitta
- Milma, Thripunithura



2017-2019 BATCH SCTIMST



2017-2019 BATCH IISER, Trivandrum



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Milma, Tripunithara

CSM
Head, School of Bio Sciences
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(MACFAST)
Thiruvalla-689 101
Kerala, India

MACFAST Industry Interface (MII) conducted by Department of Management Studies

2018-20 Batch

MBA 2018-20 batch students had one week MII programme at Bengaluru, Hyderabad and Pondicherry. Students and faculty team visited and interacted with officials of major companies like Coca Cola, Parle-G, Dairy Classic Ice Creams Pvt.Ltd., Sri Aurobindo Handmade Paper. Students have also got the opportunity to visit production plants and the production processes in these companies.



MACFAST INDUSTRY INTERFACE - 2019: 28th July – 3rd August **2019 - SCHEDULE**

Vidyut and Zepheros (3rd Semester MBA 2018-2020 BATCH)

No. of students enrolled: 115

DAY	TIME	COMP ANY	WEBSITE	ACTIVITY
28 th July (Sunday)	1:30 pm			Reporting time at MACFAST
28 th July (Sunday)	2.30PM			Departure to Bangalore
	8.00 AM			Freshup, breakfast at Bangalore [Hotel Sabharwal Inn]
29 th July (Monday)	10.00 AM 12.00 PM	Dairy Day Ice- cream	www.dairydayi cecream.com	Manufacturing/Business process briefing and Manufacturing facility visit
	Afternoon			Pre-presentation and Post- presentation
	6.00 PM			Local Visit
				Departure to Hyderabad



	8.00 AM			Check-in, breakfast at Hyderabad stay @ Majestic and Asian
30 th July (Tuesday)	10.00 am 12:30 pm	Cocacola	www.cocacola.com	Manufacturing/Business process briefing and Manufacturing facility visit Pre-presentation and Post-presentation
	Afternoon			Local visit
	Night			Stay at Hyderabad
31 st July (Wednesday)	9.00 AM – 6.00 PM			1 day Ramoji Film City Visit
	Night			Stay @ Hyderabad
1 st August (Thursday)	10:00 AM- 12.00 PM	Parle-G	http://www.parleproducts.com/brands/parle-g	Manufacturing/Business process briefing and Manufacturing facility visit Pre-presentation and Post-presentation
	Afternoon			Local Visit
	8.30 PM			Departure to Pondicherry
	8.00 AM			Freshup, breakfast @ Pondicherry [Kokonut]
2 nd August (Friday)	10.00 AM – 12.00 noon	Sri Aurobindo Handmade Paper	www.sriarobindopaper.com	Manufacturing/Business process briefing and Manufacturing facility visit Pre-presentation and Post-presentation



Afternoon

Local visit

8.30 PM

Return to MACFAST

3rd August

(Saturday 8.30 AM

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Arrival @ MACFAST

Expected Food Timing

7:30 am to 9:00 am: Breakfast //// 12:45 pm to 2:00 pm: Lunch //// 7:00 pm to 8:30 pm: Dinner

Accompanying Faculty: Mr. Ligo Koshy, Mr. Arun Prem, Mr. Pavin Thadathil, Ms. Tintu Joseph and Ms. Preetha G Panicker

Students @ MII COCOCOLA



@MII DAIRY DAY



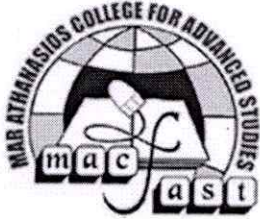
@MII PARLE G



@MII RAMOJI FILM CITY



2017-19 Batch



MACFAST INDUSTRY INTERFACE - 2018: 18th March 2018, Sunday to 25th March 2018, Sunday - SCHEDULE
Sreshta and Daksha (2nd Semester MBA 2017-2019 batch)
Total no. of students enrolled: 93

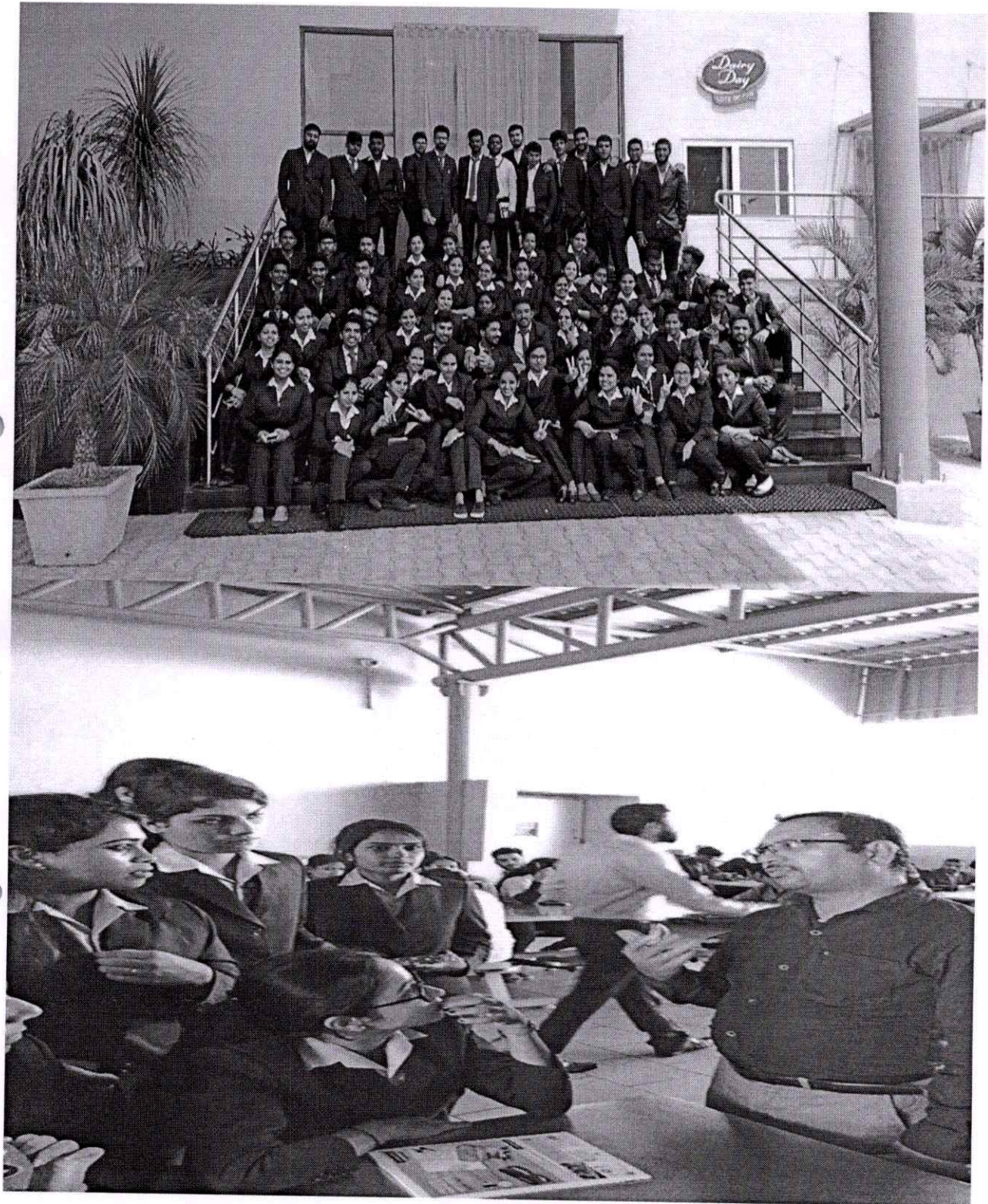
DAY	TIME	COMPANY	WEBSITE	ACTIVITY
18 th Mar (Sunday)	4:00 pm	Reporting time at MACFAST		
19 th Mar (Monday)	ETA @ 6:30 am	Art of Living International Centre, Bengaluru	www.artofliving.org	Check-in, breakfast
	10:45 am - 12:45 pm			YES+ Life skills training: Listening and effective communication skills
	2:30 pm - 5:30 pm			YES+ Life skills training: Coping with stress and emotions
	8:30 pm - 9:30 pm			YES+ Life skills training: Team skills/Group dynamics
20 th Mar (Tuesday)	6:00 am - 7:30 am	Art of Living International Centre, Bengaluru	www.artofliving.org	YES+ Life skills training: Yoga and stretching exercises

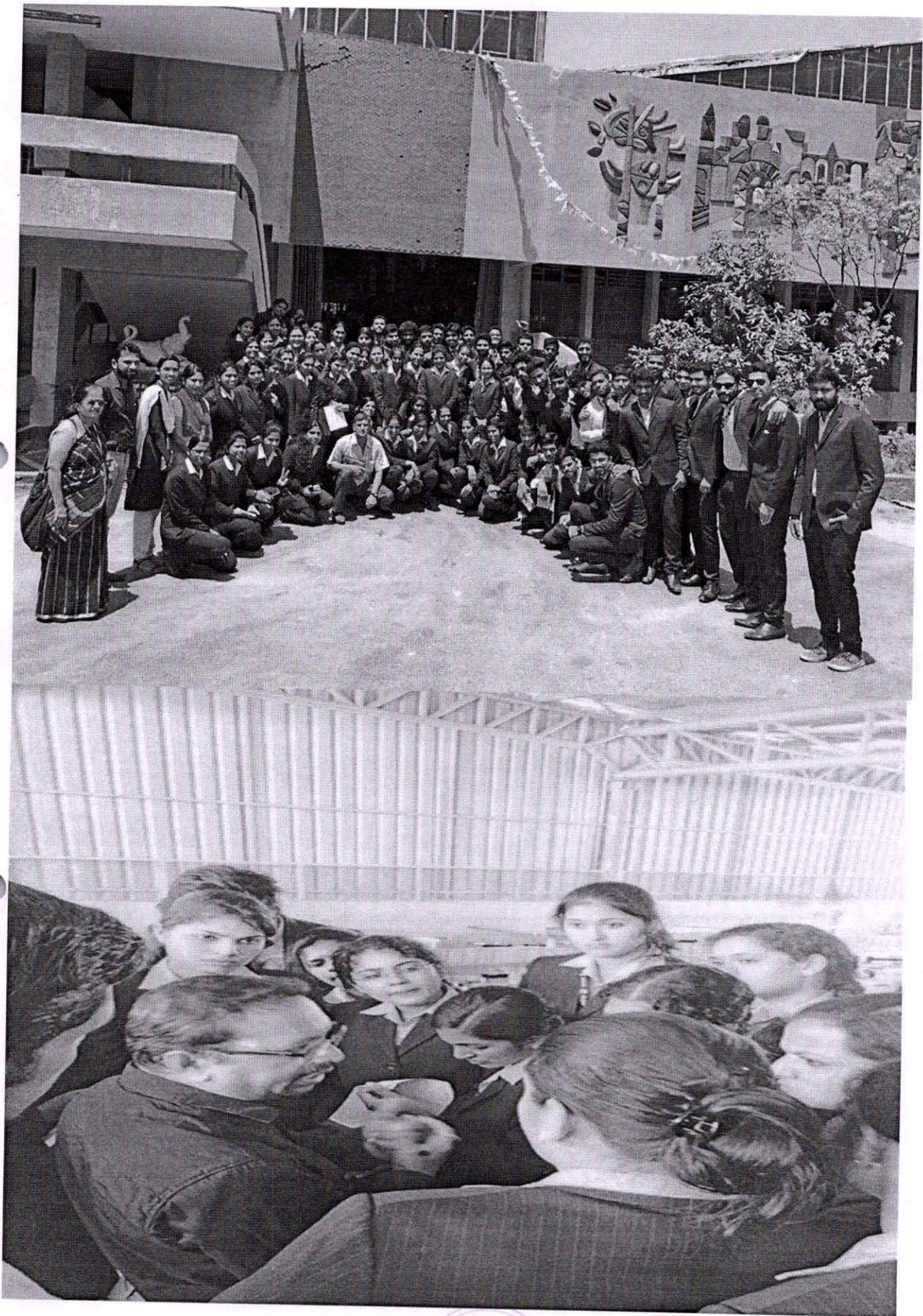
	9:30 am – 12:30 pm			YES+ Life skills training: Interpersonal relationship and people skills
	2:30 pm to 5:30 pm			YES+ Life skills training: Time management and teamwork
	8:30 pm to 9:30 pm			YES+ Life skills training: Health habits and environment
21 st Mar (Wednesday)	6:00 am – 7:30 am	Art of Living International Centre, Bengaluru	www.artofliving.org	YES+ Life skills training: Yoga and stretching exercises
	9:30 am - 12:30 pm			YES+ Life skills training: Self-awareness/attitude and behavior
	2:30 pm – 5:30 pm			YES+ Life skills training: Problem-solving, Decision making and leadership
	8:30 pm – 9:30 pm			YES+ Life skills training: Concentration and memory, choosing a career and planning for it, Company visit review
22 nd Mar (Thursday)	10:00 am-12.00 noon	Dairy Day Ice-cream	www.dairydayicecream.com	Manufacturing/Business process briefing and Manufacturing facility visit

	2:30 pm-5:30 pm	Unibic Biscuits India Pvt.Ltd.	www.unibiccookies.co.in	Manufacturing/Business process briefing and Manufacturing facility visit Company visit review
23 rd Mar (Friday)	10:30 am – 12:30 pm	Karnataka Soaps and Detergents Limited (KSDL) (Mysore Sandal Soap Factory)	http://202.138.105.9/mysoresandal/index.php	Manufacturing/Business process briefing and Manufacturing facility visit
	After noon			Company visit review
24 th Mar (Saturday)	10:00 am – 12:00 noon	Stovekraft	www.stovekraft.com	Manufacturing/Business process briefing and Manufacturing facility visit
	After noon			Return to MACFAST
25 th Mar (Sunday)	ETA @ MACFAST by 8:00 am			
<p>Mess hall timings at Art of Living International Centre</p> <p>7:30 am to 9:00 am: Breakfast</p> <p>12:45 pm to 2:00 pm: Lunch</p> <p>7:00 pm to 8:30 pm: Dinner</p>				



Students @MII Bangalore and Hyderabad







PROPOSED STUDY TOUR OF M.Sc. STUDENTS 2020

Departure			Arrival			Train No
Date	Place	Time	Date	Place	Time	
28/2/2020	Tiruvalla	19:35	29/2/2020	Chennai	10:00	12696
29/2/2020	Chennai	19:15	2/3/2020	New Delhi	06:30	Train no 12615
2/3/2020	New Delhi	14:35	2/3/2020	Chandigarh	19:03	UHL JANSHATABDI(12057) STAY AT Chandigarh
3/3/2020	Visit to National Agri Biotech Institute Mohali at 9 am Visit to IISER Mohali at 2pm					To Manali by bus
4/3/20	Manali					Stay at Manali
5/3/20	Rohtang Pass					
6/3/20	IARI Regional Station at Katrain.Kullu					To Shimla by bus
7/3/20	Visit to CPRI, Shimla					
8/3/20	Visit to Indian Institute of Advanced Studies, Kufri and Annadale					
8/3/20	Kalka	23:55	9/3/20	Delhi	6: 25	KALKA MAIL(12312)
9/3/20	Visit to NIPGR at 1.30pm					
10/3/20	PUBLIC HOLIDAY DUE TO HOLI					
11/3/20	New Delhi	11:25	13/3/20	Tiruvalla	11:44	KERALA EXPRESS(12626)

Accompanying teachers

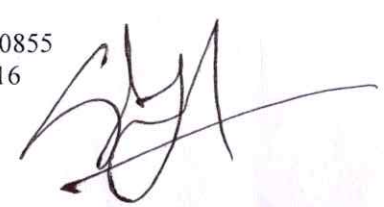
Mr Biju -9447121718/ 08929452181

Dr Blessan- 7025403827; Er.Ebin- 9597140564

Ms.Samitha-9961845421; Er. Femin- 8939431029; Er.Gigin-9497746052

Hotel and local Transport at Shimla and Manali- Mr. Pankaj Sharma-9816310855

Hotel and local transport at Delhi - Mr Reji, Malabar Hotel-9891424516



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(NACFAST)
Tiruvalla - 689 101
Kerala

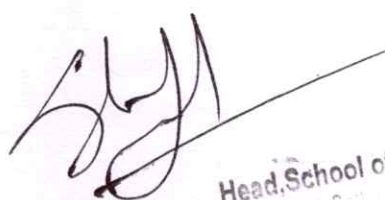
TRAVEL PLAN OF PROPOSED STUDY TOUR OF M.Sc. STUDENTS

FROM 3rd APRIL 2019 TO 16TH APRIL 2019

Departure			Arrival			Mode of Travel
Date	Place	Time	Date	Place	Time	
3/4/19	Tiruvalla	14:00	3/4/19	Alleppey	15:00	Bus
3/4/19 (Wed)	Alleppey (ALLP)	16:25	5/4/19 (Fri)	H NIZAMUDDIN (NZM)	14:15	Train No. 22633
Stay at New Delhi						
6/4/19 (Sat)	New Delhi (NDLS)	06:45	6/4/19 (Sat)	Dehradun (DDN)	12:50	DEHRADUN SHTBDI (12017)
Stay at Dehradun						
7/4/19				Visit to Rishikesh		
8/4/19				Visit to FRI labs		
9/4/19				Visit to LBSNAA Mussorie -10 am Contact No. 0135-2222335		
9/4/19	Dehradun	23:30	10/4/19	New Delhi	05:20	NANDA DEVI EXP(12206)
Stay at New Delhi						
10/4/19				Visit to NIPGR-10am ,JNU- 2.30 pm		
11/4/19				Visit to ICAR-IARI		
12/4/19				Visit to CSIR-IGIB -10 am 2pm FICCI-FRAC,Plot No.2A, Sector-8, Dwarka, New Delhi, Delhi 110077 IIP Plot No. 21, Functional Industrial Estate, Patparganj, Delhi, 110092 Phone: 011 2216 6704		
13/4/19				Visit to Agra		
14/4/19	H.Nizamuddin	09:15	Ernakulam (ERS)	16/4/19	10:50	MNGLA LKSDP EXP(12618)
16/4/19	Ernakulam (ERS)	11:35	Alleppey (ALLP)	16/4/19	13:15	ALLEPPEY EXP(16308)
16/4/19	Alleppey	13:30	Tiruvalla	16/4/19	14:30	Bus

Accompanying Teachers

Biju Dharmapalan-9447121718/ 8929452181
 Dr Blessan Santhosh George-7025403827
 Ms Pinchu Elizabeth Thomas- 9446401391
 Ms.Samiha Sara Araham-9961845421
 Er.Gigin P- 8848203936
 Er.Ebin- 7904745643




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 Kerala, India

2018-2019

Institution	Date of visit	Students batch	No of students attended
FRI Dehradun, LBSNAA Musorie, JNU, NIPGR, IGIB, IIP, IARI Delhi	3rd April to 16th April 2019	2018-20 batch (Food Technology and quality assurance. Biochemistry, Biotechnology, Plant Biotechnology, Phytomedical Science and Technology, Bioinformatics)	75

2019-2020

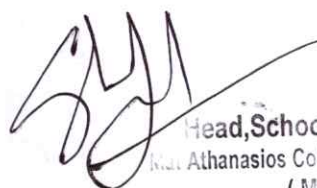
Institution	Date of visit	Students batch	
National Agri Biotech Institute Mohali • IISER Mohali • IARI Regional Station at Katraian. Kullu • ICAR-CPRI, Shimla • Indian Institute of Advanced Studies, Shimla • NIPGR, New Delhi	28 th February to 13th March 2020	2019-21 batch (Food Technology and quality assurance. Biochemistry, Biotechnology, Plant Biotechnology, Phytomedical Science and Technology, Bioinformatics)	85


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Kerala, India

Industrial Visit training programme

2017-2018

Institution	Date of visit	Students batch	No of students attended
Sree ChitraThirunal Institute of Medical Sciences and Technology, Trivandrum and IISER Trivandrum	25th and 26th October 2017	2017-19 batch (Biochemistry, Biotechnology, Plant Biotechnology, Phytomedical Science and Technology, Bioinformatics)	40
Modern Breads, Milma Kochi and NIFPHAT	27th November 2017	Food Technology and Quality Assurance (2017-19 batch)	28
IISc , NCBS, C-CAMP , SAMI Labs, Visvesvaraya Industrial and Technological Museum, (VITM), Bangalore,	4th to 10th June 2018.	2017-19 batch (Biochemistry, Biotechnology, Plant Biotechnology, Phytomedical Science and Technology, Bioinformatics)	40
CFTRI, DFRL Mysoru, MYMUL DAIRY, ICRISAT, NIN Hyderabad and Pondicherry University	10th to 19th September 2018.	Food Technology and Quality Assurance (2017-19 batch)	28
TBGRI Palode and IISER Trivandrum	3rd and 4th October 2018.	2018-20 batch (Biochemistry, Biotechnology, Plant Biotechnology, Phytomedical Science and Technology, Bioinformatics)	39
CFTRI Mysoru	3rd to 5th October 2018	Food Technology and Quality Assurance (2018-20 batch)	38



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Travel Plan of Proposed Study Tour of the Students of Mar Athanasios College for Advanced Studies Tiruvalla

DEPARTURE			ARRIVAL			Mode of Conveyance
Date	Place	Time	Date	Place	Time	
17/05/2017	Tiruvalla-TRVL	09:30	17/05/2017	Alleppey-ALP	10:30	Bus
17/05/2017	Alleppey-ALP	11:35	19/5/2017	Amritsar Jn. - ASR	19:45	12483/ Kochuveli- Amritsar EXP.
19/05/2017	STAY AT AMRITSAR					
20/05/2017	Visit to Guru Nanak University, JAGS Food Industry, Wagah Border STAY AT AMRITSAR					
21/05/2017	Amritsar Jn.-ASR	05:15	21/05/2017	Chandigarh-CDG	09:25	12242/ASR- CDG SUP (Amritsar - Chandigarh SF Express)
21/05/2017	Chandigarh-CDG	10:33	21/05/2017	Kalka-KLK	11:10	14095/ Himalayan Queen Exp.
21/05/2017	Kalka-KLK	12:10	21/05/2017	Simla-SML	17:30	52455/ Himalayan Queen
21/05/2017	STAY AT SHIMLA					
22/05/2017	Visit to ICAR-Central Potato Research Institute and Indian Institute of Advanced Study. STAY AT SHIMLA					
23/05/2017	Shimla	07:00	23/05/2017	Kinnaur, H.P.	18:00	Bus
23/05/2017	STAY AT KINNAUR					
24/05/2017	Kinnaur	10:00	24/05/2017	Chitkul, H.P.	13:00	Bus
24/05/2017	STAY AT CHITKUL					
25/05/2017	Sightseeing at Chitkul, Sangla STAY AT CHITKUL					
26/05/2017	Chitkul	09:00	26/07/2017	Kalpa, H.P.	11:30	Bus
26/05/2017	Visit Lipa-Asrang Wildlife Sanctuary. STAY AT KALPA					
27/05/2017	Kalpa	09:00	27/05/2017	Kalka-KLK	22:00	Bus
28/05/2017	Kalka-KLK	06:15	28/05/2017	New Delhi-NDLS	10:20	120006/ Kalka-New Delhi Shatabdi Exp
28/05/2017	Visit to National Museum & Local Sightseeing. STAY AT DELHI					
29/05/2017	Visit to JNU, NIPGR, IARI. STAY AT DELHI					
30/05/2017	H.Nizamuddin-NZM	05:50	01/06/2017	Aluva-AWY	04:53	12646/ ERS MILLENNIUM EXP.
01/06/2017	Aluva-AWY	06:15	01/06/2017	Tiruvalla-TRVL	08:33	12623/ TRIVANDRUM MAIL

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Kerala, India

Proposed Study Tour of M.Sc. Food Science Students (8th August to 12th 2016)

Departure			Arrival		
Date	Place	Time	Date	Place	Time
8/8/16 Day 1	MACFAST	6.30 am	8/8/16	Ooty Via Palakkad visiting Industries on the way	20:30 (8.30pm)
Stay Arranged at Hotel Sanjay, Charring Cross , Ooty (Phone 09486234440)					
9/8/16 Day 2	Visit to AVIN Milk ,UPASI, Tea Museum,Botanical garden				
Stay at Ooty					
10/8/16 Day 3	Ooty	7am	2/7/14	NESTLE NANJANGUD Mysore Visit to DFRL Stay at Mysore Hotel M B International, Mysore 3147, Bangalore Nilgiri Road, Convent Road, Near Five Light Circle, Mysuru, Phone: 096206 72223	10am 2:30 pm
11/8/16 Day 4				Visit to CFTRI, Mysore Head Information and Publicity Department CFTRI, Mysore-570020 (E-mail: iandp@cftri.res.in ; Tel:0821-2515910)	10am
11/8/16 Day 5	mysoru	6pm	12/8/16	MACFAST	10 am

Accompanying staff: Biju Dharmapalan (9447121718), Arun K Das (7560810023),

Ms.Sherry M.Varghese (9645956675), Ms Pinchu (9446401391),Ms.Merlin (9605023177)

Drivers

Mr Manikuttan , VEENA TRAVELS CHANGANASERRY , 8547244166

Mr Jose -9656962131



Proposed Study Tour of M.Sc. Food Science Students (8th August to 12th 2016)

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Date	Place	Time	Date	Place	Time
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