

2015-16

FDP
on

"MODERN BIOTECHNIQUES"

Registration Form

Name: _____

Designation: _____

College: _____

Address: _____

Area of Interest: _____

Mobile: _____

Email: _____

Signature:

Signature of HOD

Organising Committee

Chief Patrons:

Shri.P.Raja Rao
Chairman, BoG,
Prathyusha group of Companies

Mrs.P.Prathyusha, CEO

Patrons:

Dr.P.M.Beulah Devamalar,
Principal

Dr.V.Thulasi Bai,
Vice Principal

Coordinator:

Dr. P. Dhasaradhan,
Head, Dept of Biotechnology

Co-Coordinator:

Dr.M.S.Lipin Dev,
Asst. Prof.
Dept of Biotechnology

**For further details please
contact:**

Dr.P. Dhasaradhan
Email:

hod.biotech@prathyusha.edu.in
Land Line: 044 37673767

**PRATHYUSHA ENGINEERING
COLLEGE**

Aranvoyaluppam, Poonamallee-Thiruvallur Road,
Thiruvallur, Tamil Nadu 602025



**FACULTY DEVELOPMENT
PROGRAMME**

ON

**"MODERN
BIOTECHNIQUES"
18th Jan - 25th Jan 2016**

Organized by

Department of Biotechnology

In Association with

MEDOX PVT. LTD, Chennai

About the College:

Prathyusha Engineering College (PEC) is established by Prathyusha Educational Trust. The college is situated at Aranvayalkuppam along Poonamallee-Tiruvallur high road. PEC, a Telugu minority institution is affiliated to Anna University, Chennai and approved by AICTE. PEC is accredited by NBA and certified with ISO 9001-2008 and stepping into a glorious 14th year of meaningful educational service.

PEC offers undergraduate programmes in B.E., (ECE, EEE, CSE, Civil and Mech.) and B.Tech., (IT and Biotech) and 6 postgraduate programmes (including CSE, Communication systems, power electronics). PEC's aesthetically designed campus is spread over 36.33 acres and has about 5,13,605 sq.m. build-up area. Excellent infrastructure facilities, well maintained eco-friendly campus, digital classrooms, state-of-the-art laboratories, modern library, separate hostel for boys and girls and students' centric academic ambience are just a few of the many sterling features that go into making PEC a front runner in technical education.

About the Department:

The Department of Biotechnology was started in the academic year 2001-02 and offers B.Tech (Biotechnology) programme. The department is accredited by NBA. The department has well furnished state-of-the-art laboratories like Biochemistry lab, Genetic engineering lab, Bioprocess lab, Computational Biology Lab and Chemical engineering lab. It has 12 faculty of which 6 are Ph.Ds and 3 are pursuing Ph.D. The department is a front runner in research and development activities and organising seminars/conferences/symposia etc.

About the programme:

Our understanding on life has improved dramatically over years with the advent of newer advancements in biotechnology research. In the last two decades, it has entered an altogether a new phase with the emergence of "Molecular biology" era. Outcomes of research in this area are expected to bear fruit providing lasting solutions to most of our problems including environmental issues and deadly diseases.

Keeping the importance of this emerging field in mind, the FDP has been designed to update faculty on the advancement and emerging scenario. Faculty from premier institution have been invited to address participants.

Who can participate?

Members of faculty belonging to Department of Biotechnology of Engineering colleges affiliated to Anna University, Chennai could participate in the FDP. Preference will be given to faculty who teach this subject or taken up research in this area.

Registration:

There is no registration fee for the programme. Transport and local hospitality will be taken care.

Filled in registration forms duly forwarded by the HOD to be submitted on or before **5.01.2016**. Scanned copies of the filled in registration forms shall be forwarded to the mail id given in the contact.

THIRUVALLUR 602025

DEPARTMENT OF BIOTECHNOLOGY

FDP ON MODERN BIOTECHNIQUES

ATTENDANCE SHEET (18.01.2015 – 25.01.2016)

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PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
TIRUVALLUR – 602 025

THIS CERTIFIES THAT

Mr. K. cholepandian

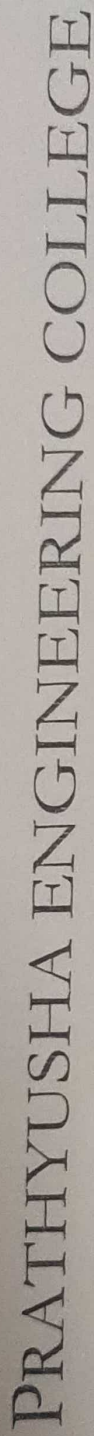
has successfully completed the FACULTY DEVELOPMENT PROGRAM ON
“MODERN BIOTECHNIQUES” CONDUCTED by MEDOX PVT. LTD and the
Department Of Biotechnology, PEC, Tiruvallur between 18-JAN 2016 to 25-JAN 2016.

COORDINATOR

INDUSTRY PARTNER

HOD

PRINCIPAL



DEPARTMENT OF BIOTECHNOLOGY


TIRUVALLUR - 602 025

THIS CERTIFIES THAT

Mrs. G. Lavanya

has successfully completed the FACULTY DEVELOPMENT PROGRAM ON “**MODERN BIOTECHNIQUES**” CONDUCTED by MEDOX PVT. LTD and the Department Of Biotechnology, PEC, Tiruvallur between 18-JAN 2016 to 25-JAN 2016.

~~COORDINATOR~~

INDUSTRY PARTNER

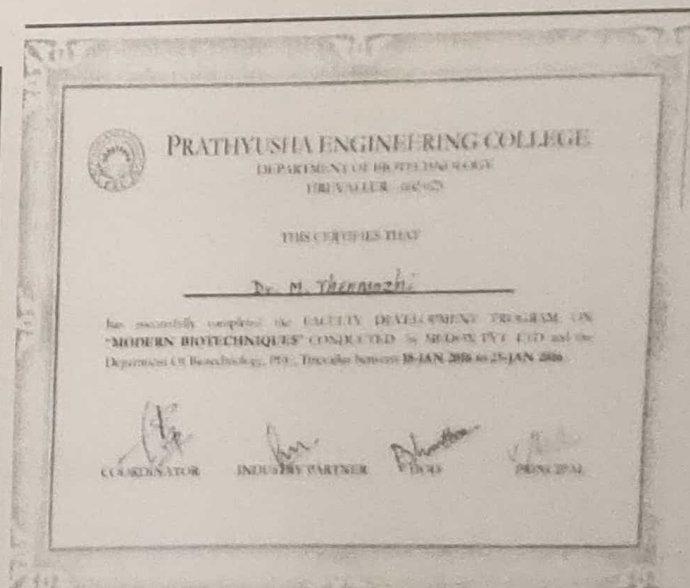
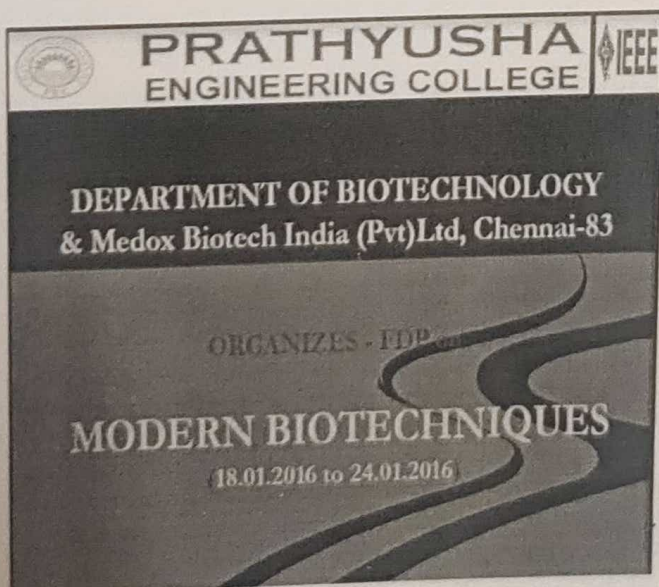
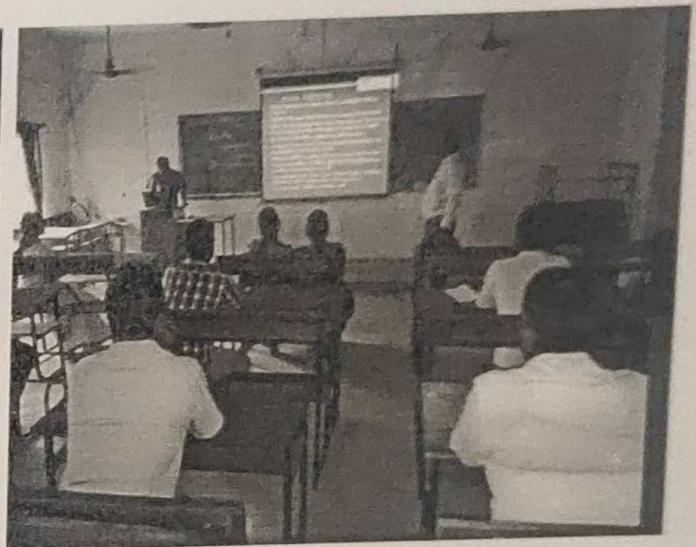
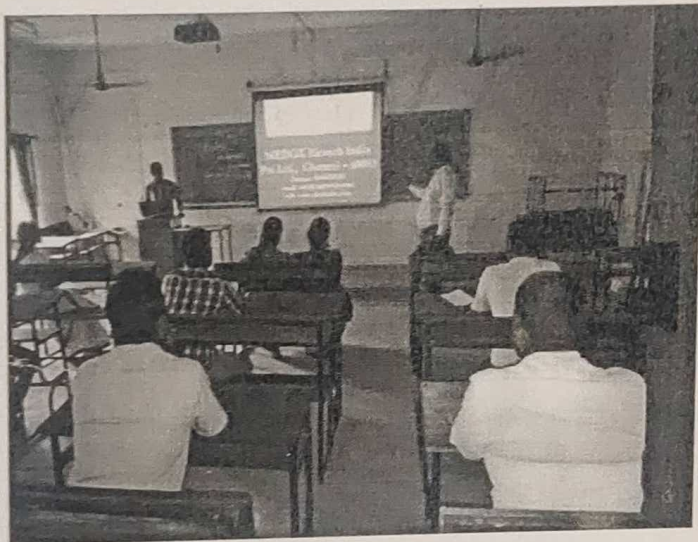
HOD
P. Chandra
HOD

V. Thakur
PRINCIPAL

Prathyusha Engineering College
Department of Biotechnology

Department of Biotechnology, Prathyusha Engineering College collaborated with Medox Biotech private Ltd., jointly organized Faculty Development Program on Modern Biotechniques were organized from 18.01.2016 to 25.01.2016. Totally 12 faculty members were participated.

The Event had two session per day. The sessions were handled by Medox Team members by explaining the recent techniques introduced in molecular biology. The first session was started with explaining about Medox lab facility and the productions in the company. Followed by afternoon session was hands on training on modern techniques implemented in Medox. Everyday with new techniques includes modernized electrophoresis kit, preparation of various Kit for Immunological assays and molecular assay. Participants were benefitted by gaining more relevant techniques in modern molecular techniques.



03.08.2015

From

The HOD
Department of Biotechnology
PITAM

To

The Principal
PITAM

Respected Madam,

Sub: Requesting to permit III year students for Industrial visit - Reg.

The students of the III year B.Tech have the subjects "Genetic Engineering" in this semester. In this connection, it has been planned to take them to "Medox Biotech Pvt Ltd", Gummudipoondi to visit their production unit and a live demo of the process.

In consultation with the Managing Director of the Medox Biotech, 05.08.2015 has been fixed for the visit. Forty five Students along with Mrs. H.Archana and Mr. K. Ram will leave the campus by 8.30 AM. Your kind permission is requested to take the trip and also to provide college bus facility to take the students from the campus to the Medox Biotech. I requested you to kindly provide lunch parcel for 30 students.

Thanking You.

Sincerely Yours

P. Dhasarathan

(Dr. P. Dhasarathan)

Mess & H. V. V. V. V.
Per N.A.

Permitted
Secretary

+7

DEPARTMENT OF BIOTECHNOLOGY

III YEAR (Batch: 2013-2017)

INDUSTRIAL VISIT

Venue : Medox, Gummudipoondi

Date : 05-08-2015

Staffs : Archana. H, Ram. K

Purpose of Visit : To observe the preparation, packaging and production of the Biotechnological Kits (Molecular Biology and Immunology)

About the Company : MEDOX Biotech manufactures a wide range of products like Molecular Biology Kits, Reagents, Micropipettes, Biotechnology & Immunology Teaching Kits, Gel Electrophoresis Systems, Power Supplies, Transilluminators, Electrophoresis Reagents, etc. MEDOX Biotechnology & Immunology Teaching Kits are manufactured with the techniques obtained from Centre for Biotechnology, Anna University & Department of Animal Biotechnology, Madras Veterinary College, TANUVAS respectively under the trade name of MEDOX-BIO.

Course of Visit : The chemicals used in the Biotechnological kits, their preparation and storage were explained. The process of plant tissue culture was demonstrated and each of its stages were explained with the cultivated plants.

Relevance to the Syllabus : Owing to the presence of Molecular Biology Lab in the syllabus, it was useful in learning about the kits used. Understanding the process of Plant Tissue Culture is essential in the study of Biotechnology.

FEEDBACK REPORT ON INDUSTRIAL VISIT

- MEDOX PVT (LTD), SIKRER, GUMMIDIPURAM

We, the students of Piyya Biotech visited Medox company on 28.2.13. We have first visited the instrumentation lab and gained knowledge in the manufacture of micropipette and shown about the manufacture of microscope and other genetic engineering works, which left us with adequate knowledge on the field.

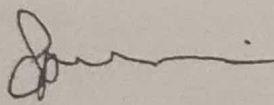
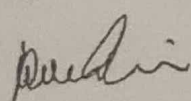
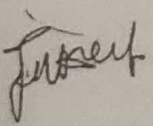
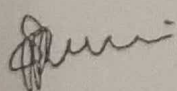
Next we had visited the plant tissue culture lab, where the media preparation of and tissue culturing methods were explained in detail by which the tissue culturing method was clearly understood.

Simultaneously where were also of shown the fermenter and the sterilization units - namely the autoclave and other equipments and a deep knowledge about the basic principle was achieved.

Last, we were also thought about the sterile handling and solution preparation which are used in various experiments in Biotechnology.

On the whole, we were all able to gather very basic and certain advanced techniques in different field area of biotechnology, which we are in need and also will be useful to carry out the project work in near future.

STUDENTS SIGN

- i.  (Srividhya)
2.  (Radhika)
3.  (Janet Jashiba)
4.  (Suganya)

PRATHYUSHA ENGINEERING COLLEGE

DEPARTMENT OF PLACEMENT, TRAINING AND STUDENT AFFAIRS

4th February 2016

CIRCULAR

To
All Directors/HODs
PEC

Placement of student(s) in M/s. Harita Techserv Ltd

We are glad to inform that the u/m students have been placed in Harita Techserv Ltd during the On Campus Recruitment programme held at PEC SEMINAR HALL for the benefit of 2016 passing out Mechanical Engineering Students on 3rd February 2016.



Mr. Sarath Chandra



Mr. S. Vinoth



Mr. R. Gowtham



Mr. Sankar Teja



Mr. Saravana Pandi



Mr. Sai Prabhu Raj



Mr. N. Balaji

Our Heartfelt congratulations to all our dear students who have been placed in Harita Techserv Ltd.

Our sincere thanks are also due to the HOD, Dr. S. Mahadevan, Professor, Placement Coordinator and all faculty members of the Department of Mechanical Engineering who are really behind this success. Well done! Hats off to you all!

PTO

1.12.2015
Chennai

From

P. JAYARAMAN,
The HOD,
Department of Mechanical Engg.,
Prathyusha Inst of technology and Management, Aranvoal kuppam, Trivellore-602025

To,

The HR manager,
Future Automation India Pvt. Ltd
PERUNGUDI, CHENNAI

Sir,

Sub: Permission to undergo an industrial visit in your organization-reg;

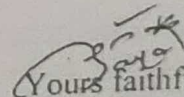
As part of co-curricular activities, the UG students should have an exposure to the activities of industry related to their curriculum. In this connection our Third year students (40) of MECHANICAL ENGINEERING wish to visit your organization, accompanied by two of our staff members. I request you to kindly grant them permission to visit your organization. I request you kindly address the students highlighting the significance of the industry-University interaction and its benefits. I welcome your suggestion to have joint activities between your organization and our institution.

We will be obliged if you can permit them to visit your organization on 11.12.2015 else any convenient days as per your availability.

I request your kind co-operation in this regard.

Thanking you and with regards

Place: Thiruvallur


Yours faithfully

Head
Department of Mechanical Engineering
Prathyusha Engineering College
Aranvoyal kuppam
Thiruvallur - 602025.

REPORT ON INDUSTRIAL VISIT (MECHANICAL DEPARTMENT)

Name of the staffs / designation	Dr. P. Mohamed Ali Assistant Professor	Date	11.12.2015
Department	Mechanical Engineering	Type of Programme	INDUSTRIAL VISIT
Venue	Perungudi,	Title of Programme	INDUSTRIAL VISIT

ABOUT INDUSTRIAL VISIT

The students of II Year Mechanical engineering visited M/s Future Automation India Pvt. Ltd, on 11.12.2015.

ABOUT INDUSTRY

Nature of Business: Cylinder Block, Cylinder Head Manufacturing Company

Company Address: Panchayat Office Rd, Phase-1, Vijayendra Nagar, Perungudi, Chennai, Tamil Nadu 600096

About Company:

M/s Future Automation provides innovative light weighting solutions for the global automotive industry and the advancement of sustainable mobility. We exceed expectations while driving growth and profitability. A high-tech auto parts supplier, M/s Future Automation Aluminum Castings India Private Limited was founded in Chennai, India in 2010. As M/s Future Automation's first plant in India, it provides high-tech aluminum cylinder heads and engine blocks for Ford, Tata and Renault.

Located in the Ford Supplier Park-II, M/s Future Automation Chennai plant covers an area of 435,000 square feet (40,468 square meters) with total investment of USD 33 million. M/s Future Automation Chennai plant specializes in manufacturing high-tech aluminum components including cylinder heads and engine blocks, providing light-weight solutions for the premium brands in the automotive industry.

The casting technologies applied at this plant are:

1. High Pressure Die Casting
2. Gravity Die Casting

OUTCOME OF INDUSTRIAL VISIT:

1. Students understand the process of casting of cylinder block and head.
2. Students learned about casting methods.
3. Students viewed different testing method of inspection of defects.
4. Students aware of Safety aspect in industries.
5. Students understand different heat treatment methods for hardening and aging.

PHOTO OF INDUSTRIAL VISIT



11.12.2015
Chennai

From

P. JAYARAMAN,

The HOD,

Department of Mechanical Engg.,

Prathyusha Inst of technology and Management, Aranyoal kuppam, Trivellore-602025

To,

The HR manager,

AL-SAFA INTERNATIONAL PVT. LTD.,

PERUNGUDI, CHENNAI

Sir,

Sub: Permission to undergo an industrial visit in your organization-reg.

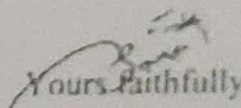
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I request your kind co-operation in this regard.

Thanking you and with regards

Place: Thiruvallur


Yours Faithfully

Head

Department of Mechanical Engineering

Prathyusha Engineering College

Aranyoalkuppam

Thiruvallur - 602025.