



B. V. RAJU COLLEGE

VISHNUPUR:: BHIMAVARAM

[Affiliated To Adikavi Nannaya University, Rajamahendravaram]



ACADEMIC YEAR - 2021-2022

DEPARTMENT OF LIFE SCIENCES

NAME OF THE PROGRAMME	EDUCATIONAL VISIT TO CTRI ,Rajamahendravaram (Central Tobacco Research Institute)
DATE	19/08/2022
TIME	10 AM to 3PM
CONDUCTED BY	LIFE SCIENCES DEPARTMENT
NATURE OF THE PROGRAMME	EDUCATIONAL TOUR

We Department of Life Sciences conducted one day Educational visit to CTRI (Central Tobacco Research Institute), Rajamahendravaram on 19-08-2022. 45 students from II MBBTBC and II BTCC groups were participated in this programme. 4 faculty members also accompanied with students. Students visited Biotechnology, crop improvement, Biochemistry, microbiology laboratories, nursery and museum in CTRI. They gained excellent knowledge on recent instrumentation in our Life Science laboratories.

VISIT -1

CONFERENCE HALL

All students gathered at CTRI conference hall after reaching CTRI and Dr .Y. Subbaiah and Dr. Hema Baliwada will explain about history of CTRI and briefed about on-going work in the CTRI.



VISIT -2

Museum



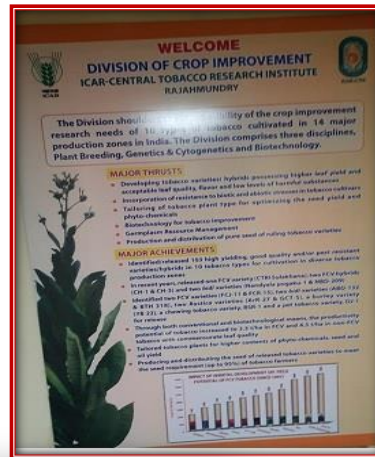
Students visited msseum as a part of educational visit Dr. Hema will explain about process of Tobacco cultivation ,harvesting and varies varities in tobacco and ultervative tobacco extracts[Solanesol]from tobacco .

Solanesol: is used as anti-cancer drug.

VISIT -3

Crop-improvement lab

Students visited crop-improvement division and interacted with Dr Prabhakar and he explained about new varieties introduced by CTRI with reduction of toxicity to human health. He also explained about different varieties in tobacco based on colour of leaf, based on ultimate usage, based on curing method.



VISIT -4

BIOTECHNOLOGY LAB-1



Dr.Prabhakar explaining about Micro pipettes and Cooling Centrifuge.

Micro pipettes are essential laboratory tools which are used to accurately and precisely transfer volumes of liquid in the microliter range.

A cooling centrifuge is used for the separation biomolecules in native form and also used for separation of temperature-sensitive heterogeneous mixtures of samples.

VISIT -5

BIOTECHNOLOGY LAB -2



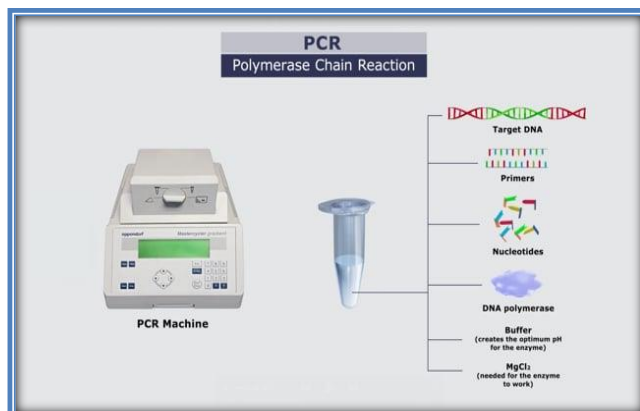
Dr.Prabhakar explaining about the types of Gel Electrophoresis and uses of Gel Documentation System [gel –doc]

Gel electrophoresis is a laboratory method used to separate mixtures of DNA, RNA, or proteins according to molecular size. gel most typically used are agarose and polyacrylamide gels.

DNA ladders and markers ranging from 10 bp to 50 kb are used for accurate analysis of linear dsDNA in agarose gels. Ethidium Bromide, is the stain which mainly used in this gel electrophoresis technique.

VISIT -6

BIOTECHNOLOGY LAB -3



Dr. Prabhakar explaining about polymerase chain reaction [PCR] role in Biotechnology research.

The thermal cycler (also known as a thermocycler, PCR machine or DNA amplifier) is a laboratory apparatus most commonly used to amplify segments of DNA via the polymerase chain reaction (PCR). Each cycle of polymerase chain reaction has three steps. They are: 1] Denaturation 2] Annealing 3] Extension:

Polymerase chain reaction has many advantages. It is a highly sensitive technique and gives results rapidly. It is simple and easy to understand. It is highly specific and is an important tool in research and biotechnology. Millions and billions of copies of the desired gene can be produced, which can be utilised for various purposes such as sequencing, analysis and cloning.

VISIT -7

Tobacco Nursery



Students are observing tobacco Nursery and growth of tobacco plants. They acquired knowledge on growing tobacco plants and the commercial benefits of tobacco plant products.





B.V. Raju College

(Formerly Dr. B.V. Raju Institute of Computer Education)
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Date: 16/08/2022

From,

PRINCIPAL,
B V RAJU COLLEGE
Vishnupur, Bhimavaram

To,

DIRECTOR,
CENTRAL TOBACCO RESEARCH INSTITUTE
BHASKARNAGAR
RAJAMAHENDRAVARAM
E.G DIST, AP.

Sub: Permission for educational visit to CTRI –Reg

Sir,

We wish to send our 2nd year B.Sc biotechnology students(75members) to visit your research institute in the third week of August– 2022[19/08/2022]. Kindly permit them to visit your institute and improve their knowledge and expertise in the research field.

We hope a positive response from good your end.

Thanking you

With regrads



your sincerely

Principal
PRINCIPAL
B.V. RAJU COLLEGE
Vishnupur, BHIMAVARAM-534 202

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VISHNUPUR BHIMAVARAM

CTRI VISIT

CLASS: II YEAR		GROUP: MB BT BC	
S.NO	STUDENT NAME	REGD NO	SIGNATURE
1	Bh. Jahnvi	203117141385	Bh. Jahnvi
2	B. Meghana	203117141387	B. Meghana
3	Ch. Vinod	203117141390	Ch. Vinod
4	Ch. Krishna	203117141391	Ch. Krishna
5	D. Divya	203117141395	D. Divya
6	D. Nagarjuna	203117141396	D. Nagarjuna
7	G. Sirisha	203117141398	G. Sirisha
8	K. Bargav	203117141403	K. Bargav
9	K. Aruna	203117141404	K. Aruna
10	K. Divyasri	203117141405	K. Divya Sri
11	L. Manasa	203117141406	L. Manasa
12	M. Rupavati	203117141407	M. Rupavati
13	M. Ruchitha	203117141409	M. Ruchitha
14	M. Satish	203117141410	M. Satish
15	M. Reema	203117141411	M. Reema
16	M. Jyothi	203117141413	M. Jyothi
17	M. Vagdevi	203117141414	M. Vagdevi
18	MD. Nargis	203117141416	MD. Nargis
19	M. Asha	203117141417	M. Asha
20	N. Tulasi	203117141418	N. Tulasi
21	N. Ratna kumar	203117141420	N. Ratna Kumar
22	P. Rajamouli	203117141427	P. Rajamouli
23	R. Sravanthi	203117141428	R. Sravanthi
24	R. Nandini	203117141429	R. Nandini
25	S. Rekha	203117141431	S. Rekha
26	S. Keerthi	203117141432	S. Keerthi
27	S. Nikitha	203117141433	S. Nikitha

	Faculty Name	
1	M.E.A.V.V. Rambabu	Rambabu
2	J. Ramesh	J. Ramesh
3	B. Radha sirisha	B. Sirisha
4	G. Sunanda	G. Sunanda

Rambabu
HOD
Head of the Department
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BV RAJU COLLEGE

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CTRI VISIT

CLASS: II YEAR

GROUP : BT BC C

S.NO	NAME OF THE STUDENT	REGD NO	SIGNATURE
1	B. Lohith	203117121228	B. Lohith
2	B. Sowmya	203117121232	B. Sowmya
3	CH. Esther rani	203117121234	Ch. Esther rani
4	CH. Nancy	203117121235	Ch. Nancy
5	CH. Tanusha	203117121233	Ch. Tanusha
6	D. Rani	203117121263	D. Rani
7	E. Merin	203117121238	E. Merin
8	G. Karthikeya	203117121240	G. Karthikeya
9	I. Lakshmi lavanya	203117121245	I. Lakshmi lavanya
10	K. Murthy	203117121252	K. Murthy
11	K. Pradeep	203117121249	K. Pradeep
12	K. Ramasri	203117121251	K. Ramasri
13	K. Vishnu teja	203117121248	K. Vishnu teja
14	P. Aruna	203117121261	P. Aruna
15	P. Jeswanthi	203117121267	P. Jeswanthi
16	S. Asha	203117121272	S. Asha
17	S. Geetha	203117121270	S. G. N. Madhuri
18	S. Manasa	203117121274	S. Manasa

	Faculty Name	
1	M.E.A.V.V.Rambabu	M.E.A.V.V.Rambabu
2	J. Ramesh	J. Ramesh
3	B. Radha sirisha	B. Sirisha
4	G. Sunanda	G. Sunanda

M.E.A.V.V.Rambabu

HOD

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[Signature]
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Department of Life sciences

CTRI VISIT

Academic year 2021-2022

FEEDBACK

NAME OF STUDENT: ch Esther Rami

REG. NUMBER: 203117121234

CLASS: II BTBCC

1) NAME OF EVENT:

2) NAME OF THE ORGANISATION: CTRI

3) STATE TWO IMPORTANT EXPERIENCES : Gained knowledge on biological Research
Gained knowledge how to use lab equipment.

4) PROBLEMS DURING EVENT : NO

5) HOW DO YOU EXPERIENCE THE OVERALL RATING OF EVENT

EXCELLENT

SATISFACTORY

UNSATISFACTORY

6) ANY SUGGESTIONS NO

ch. Esther Rami
SIGNATURE OF STUDENT



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Department of Life sciences

CTRI VISIT

Academic year 2021-2022

FEEDBACK

NAME OF STUDENT: CH. Sai Vinod

REG. NUMBER: 203117141383

CLASS: II MB BTBC

1) NAME OF EVENT:

2) NAME OF THE ORGANISATION: CTRI,

3) STATE TWO IMPORTANT EXPERIENCES : Gained knowledge on biological research
Gained knowledge on usage of lab equipment

4) PROBLEMS DURING EVENT : No

5) HOW DO YOU EXPERIENCE THE OVERALL RATING OF EVENT

EXCELLENT

SATISFACTORY

UNSATISFACTORY

6) ANY SUGGESTIONS No

CH. Sai Vinod
SIGNATURE OF STUDENT