



Ph : 080 - 26933221

BHS HIGHER EDUCATION SOCIETY

VIJAYA COLLEGE

R V ROAD, BASAVANAGUDI, BANGALORE - 560 004

(ACCREDITED BY NAAC WITH 'B' GRADE &
RECOGNIZED BY UGC AS CPE)

EMAIL ID :
principal@vijayacollege.ac.in

Biotechnology workshop

Two-Day Practical Workshop on Genetic Engineering – 13th & 14th Sept. 2019

Report

Department of Biotechnology organized a Two-day Practical workshop on genetic engineering for the students of V Semester B.Sc. Biotechnology on 13th and 14th of September in the college in association with Shreedhar Bhat's Laboratory.

The workshop covered the major experiments of genetic engineering and few experiments of immuno-technology in two days. The experiments conducted were:

1. Isolation of genomic DNA
2. Isolation of plasmid DNA
3. Restriction digestion of DNA
4. Agarose gel electrophoresis
5. Ligation of DNA
6. Gel elution
7. SDS PAGE
8. ELISA

43 students of V semester participated on both the days. Experiments were conducted in batches, dividing the students into 4 batches. 2 batches used biotechnology lab and other 2 batches used zoology lab for conducting the experiments. Printed copies of the principles and procedures of the experiments were distributed to the participants.

Workshop began at 9.30am on Friday, 13th September. Officially inauguration was held at 11am. Dr. Anant K Atre, Dean of Vijaya College and Joint secretary, BHS HES, Prof. Shreedhar Bhat, Director of SBL and Prof. H S Balakrishna, Principal were present for the inaugural function. Dr. Atre insisted the participant students to develop passion about the subject so as to learn the subject better and to serve the mankind.

Professor Shreedhar Bhat, Mrs. Rajani, Mis. Pavithra and Mis. Divya from SBL conducted the workshop experiments explaining the theory part to the participants.

Students showed keen interest in the experiments and did them carefully. While conducting the experiments student participants learnt to use several instruments like Ultra centrifuge, SDS PAGE unit, Agarose gel electrophoresis unit, micropipettes and UV trans illuminator. They learnt techniques like preparation of gel, gel loading, gel elution and gel staining.



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Experimentation and end results were shown both the days to several other students also (about 34), those who could not participate in the workshop.

Shreedhar Bhat's Laboratory provided the all the materials required for the experiments of the workshop.

Valedictory session was held on Saturday, 14th September. Sri G V Viswanath, President of BHS HES and Prof. H S Balakrishna, Principal of the college were present for the program. Sri G V Viswanath asked the students to develop techniques to clear the environmental pollution and conserve the nature. Certificates were distributed to all the participants of the workshop. During the program several students gave their feedback about the workshop. Most of the participants said that, workshop gave an opportunity to conduct several experiments, learn the techniques of genetic engineering and thereby to understand the subject and to handle several instruments. They also felt that, 2 days time was short to conduct 8 experiments; instead, it should have been made for 4 days.

The workshop also helped the department to explore its ability in organizing such practical oriented events and boosted the confidence to organize larger events.

Dr. Gopalakrishna
Associate Professor,
H.O.D, Dept. of Biotechnology



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List of students attended the Practical Workshop:

Sl. No.	Name	Sl. No.	Name
1	Akshatha C	23	Neelambari D
2	Akshay Simha N	24	Nidhi BS
3	Anandi Ammal	25	Nityashree B
4	Anzia	26	Nivedita K
5	Ashwini BS	27	Pragati Gowda C
6	Bharath P	28	Prakashraj B
7	Chaitanya ND	29	Preetha A
8	Chaitra AV	30	Priya Kumari G
9	Chandan Kumar HR	31	Priya M
10	Chandana A	32	Pushpa R
11	Deeksha C	33	Rashmi Kammar M
12	Gayathri S	34	Ravikiran N
13	Guna K	35	Revanasiddayya Kudalmut
14	Hamsa R	36	Sindhu HP
15	Indresh Kumar DN	37	Sindhu N
16	Indushree G	38	Sukruth K
17	Kalyan TV	39	Sweetly Sunitha S
18	Kammala Lavanya	40	Tejaswini N
19	Kiran Kumar	41	Vaishali HJ
20	Kususma VK	42	Vaishnavi C
21	Mahesh M	43	Varadaraju V
22	Mamatha Patel		

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List of BSc final semester students attended Educational/Industrial Tour 14.2.2020:

Sl. No.	Name	Sl. No.	Name
1	Akshay Simha N	22	Neelambari D
2	Anandi Ammal	23	Nidhi BS
3	Anzia	24	Nityashree B
4	Ashwini BS	25	Nivedita K
5	Bharath P	26	Pragati Gowda C
6	Chaitanya ND	27	Prakashraj B
7	Chaitra AV	28	Preetha A
8	Chandan Kumar HR	29	Preetha K
9	Deeksha C	30	Priya M
10	Gayathri S	31	Pushpa R
11	Gowtham KV	32	Rashmi Kammar M
12	Guna K	33	Ravikiran N
13	Hamsa R	34	Revanasiddayya Kudalmut
14	Indresh Kumar DN	35	Sindhu HP
15	Indushree G	36	Sindhu N
16	Kalyan TV	37	Sukruth K
17	Kammala Lavanya	38	Sweety Sunitha S
18	Kiran Kumar	39	Tejaswini N
19	Kususma VK	40	Vaishali HJ
20	Mahesh M	41	Vaishnavi C
21	Mamatha Patel	42	Varadaraju V

H.O.D, Dept. of Biotechnology