

**AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY**  
**VINAYAKA MISSION'S RESEARCH FOUNDATION**  
**DEPARTMENT OF BIOTECHNOLOGY**

**Hands on Training on “Basics of Cell and Molecular Techniques” for Higher Secondary Students**

**Dated 12.07.2023 to 14.07.2023**

**Event Report**

A Hands on training program on “**Basics of Cell and Molecular Techniques**” for Higher Secondary Students was Organized by department of Biotechnology, AVIT from 12.07.2023 to 14.07.2023.

**Day 1:**

At 9 am, 40 students from **Evergreen Matriculation Higher Secondary school** accompanied with 2 faculty member reached AV campus through our college bus. They were received by Dr. A. Nirmala, Associate Professor and Head, Department of Biotechnology and Dr. L. Nagarajan, Associate Professor, Department of Biotechnology made them assemble in the Genetic Engineering Lab. A short note of address with Faculty introduction was done by Dr. Nirmala to the crew. Without further ado, the team was segregated into 4 groups and they started with their Hands on training.

**Genetic Engineering Lab:**

First Batch of students underwent with DNA isolation from the Bacterial Cell which was handled by Dr. S. Shanmuga Sundar, Assistant Professor G-II.



### **Biochemistry Lab:**

Second Batch of Students underwent with Qualitative analysis of Sugar handled by Dr.A.Nirmala, Associate Professor and Head.



### **Immunology Lab:**

Third Batch students underwent with Blood grouping test handled by Ms. Subathra M, Assistant Professor.



### Microbiology Lab:

Fourth Batch of students underwent with Staining of micro-organisms handled by Ms. Mohanapriya P, Assistant Professor.



All 4 Batches were handled parallel throughout the day on cyclic way. Around 10.30 AM refreshments were provided for the students and faculty members followed by training. Morning session ended at 12 PM for lunch and again at 12.30 PM the sessions got resumed till 2.45 PM.



All Batches were handled by 4 faculty member. Around 2.45 PM Sessions were closed. The students were given with refreshment drink and they were gathered in Digital Room for the closing session. Session started with the welcome note of Dr. A. Nirmala, Associate Professor and Head followed by the address given by Dr. G. Selvakumar, Principal, AVIT to the school students were he specified about the opportunities given to the students in all means by AVIT. Next feedback session which were student volunteers from the school gave the feedback on this one day training

program were they indicated about the practical knowledge gained and they also indicated that now they could easily correlate with the theory part. They also specified that overall session was very useful and informative. Finally certificates were distributed to the students and School faculty members were honored by Principal. Day 1 was closed successfully.



## **Day 2:**

At 10 am, 102 students from **Government Boys Higher Secondary school, Thiruporur**, students accompanied with 2 faculty member reached AV campus through the transport facility provided by our management. They were received by Dr. A. Nirmala, Associate Professor and Head, Department of Biotechnology and Dr. L. Nagarajan, Associate Professor, Department of Biotechnology and made them assemble in the Genetic Engineering Lab. A short note of address with Faculty introduction was done by Dr. Nirmala to the crew. Without further ado, the team was segregated into 4 groups and they started with their Hands on training. Dr. Giri Rengasamy, Dean, VMRF visited the training session and interacted with the school students throughout the day.

### Genetic Engineering Lab:

First Batch of students experienced with DNA isolation from the Bacterial Cell which was handled by Dr. S. Shanmuga Sundar, Assistant Professor G-II.



### Biochemistry Lab:

Second Batch of Students underwent with Qualitative analysis of biomolecules handled by Dr.A.Nirmala, Associate Professor and Head.



### Immunology Lab:

Third Batch students underwent with Blood grouping test handled by Ms. Subathra M, Assistant Professor.



#### **Microbiology Lab:**

Fourth Batch of students underwent with Staining of micro-organisms handled by Ms. Mohanapriya P, Assistant Professor.



All 4 Batches were handled parallel throughout the day on a cyclic manner. Around 10.30 AM refreshments were provided for the students and faculty members followed by training. The morning session ended at 12 PM for lunch and again at 12.30 PM the sessions got resumed till 2.15 PM. Around 2.30 PM all the sessions were closed and students were gathered in Digital Room

for the closing session. **Closing Session** started with the welcome note by Dr. A. Nirmala, Associate Professor and Head followed by the address given by Dr. G. Selvakumar, Principal, AVIT. Following that, Dr. Giri Rengasamy, Dean, CSR, VMRF interacted with the students with her motivational words. Feedback from the school students was very positive and finally they were distributed with the certificates. School faculty members were honored by Principal Sir. Day 2 got ended successfully.



### **Day 3:**

At 9 am, 113 students from **Aarupadai Vedu Matriculation Higher Secondary** school students accompanied with 3 faculty member reached AV campus using our transport facility. They were accompanied and welcomed by Dr. A. Nirmala, Associate Professor and Head, Department of Biotechnology and Dr. L. Nagarajan, Associate Professor, Department of Biotechnology and made them assemble in the Genetic Engineering Lab. A short note of address with Faculty introduction was done by Dr. Nirmala to the crew. The students were segregated into 4 groups and they started with their Hands on training.

### **Genetic Engineering Lab:**

First Batch of students experienced with DNA isolation from the Bacterial Cell which was handled by Dr. S. Shanmuga Sundar, Assistant Professor G-II.



### **Biochemistry Lab:**

Second Batch of Students underwent with Qualitative analysis of Sugar handled by Dr.A.Nirmala, Associate Professor and Head.



### **Immunology Lab:**

Third Batch students underwent with Blood grouping test handled by Ms. Subathra M, Assistant Professor.





### Microbiology Lab:

Fourth Batch of students underwent with Staining of micro-organisms handled by Ms. Mohanapriya P, Assistant Professor.



All 4 Batches were handled parallel throughout the day on a cyclic manner. Around 10.30 AM refreshments were provided for the students and faculty members followed by training. Forenoon session ended at 12 PM for lunch and again at 12.30 PM the sessions got resumed till 2.45 PM.



Around 2.45 PM all the sessions were closed. The students were given with refreshment drink and they were gathered in Digital Room for the closing session. Session started with the welcome address by Dr. A. Nirmala, Associate Professor and Head followed by the address given by Dr. L. Prabu, Vice Principal (Admin), AVIT to the school students were he mentioned about the opportunity created by AVIT to learn and gain practical knowledge. The feedback session which were student volunteers from the school gave the feedback on this one day training program was they specified about the practical knowledge gained. They also specified that overall session was very useful and informative. Finally certificates were distributed to the students and School faculty members were honored by Vice Principal Sir. Day 3 was closed successfully.

