

**ADVANCED INSTITUTIONAL LEVEL BIOTECH HUB,  
S. KULA WOMEN'S COLLEGE, NAMBOL, MANIPUR.**

**Report on a 6-Day Workshop on Basic Techniques of Biotechnology & Bioinformatics conducted by Advanced Institutional Level Biotech Hub, S. Kula Women's College, Nambol, Manipur on 16<sup>th</sup> – 21<sup>st</sup> December, 2019**

A 6-Days Hands-on Training/Workshop programme was held at S. Kula Women's College, Nambol, Manipur with effect from 16<sup>th</sup> – 21<sup>st</sup> December, 2019. The Advanced Institutional Level Biotech Hub, S. Kula Women's College, Nambol, Manipur organized such type of workshop/Hands on Training programme. All together 16 registered students & College teachers from different nearby institutions were participated the programme.

**Inaugural Session:**

The Hands-on Training/Workshop was inaugurated on 16<sup>th</sup> December, 2019 at the Seminar Hall of Department of Biotechnology, S. Kula Women's College, Nambol, Manipur, with lighting the lamp by guests on the dais. Mrs. Soraisam Meenakshi, RA, Bioinformatics infrastructure Facility, S. Kula Women's College, Nambol, Manipur welcomed the guest and participants. The Inaugural address was given by Dr. Debananda Singh Ningthoujam, Coordinator, DBT– State Biotech Hub, Department of Biochemistry, Manipur University, Canchipur, Imphal. Dr. W. Robindro Singh, HoD/Coordinator, Advanced Institutional Biotech Hub, S. Kula Women's College, Nambol, Manipur delivered the keynote on the occasion. The Chief Guest, Dr. Debananda Singh Ningthoujam, Coordinator, DBT– State Biotech Hub, Department of Biochemistry, Manipur University, Canchipur, Imphal and Guest of Honour W. Nimai Singh, Coordinator, Advanced Institutional Biotech Hub, K. P. College, Hiyangthang, Manipur, both were delivered a thought-provoking lectures on the importance of Basic Techniques of Biotechnology & Bioinformatics. At the end of the inaugural session, Mr. Dr. Robindro Singh, HoD/Coordinator, Advanced Institutional Biotech Hub presented Mementos to the dignitaries on the dais and this session was concluded by proposed vote of thanks by Dr. Romesh Sagolshemcha, Research Associate, Advanced Institutional Biotech Hub, S. Kula Women's College, Nambol, Manipur.

**Technical Session -I: (16<sup>th</sup> December, 2019)**

Bench work-I (Basic laboratory Practices: laboratory safety, sterilization techniques, pipetting, plating and solution preparation)

**17.12.2019 (TS-II)**

Bench work-II (Nucleic acid/DNA Extraction)

**18.12.2019 (TS-III)**

Bench work-III (PCR technique)

**19.12.2019 (TS-IV)**

Bench work-III (Marker Techniques: i. Restriction Fragment Length Polymorphism (RFLP)  
ii. Amplified Fragment Length Polymorphism (AFLP) iii. Simple Sequence Repeats (SSRs)

**20.12.2019 (TS-V)**

Bench work- IV (Quantification techniques and quality control)  
Bench work- V (Electrophoresis and Western blotting)

**21.12.2019 (TS-VI)**

Bench work-VI (Bioinformatics tools: i. Homology search- BLAST, FASTA ii. Mapping  
MAPMAKER)

**Programme Closed**