

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

**Report on a 6-Day Hands on/workshop on Molecular tools & Techniques conducted by  
Advanced Institutional Level Biotech Hub, S. Kula Women's College, Nambol,  
Manipur on 10<sup>th</sup> -15<sup>th</sup> April, 2017.**

A 6-Days Hands-on Training/Workshop programme was held at S. Kula Women's College, Nambol, Manipur with effect from 10<sup>th</sup> -15<sup>th</sup> April, 2017. The Advanced Institutional Level Biotech Hub, S. Kula Women's College, Nambol, Manipur organized such type of workshop/Hands on Training programme. All together 25 registered students & College teachers from different nearby institutions were participated the programme.

**Inaugural Session:**

The Hands-on Training/Workshop was inaugurated on 10<sup>th</sup> April, 2017 at the Seminar Hall of Department of Biotechnology, S. Kula Women's College, Nambol, Manipur, with lighting the lamp by guests on the dais. Ms. Th. Pushparani Devi, JRF, Advanced Institutional Biotech Hub, S. Kula Women's College, Nambol, Manipur welcomed the guests and participants. The Inaugural address was given by Dr. Debananda Singh Ningthoujam, Coordinator, DBT– State Biotech Hub, Department of Biochemistry, Manipur University, Canchipur, Imphal. Mr. 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 Biotechnology Tools & Techniques. At the end of the inaugural session, Mr. W. 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 Mr. H. Boboy Singh, SRF, Advanced Institutional Biotech Hub, S. Kula Women's College, Nambol, Manipur.

**Technical Session -I: (10<sup>th</sup> April, 2017)**

Bench work-I (DNA Isolation)

**11.04.2017 (TS-II)**

Bench work-II (Gel-Preparation)

Bench work-III (Sample loading to Electrophoresis)

**12.04.2017 (TS-III)**

Bench work-IV (DNA detection)

Bench work-V (CTAB Preparation)

**13.04.2017 (TS-IV)**

Bench work-VI (Preparation of PCR master mix)

Bench Work-VII (Demo on PCR)

Bench work-VIII (PCR Run)

**14.04.2017 (TS-V)**

Bench work-IX (Quantification of amplified Sample by Spectrophotometer)

Bench work-X (Amplified DNA detection by Electrophoresis)

**15.04.2017 (TS-VI)**

Bench work-XI (Continuing banding analysis)

**Programme Closed**