



तेजपुर विश्वविद्यालय

(केंद्रीय विश्वविद्यालय)

नपाम, तेजपुर - 784 028, असम, भारत

TEZPUR UNIVERSITY


(A Central University)

Napam, Tezpur - 784 028, Assam, India

Department of Molecular Biology and Biotechnology

**INTERNSHIP/PROJECT DETAILS
of MSc in Molecular Biology and Biotechnology**

Sr. No	Programme Name	Name of the Student	Title of the Internship/Project	Place of Work	Duration of Work (in months)
1	M.Sc in MBBT	RAJIB LOCHAN DEBNATH	Genome Wide Analysis of G-Quadruplex Distribution in Trypanosoma species	Tezpur University	Six months
2	M.Sc in MBBT	SUDEM BORO	Isolation and characterization of potential probiotic strains from fermented milk products of Tezpur, Assam and evaluation of their effect on Nitrate production by Caco-2 cells during LPS induced Inflammation	Tezpur University	Six months
3	M.Sc in MBBT	NIHARIKA DAS	Rational design of aptamers against snake venom protein	Tezpur University	Six months
4	M.Sc in MBBT	BARASHA RANI DIHINGIA	A transcriptomic analysis based comparative study on Gallbladder cancer and Gall stone disease with different follow up period for identifying crucial molecular Signatures	Tezpur University	Six months
5	M.Sc in MBBT	MINU THAPA	Effect of Lipocalin2 on breast cancer cells	Tezpur University	Six months
6	M.Sc in MBBT	ANINDITA	A Study on virulence of transposon induced <i>Ralstonia solanacearum</i> F1C1 mutants in tomato seedlings	Tezpur University	Six months
7	M.Sc in MBBT	BABLI SHARMA	AMPK Signaling Pathway Analysis using Systems biology approach	Tezpur University	Six months
8	M.Sc in MBBT	EMON KALYAN	Bioinformatic analysis of the type-specific 56-kDa antigen (TSA- 56kDa) of Orientia tsutsugamushi for designing and expression of a multi-epitope construct for diagnosis of scrub typhus	Tezpur University	Six months
9	M.Sc in MBBT	HEM AKSHAY DAS	An <i>in-silico</i> study to understand G4 distribution in Cancer genes	Tezpur University	Six months
10	M.Sc in MBBT	UJJAYITA CHOWDHURY	Investigating the role of Inflammation on Adipogenesis	Tezpur University	Six months
11	M.Sc in MBBT	ROHIT MALLICK	To study the effect of Vanillin on the inhibition of TLR4 mediated inflammation in THP-1 macrophages	Tezpur University	Six months
12	M.Sc in MBBT	SOMIA DAS	Expression of Type 1 Interferon and Type 1 Interferon related gens in Human DNA transfected THPI cells	Tezpur University	Six months
13	M.Sc in MBBT	USASHI GUHA ROY	A study on virulence of transposon induced <i>Ralstonia solanacearum</i> F1C1 mutant in tomato seedlings	Tezpur University	Six months
14	M.Sc in MBBT	PRIYA JOSHI	Conformational accessibility and binding affinity of SARS-CoV-2 spike protein to human ACE2 (Angiotensin-Converting enzyme 2): an <i>in-silico</i> study	Tezpur University	Six months


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15	M.Sc in MBBT	ALECSANDRIA MARWEIN	Biopolymer analysis from Biopolymer Analysis from <i>Euphorbia splendens</i> , <i>Aloe barbadensis miller</i> , <i>Jatropha curcas</i> and <i>Alstonia scholaris</i>	Tezpur University	Six months
16	M.Sc in MBBT	SUNITA RAI	Staining and other methods to find out authenticity of 'Eri', 'Muga' and 'Pat' silk fabrics	Tezpur University	Six months
17	M.Sc in MBBT	KAUSHIKA OLYMON	Screening of selected ethno-medicinal plants of North East India against biofilm formation, virulence factors and <i>In-silico</i> study of Oleic acid against biofilm related proteins of <i>Pseudomonas aeruginosa</i>	Tezpur University	Six months
18	M.Sc in MBBT	PRANAB JYOTI HAZARIKA	Effect of double mutation (L452R and E484Q) in RBD of Spike Protein on its interaction with ACE2 Receptor Protein	Tezpur University	Six months
19	M.Sc in MBBT	ANGSHUMAN DAS	<i>Designing of novel gRNA's targeting the human XR-CCS gene for in vitro genome editing via CRISPR-Cas9 system</i>	Tezpur University	Six months
20	M.Sc in MBBT	POOJA KUSHWAHA	Comparative system analysis of Blister Blight pathogen, <i>Exobasidium vexans</i> and related phytopathogenic fungus	Tezpur University	Six months
21	M.Sc in MBBT	AMIT CHAKRABORTY	Anti-inflammatory action of plant polyphenol Rutin on Human THP-1 cells	Tezpur University	Six months
22	M.Sc in MBBT	RIA LODH	Identification of Integrated Systems Level Unique & Overlapping Molecular Signatures in Hepatobiliary Cancers	Tezpur University	Six months
23	M.Sc in MBBT	VIGNESH S KUMAR	'Global gene sequence analysis of Structural proteins of SARS-CoV-2 from July 2020 to February 2021	Tezpur University	Six months
24	M.Sc in MBBT	SONALI SINGH	Gene expression of specific genes in THP-I and NK-92 cells when co-cultured with the tumor tissue extract	Tezpur University	Six months
25	M.Sc in MBBT	JYOTSHNA THAKURIA	Reaction based Pathway Analysis of Fatty acid oxidation pathway	Tezpur University	Six months



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**INTERNSHIP/PROJECT DETAILS
of Integrated MSc**

1	Integrated M.Sc. In Bioscience and Bioinformatics	MAHASWETA GOSWAMI	Mechanism of anticoagulant action of custom peptides mimicking the anticoagulant region of C-type lectin-like protein (snaclec) from Indian Saw-scaled viper venom	Tezpur University	12 months
2	Integrated M.Sc. In Bioscience and Bioinformatics	PRATITI GOSWAMI	Characterisation of Potential Probiotics Isolated from Traditional Fermented Food of North-East India	Tezpur University	12 months
3	Integrated M.Sc. In Bioscience and Bioinformatics	PRANAB JYOTI DEORI	Antibacterial, antibiofilm, and anti-quorum sensing potentials of phytofabricated silver nanoparticles using aqueous extract of <i>Cuphea carthagenensis</i>	Tezpur University	12 months
4	Integrated M.Sc. In Bioscience and Bioinformatics	NALINI DAIMARY	Molecular characterization of group A rotaviruses	Tezpur University	12 months
5	Integrated M.Sc. In Bioscience and Bioinformatics	BIPASHA CHOUDHURY	Understanding Distribution of Insertions along human genome in Cancer	Tezpur University	12 months
6	Integrated M.Sc. In Bioscience and Bioinformatics	CHAINEE DAS	Effect of N501Y mutation in spike protein on its interaction with ACE2 receptor	Tezpur University	12 months
7	Integrated M.Sc. In Bioscience and Bioinformatics	SAPTARSHIJYOTI GOGOI	Variations among Stress Responsive Transcriptional Regulatory Networks of 10 cultivars of <i>Oryza sativa</i>	Tezpur University	12 months
8	Integrated M.Sc. In Bioscience and Bioinformatics	MADHURJYA KAKOTI	Transcriptomic based comparative analysis of alcoholic hepatitis and liver cirrhosis	Tezpur University	Six months
9	Integrated M.Sc. In Bioscience and Bioinformatics	PRIYA DUTTA	Screening and identification of potential molecules against SARS-CoV2 proteins: An <i>in silico</i> approach	Tezpur University	Six months
10	Integrated M.Sc. In Bioscience and Bioinformatics	NAYAN JYOTI BORAH	Structural and. functional analysis of a few uncharacterized proteins from <i>Leishmania donovani</i> ,	Tezpur University	Six months
11	Integrated M.Sc. In Bioscience and Bioinformatics	KRISHANU CHOUDHURY	DNA methylation differences between human regulatory T cells and naïve CD4 ⁺ T cells	Tezpur University	Six months
12	Integrated M.Sc. In Bioscience and Bioinformatics	PUJA KAR	Characterization of <i>Ralstonia solanacearum</i> strain from brinjal plant	Tezpur University	Six months
13	Integrated M.Sc. In Bioscience and Bioinformatics	HRISHIKESH BHARALI	Understanding semi-Quantitative RT-PCR: A key experiment to study gene expression	Tezpur University	Six months


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14	Integrated M.Sc. In Bioscience and Bioinformatics	GOPU BASAR	Biochemical and Biological characterization of snake venom	Tezpur University	Six months
15	Integrated M.Sc. In Bioscience and Bioinformatics	BANDITA RAJKHOWA	Biopolymer from Euphorbia ingens	Tezpur University	Six months
16	Integrated M.Sc. In Bioscience and Bioinformatics	ESHAN ABBAS	Learning python and scikit-learn for Machine Learning and Data analysis	Tezpur University	Six months
17	Integrated M.Sc. In Bioscience and Bioinformatics	LAKHYAJIT BORUAH	Inhibition of macrophage foam cells by small molecule	Tezpur University	Six months
18	Integrated M.Sc. In Bioscience and Bioinformatics	BAHNI SHIKHA ROY	Mechanical injury and garlic clove (<i>Allium sativum</i>) polyphenol content	Tezpur University	Six months


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