

## Advanced Diploma in Bioinformatics (A.D.B.)

Semester/ Duration	Subject Code	Title of the Subject	Credits	L/P + T / week	Weight age for UE/IA	Exam Conduction
Semester - I  Foundation Level  (16-17 Weeks)	DBI101	Basic Biosciences	4	3L+1T	0.6/0.4	University
	DBI102	C programming and Data structure	4	3L+1T	0.6/0.4	University
	DBI103	Bio-computing and DBMS	4	3L+1T	0.6/0.4	University
	DBI104	Essential Biomathematics	2	1L+1T	0.6/0.4	University
	DBI105	Biostatistics	2	1L+1T	0.6/0.4	University
	DBI106	Biological Informatics	4	3L+1T	0.6/0.4	University
	DBI107	Basic Biosciences Lab I	2	2P	0.6/0.4	University
	DBI108	C programming and Data structure Lab II	2	2P	0.6/0.4	University
	DBI109	Bio-computing, DBMS and Biostatistics Lab III	2	2P	0.6/0.4	University
	DBI110	Biological Informatics Lab IV	2	2P	0.6/0.4	University
				<b>Total = 28 credits (Foundation) Hours per day = 7.33, Total Marks = 700</b>		
Semester - II  Core & Advanced Level  (16-17 Weeks)	DBI201 (Core)	Molecular modeling & Drug Designing	4	3L+1T	Weight age for UE/IA	Exam Conduction
	DBI202 (Core)	Genomics & Proteomics	4	3L+1T	0.6/0.4	University
	DBI203 (Core)	Perl and Bioperl Programming	4	3L+1T	0.6/0.4	University
	DBI204 (Advanced)	Java & Bio-java	4	3L+1T	0.6/0.4	University
	DBI205 (Advanced)	Advanced Bioinformatics	2	1L+1T	0.6/0.4	University
	DBI206 (Core)	Molecular modeling & Drug Designing Lab V	2	2P	0.6/0.4	University
	DBI207 (Core)	Genomics & Proteomics Lab VI	2	2P	0.6/0.4	University
	DBI208 (Advanced)	Perl and Bioperl Programming Lab VII	2	2P	0.6/0.4	University
	DBI209 (Advanced)	Java & Bio-java Lab VIII	2	2P	0.6/0.4	University
				<b>Total = 26 credits (16 Core + 10 Advanced) Hours per day = 7.00, Total Marks = 650</b>		
<b>A.D.B. (Sem. I and Sem. II) Total = 54 Credits</b>					<b>Total Marks = 1350</b>	