

**Institute Of Engineering, Jiwaji University , Gwalior**  
**B.E. I Sem . ( Computer Science Engineering ,Electronics & Chemical Engineering )**  
**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total-I	Sessional	practical	Total-II	T1+T2	L	T	P
1	BE-201	Physics	80	20	100	50	50	100	200	3	1	2
2	BE-202	Energy,Ecolgy, Environment & society	80	20	100	50	50	100	200	3	1	2
3	BE-203	Basic Mecanical Engineering	80	20	100	50	50	100	200	3	1	2
4	BE-204	Basic Civil & Mechanics engineering	80	20	100	50	50	100	200	3	1	2
5	BE-205	Basic Computer Programe Engineering	80	20	100	–	–	–	100	3	1	0
6	BE-206	Basic Computer Engg.	–	–	–	50	50	100	100	0	0	4
		<b>Total</b>	<b>400</b>	<b>100</b>	<b>500</b>	<b>250</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>5</b>	<b>12</b>

L: Lecture -      T: Tutorial -      P: Practical

**Institute Of Engineering, Jiwaji University , Gwalior**  
**B.E. II Sem . ( Computer Science Engineering ,Electronics & Chemical Engineering )**  
**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory slot (T1)			Practical Slot (T2)			Total Marks T1+T2	Period per week		
			End Sem	Mid Sem	Total-I	Sessional	practical	Total-II		L	T	P
1	BE-101	Chemistry	80	20	100	50	50	100	200	3	1	2
2	BE-102	Mathematics- I	80	20	100	50	50	100	200	3	1	2
3	BE-103	Communication Skills	80	20	100	50	50	100	200	3	1	2
4	BE-104	Electronics Engineering	80	20	100	50	50	100	200	3	1	2
5	BE-105	Engineering Graphics	80	20	100	–	–	–	100	3	1	0
6	BE-106	Workshop Practices	–	–	–	50	50	100	100	0	0	4
		<b>Total</b>	<b>400</b>	<b>100</b>	<b>500</b>	<b>250</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>5</b>	<b>12</b>

**L: Lecture -      T: Tutorial -      P: Practical**

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. III Sem . ( Electronics Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T1+T2	L	T
									L	T	P	
1	BE-301	Mathematics –II	80	20	100	–	–	–	100	3	1	0
2	EL-302	Data Structure & algorithms	80	20	100	–	–	–	100	3	1	0
3	EL-303	Electronics Devices & Circuits	80	20	100	50	50	100	200	3	1	2
4	EL-304	Instrumentation & Measurement	80	20	100	50	50	100	200	3	1	2
5	EL-305	Network Analysis	80	20	100	50	50	100	200	3	1	2
6	EL-306	JAVA( Computer language )	–	–	–	50	50	100	100	0	0	2
7	EL-307	Self Study (Internal Assesment )	–	–	–	50	–	50	50	0	2	0
8	EL-308	Seminar / Group Discussion (Internal Assesment)	–	–	–	50	–	50	50	0	2	0
		<b>Total</b>	<b>400</b>	<b>100</b>	<b>500</b>	<b>300</b>	<b>200</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>9</b>	<b>8</b>

L: Lecture -      T: Tutorial -      P: Practical

**Institute Of Engineering, Jiwaji University , Gwalior**  
**B.E. IV Sem . ( Electronics Engineering )**  
**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T	T	P
									L	T	P	
1	BE-401	Mathematics-III	80	20	100	–	–	–	100	3	1	0
2	EL-402	Electromagnetic Theory	80	20	100	–	–	–	100	3	1	0
3	EL--403	Digital Electronics	80	20	100	50	50	100	200	3	1	2
4	EL-404- New	Linear Integrated circuits and its application	80	20	100	50	50	100	200	3	1	2
5	EL-405	Analog Communication	80	20	100	50	50	100	200	3	1	2
6	EL-406	Software Lab-II	–	–	–	50	50	100	100	0	0	2
7	EL-407	Self Study (internal Assesment)	–	–	–	50	–	50	50	0	2	0
8	EL-408	Seminar / Group Discussion (Internal Assesment)	–	–	–	50	–	50	50	0	2	0
<b>Total</b>			<b>400</b>	<b>100</b>		<b>300</b>	<b>200</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>9</b>	<b>8</b>

L: Lecture -      T: Tutorial -      P: Practical

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. V Sem . ( Electronics Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T1+T2	L	T
									L	T	P	
1	EL-501	Voice & Data Communication	80	20	100	–	–	–	100	3	1	0
2	EL-502	Control System	80	20	100	–	–	–	100	3	1	0
3	EL-503	Digital Communication	80	20	100	50	50	100	200	3	1	2
4	EL-504	Microprocessors & Microcontrollers	80	20	100	50	50	100	200	3	1	2
5	EL-505	Communication Network and Transmission Lines	80	20	100	50	50	100	200	3	1	2
6	EL-506	Software Lab-III				50	50	100	100	0	0	2
7	EL-507	Self Study (internal Assesment)				50	–	50	50	0	2	0
8	EL-508	Seminar / Group Discussion (Internal Assesment)				50	–	50	50	0	2	0
		Total	400	100	500	300	200	500	1000	15	9	8

L: Lecture -      T: Tutorial -      P: Practical

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. VI Sem . ( Electronics Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T1+T2	L	T
									L	T	P	
1	EL-601	Industrial Electronics	80	20	100	–	–	–	100	3	1	0
2	EL-602	Cellular Mobile Communication	80	20	100	–	–	–	100	3	1	0
3	EL-603	Digital Signal Processing	80	20	100	50	50	100	200	3	1	2
4	EL-604	Antenna & Wave Propagation	80	20	100	50	50	100	200	3	1	2
5	EL-605	VLSI Circuits & System	80	20	100	50	50	100	200	3	1	2
6	EL-606	Software Lab-IV	–	–	–	50	50	100	100	0	0	2
7	EL-607	Self Study (internal Assesment)	–	–	–	50	–	50	50	0	2	0
8	EL-608	Seminar / Group Discussion (Internal Assesment)	–	–	–	50	–	50	50	0	2	0
<b>Total</b>			<b>400</b>	<b>100</b>	<b>500</b>	<b>300</b>	<b>200</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>9</b>	<b>8</b>

L: Lecture -      T: Tutorial -      P: Practical

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. VII Sem . ( Electronics Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T1+T2	L	T
									L	T	P	
1	EL-701	Elective-I	80	20	100	–	–	–	100	3	1	0
2	EL-702	Satellite Communication	80	20	100	–	–	–	100	3	1	0
3	EL-703	Optical Communication	80	20	100	50	50	100	200	3	1	2
4	EL-704	Microwave Engg.	80	20	100	50	50	100	200	3	1	2
5	EL-705	VLSI Design	80	20	100	50	50	100	200	3	1	2
6	EL-706	Minor Project & Seminar	–	–	–	50	50	100	100	0	2	2
7	EL-707	Industrial Training (4 week)	–	–	–	50	50	100	100	0	0	2
		<b>Total</b>	<b>400</b>	<b>100</b>	<b>500</b>	<b>250</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>7</b>	<b>10</b>

**Elective-I**

**EL-7011 Wireless Communication**

**EL-7012 Digital image Processing**

**EL-7013 Neural Networks**

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. VIII Sem . ( Electronics Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T1+T2	L	T
									L	T	P	
1	EL-801	Elective-II	80	20	100	–	–	–	100	3	1	0
2	EL-802	Advanced Communication System	80	20	100	–	–	–	100	3	1	0
3	EL-803	Computer Networks	80	20	100	50	50	100	200	3	1	2
4	EL-804	TV& Radar Engg.	80	20	100	50	50	100	200	3	1	2
5	EL-805	Major Project	–	–	–	100	200	300	300	0	4	6
6	EL-806	Seminar & Group Discussion	–	–	–	100	–	100	100	0	2	0
		<b>Total</b>	<b>320</b>	<b>80</b>	<b>400</b>	<b>300</b>	<b>300</b>	<b>600</b>	<b>1000</b>	<b>12</b>	<b>10</b>	<b>10</b>

L: Lecture -      T: Tutorial -      P: Practical

**Elective- II**

**EL-8011 Advanced Data Networks**

**EL-8012 Microwave Circuits**

**EL-8013 Principles of Management & managerial Economics**

**EL-8014 Introduction to Microcontrollers for Embedded System**



**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. III Sem . ( Chemical Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T1+T2	L	T
									L	T	P	
1	BE-301	Mathematics-II	80	20	100	–	–	–	100	3	1	0
2	CM-302	Chemical Engg Thermodynamics	80	20	100	–	–	–	100	3	1	0
3	CM-303	Chemical Instrumentation	80	20	100	50	50	100	200	3	1	2
4	CM-304	Material & Energy Balance	80	20	100	50	50	100	200	3	1	2
5	CM-305	Adv.Engg.Chemistry	80	20	100	50	50	100	200	3	1	2
6	CM-306	Computer Programming (Java)	–	–	–	50	50	100	100	0	0	2
7	CM-307	Self Study (internal Assesment)	–	–	–	50	–	50	50	0	2	0
8	CM-308	Seminar/ Group Discussion (internal Assesment)	–	–	–	50	–	50	50	0	2	0
<b>Total</b>			<b>400</b>	<b>100</b>	<b>500</b>	<b>300</b>	<b>200</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>9</b>	<b>8</b>

L: Lecture -      T: Tutorial -      P: Practical

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. IV Sem . ( Chemical Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T1+T2	L	T
									L	T	P	
1	BE-401	Mathematics-III	80	20	100	–	–	–	100	3	1	0
2	CM-402	Material Science and Technol	80	20	100	–	–	–	100	3	1	0
3	CM-403	Fuel Technology	80	20	100	50	50	100	200	3	1	2
4	CM-404	Fluid ParticleMechanics	80	20	100	50	50	100	200	3	1	2
5	CM-405	Fluid Mechanics	80	20	100	50	50	100	200	3	1	2
6	CM-406	Computer Aided Process Calculation	–	–	–	50	50	100	100	0	0	2
7	CM-407	Self Study (internal Assesment)	–	–	–	50	–	50	50	0	2	0
8	CM-408	Seminar/ Group Discussion (internal Assesment)	–	–	–	50	–	50	50	0	2	0
<b>Total</b>			<b>400</b>	<b>100</b>	<b>500</b>	<b>300</b>	<b>200</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>5</b>	<b>12</b>

L: Lecture -      T: Tutorial -      P: Practical

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. V Sem . ( Chemical Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks T1+T2	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		L	T	P
1	CM-501	Advance Chemical Engg. Thermodynamics	80	20	100	-	-	-	100	3	1	0
2	CM-502	Inorganic Process Technology	80	20	100	-	-	-	100	3	1	0
3	CM-503	Computational Methods in Chemical Engineering	80	20	100	50	50	100	200	3	1	2
4	CM-504	Mass Transfer-I	80	20	100	50	50	100	200	3	1	2
5	CM-505	Heat Transfer	80	20	100	50	50	100	200	3	1	2
6	CM-506	Chemical Process Plant Simulation Lab-I				50	50	100	100	0	0	2
7	CM-507	Self Study (internal Assesment)				50	-	50	50	0	2	0
8	CM-508	Seminar/ Group Discussion (internal Assesment)				50	-	50	50	0	2	0
		<b>Total</b>	<b>400</b>	<b>100</b>	<b>500</b>	<b>300</b>	<b>200</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>9</b>	<b>8</b>

L: Lecture - T: Tutorial - P: Practical

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. VI Sem . ( Chemical Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T	P	
									L	T	P	
1	CM-601	Process Equipment Design I	80	20	100	–	–	–	100	3	1	0
2	CM-602	Organic Process Technology	80	20	100	–	–	–	100	3	1	0
3	CM-603	Mass Transfer – II	80	20	100	50	50	100	200	3	1	2
4	CM-604	Chemical process Control	80	20	100	50	50	100	200	3	1	2
5	CM-605	Chemical Reaction Engineering-I	80	20	100	50	50	100	200	3	1	2
6	CM-606	Chemical Process Plant Simulation –II	–	–	–	50	50	100	100	0	0	2
7	CM-607	Self Study (internal Assesment)	–	–	–	50	–	50	50	0	2	0
8	CM-608	Seminar/ Group Discussion (internal Assesment)	–	–	–	50	–	50	50	0	2	0
		<b>Total</b>	<b>400</b>	<b>100</b>	<b>500</b>	<b>300</b>	<b>200</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>9</b>	<b>8</b>

L: Lecture -      T: Tutorial -      P: Practical

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. VII Sem . ( Chemical Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T1+T2	L	T
									L	T	P	
1	CM-701	Elective-I	80	20	100	—	—		100	3	1	0
2	CM-702	Elective-II	80	20	100	—	—		100	3	1	0
3	CM-703	Process Equipment Design-II	80	20	100	50	50	100	200	3	1	2
4	CM-704	Chemical Reaction Engineering-II	80	20	100	50	50	100	200	3	1	2
5	CM-705	Environmental Engineering	80	20	100	50	50	100	200	3	1	2
6	CM-706	Minor Project	—	—	—	50	50	100	100	0	2	2
7	CM-707	Industrial Training (4 week))	—	—	—	50	50	100	100	0	0	2
		<b>Total</b>	<b>400</b>	<b>100</b>	<b>500</b>	<b>250</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>7</b>	<b>10</b>

Elective - I

Elective - II

**CM-701 (A)Petroleum Processing Tech.**

**CM-702 (B)Safety Engg.and Hazard Management**

**CM-703 (C)Pharmaceutical Technology**

**CM-702 (A) Transport Phenomena**

**CM-702 (B) Polymer Technology**

**CM-703 (C) Novel Separation Method**

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. VIII Sem . ( Chemical Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		T1+T2	L	T
									L	T	P	
1	CM-801	Elective-II	80	20	100	–	–	–	100	3	1	0
2	CM-802	Entrepreneurship Management and Economics	80	20	100	–	–	–	100	3	1	0
3	CM-803	Bioprocess Technology	80	20	100	50	50	100	200	3	1	2
4	CM-804	Process Modeling & Simu	80	20	100	50	50	100	200	3	1	2
5	CM-805	Major Project	–	–	–	100	100	200	200	0	0	8
6	CM-806	Computing Technique for Chemical Processes	–	–	–	50	50	100	100	0	0	2
7	CM-807	Comprehensive Viva	–	–	–	–	100	100	100	0	0	2
		<b>Total</b>	<b>320</b>	<b>80</b>	<b>400</b>	<b>250</b>	<b>350</b>	<b>600</b>	<b>1000</b>	<b>12</b>	<b>4</b>	<b>16</b>

L: Lecture -      T: Tutorial -      P: Practical

**Elective - III**

**CM-801 (A)Process Piping Design**

**CM-801 (B)Cryogenic Engineering**

**CM-801 ( C ) Energy Management in Processes**

**Institute Of Engineering, Jiwaji University , Gwalior**  
**B.E. III Sem . ( Computer Science Engineering )**  
**Scheme ( w.e.f.2022-2026 batch)**  
**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II	T1+T2	L	T	P
1	BE-301	Mathematics-II	80	20	100	–	–	–	100	3	1	0
2	CS-302	Discrete Structures	80	20	100	–	–	–	100	3	1	0
3	CS-303	Electronic Devices & Digital Circuits	80	20	100	50	50	100	200	3	1	2
4	CS-304	Artificial Intelligence & Machine Learning	80	20	100	50	50	100	200	3	1	2
5	CS-305	Data Structure	80	20	100	50	50	100	200	3	1	2
6	CS-306	Computer Programming (Java Technologies)	–	–	–	50	50	100	100	0	0	2
7	CS-307	lf Study (internal Assesment)				50		50	50	0	2	0
8	CS-308	Seminar/ Group Discussion (internal Assesment)				50		50	50	0	2	0
		<b>Total</b>	<b>400</b>	<b>100</b>	<b>500</b>	<b>300</b>	<b>200</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>9</b>	<b>8</b>

**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. IV Sem . ( Computer Science Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot(T2)			Total Marks T1+T2	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		L	T	P
1	BE-401	Mathematics-III	80	20	100	–	–	–	100	3	1	0
2	CS-402	Computer System Organization	80	20	100	–	–	–	100	3	1	0
3	CS-403	Object Oriented Technology	80	20	100	50	50	100	200	3	1	2
4	CS-404	Analysis & Design Of Algorithm	80	20	100	50	50	100	200	3	1	2
5	CS-405	Analog & Digital Communication	80	20	100	50	50	100	200	3	1	2
6	CS-406	Computer Programming - IV (Net Technologies)	–	–	–	50	50	100	100	0	0	2
7	CS-407	Self Study (internal Assesment)	–	–	–	50	–	50	50	0	2	0
8	CS-408	Seminar/ Group Discussion (internal Assesment)				50	–	50	50	0	2	0
		<b>Total</b>	400	100	500	300	200	500	1000	15	9	8



**Institute Of Engineering, Jiwaji University , Gwalior**

**B.E. V Sem . ( Computer Science Engineering )**

**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot(T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II	T1+T2	L	T	P
1	CS-501	Data Communication	80	20	100	–	–	–	100	3	1	0
2	CS-502	Operating System	80	20	100	–	–	–	100	3	1	0
3	CS-503	Data Base Management System	80	20	100	50	50	100	200	3	1	2
4	CS-504	Computer Graphics & Multimedia	80	20	100	50	50	100	200	3	1	2
5	CS-505	Theory Of Computation	80	20	100	50	50	100	200	3	1	2
6	CS-506	Computer Programming V (Unix/Linux Lab)	–	–	–	50	50	100	100	0	0	2
7	CS-507	Self Study (internal Assesment)	–	–	–	50		50	50	0	2	0
8	CS-508	Seminar/ Group Discussion (internal Assesment)	–	–	–	50		50	50	0	2	0
		<b>Total</b>	<b>400</b>	<b>100</b>	<b>500</b>	<b>300</b>	<b>200</b>	<b>500</b>	1000	15	9	8

**Institute Of Engineering, Jiwaji University , Gwalior**  
**B.E. VI Sem . ( Computer Science Engineering )**  
**Scheme ( w.e.f.2022-2026batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II	T1+T2	L	T	P
1	CS-601	Micro Processor and interfacing	80	20	100	–	–	–	100	3	1	0
2	CS-602	Principle Of Programming Language(PPL)	80	20	100	–	–	–	100	3	1	0
3	CS-603	Software Engineering & Project Managements	80	20	100	50	50	100	200	3	1	2
4	CS-604	Computer Networking	80	20	100	50	50	100	200	3	1	2
5	CS-605	Advanced Computer Architecture (ACA)	80	20	100	50	50	100	200	3	1	2
6	CS-606	Minor Project-I	–	–	–	50	50	100	100	0	0	2
7	CS-607	Self Study (internal Assesment)	–	–	–	50	–	50	50	0	2	0
8	CS-608	Seminar/ Group Discussion (internal Assesment)	–	–	–	50	–	50	50	0	2	0
		<b>Total</b>			<b>500</b>	<b>300</b>	<b>200</b>	<b>500</b>	<b>1000</b>	<b>15</b>	<b>9</b>	<b>8</b>

**Institute Of Engineering, Jiwaji University , Gwalior**  
**B.E. VII Sem . ( Computer Science Engineering )**  
**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot (T1)			Practical Slot (T2)			Total Marks	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II	T1+T2	L	T	P
1	CS-701	Compiler Design	80	20	100	50	50	100	200	3	1	2
2	CS-702	Distribute System	80	20	100	–	–	–	100	3	1	0
3	CS-703	Cloud Computing	80	20	100	50	50	100	200	3	1	2
4	CS-704	Information Storage & Management	80	20	100	–	–	–	100	3	1	0
5	CS-705	Elective-I	80	20	100	–	–	–	100	3	1	0
6	CS-706	Industrial Training(4 Week)	–	–	–	50	50	100	100	0	0	2
7	CS-707	Major Project	–	–	–	50	50	100	100	0	0	2
8	CS-708	Self Study	–	–	–	50	–	50	50	0	2	0
9	CS-709	Seminar/Group Discussion	–	–	–	50	–	50	50	0	2	0
		<b>Total</b>	400	100	500	300	200	500		15	9	8

**Elective - I**

**CS-7501 N/W Management**

**CS-7502 Data Mining & knowledge discovery**

**CS-7503 Embedded computer system**

**CS-7504 Real time fault tolerant sysytem**

**Institute Of Engineering, Jiwaji University , Gwalior**  
**B.E. VIII Sem . ( Computer Science Engineering )**  
**Scheme ( w.e.f.2022-2026 batch)**

**Subject wise distribution of marks and corresponding credits**

S.NO.	Subject Code	Subject Name & Title	Theory Slot			Practical Slot			Total Marks T1+T2	Period per week		
			End Sem	Mid Sem	Total -I	Sessional	Practical	Total-II		L	T	P
1	CS-801	Soft Computing	80	20	100	50	50	100	200	3	1	2
2	CS-802	Web Engineering	80	20	100	50	50	100	200	3	1	2
3	CS-803	Elective-II	80	20	100			–	100	3	1	0
4	CS-804	Elective-III	80	20	100			–	100	3	1	0
5	CS-805	Major Project				100	200	300	300	0	2	6
6	CS-806	Self Study				50		50	50	0	2	0
7	CS-807	Seminar/Group Discussion				50		50	50	0	2	0
		Total	320	80	400	300	300	600	1000	12	10	10

L: Lecture -      T: Tutorial -      P: Practical

**Elective - II**

**CS-8301 Manet & High Speed Networks**  
**CS-8302 Robotics**  
**CS-8303 Data Science using Python**

**Elective-III**

**CS-8401 Bioinformatics**  
**CS-8402 Digital Image processing**  
**CS-8403 Wireless Network**