

# Indian Institute of Information Technology, Nagpur

## Scheme 2 (SCH 2) for batches 2017

### Scheme for B. Tech. CSE

Year	Semester	Course Code	Course Name	Type	L	T	P	Credits
<b>BS YEAR</b>								
1 <sup>ST</sup>	1 <sup>ST</sup>	MAL 101	Mathematics-I	BS	3	1	0	4
1 <sup>ST</sup>	1 <sup>ST</sup>	BEL 102	Elements of Electrical Engineering	ES	3	0	2	4
1 <sup>ST</sup>	1 <sup>ST</sup>	BSL 101	Applied Sciences	BS	3	0	2	4
1 <sup>ST</sup>	1 <sup>ST</sup>	CSL 101	Computer Programming	DC	3	0	2	4
1 <sup>ST</sup>	1 <sup>ST</sup>	ECL 101	Analog Electronics	DC	3	0	2	4
1 <sup>ST</sup>	1 <sup>ST</sup>	SAP 101	Health, Sports & Safety	HU	0	0	2	0
1 <sup>ST</sup>	1 <sup>ST</sup>	HUL 102	Environmental Studies	HU	2	0	0	2
<b>Subtotal</b>					<b>17</b>	<b>1</b>	<b>10</b>	<b>22</b>
1 <sup>ST</sup>	2 <sup>nd</sup>	MAL 102	Mathematics-II	BS	3	1	0	4
1 <sup>ST</sup>	2 <sup>nd</sup>	ECL 102	Digital Electronics	DC	3	0	2	4
1 <sup>ST</sup>	2 <sup>nd</sup>	CSL 102	Data Structures	DC	3	0	2	4
1 <sup>ST</sup>	2 <sup>nd</sup>	CSL 103	Application Programming	DC	3	0	2	4
1 <sup>ST</sup>	2 <sup>nd</sup>	HUL 101	Communication Skills	HU	2	0	2	3
1 <sup>ST</sup>	2 <sup>nd</sup>	BEL 101	Mechanics & Graphics	ES	3	0	2	4
<b>Subtotal</b>					<b>17</b>	<b>1</b>	<b>10</b>	<b>23</b>
<b>Total</b>								<b>45</b>
<b>SECOND YEAR</b>								
2 <sup>nd</sup>	3 <sup>rd</sup>	MAL 201	Mathematics-III	BS	3	1	0	4
2 <sup>nd</sup>	3 <sup>rd</sup>	CSL 202	Introduction to Object Oriented Programming	DC	3	0	2	4
2 <sup>nd</sup>	3 <sup>rd</sup>	CSL 203	Computer System Organization	DC	3	0	0	3
2 <sup>nd</sup>	3 <sup>rd</sup>	CSL 204	Discrete Maths and Graph Theory	DC	3	1	0	4
2 <sup>nd</sup>	3 <sup>rd</sup>	CSP 201	IT Workshop-I	DC	0	0	4	2
2 <sup>nd</sup>	3 <sup>rd</sup>	ECL 202	Microprocessors &	DC	3	0	2	4

Year	Semester	Course Code	Course Name	Type	L	T	P	Credits	
			Interfacing						
<b>Subtotal</b>						<b>15</b>	<b>2</b>	<b>8</b>	<b>21</b>
2 <sup>nd</sup>	4 <sup>th</sup>	CSL 205	Design and Analysis of Algorithms	DC	3	0	2	4	
2 <sup>nd</sup>	4 <sup>th</sup>	CSL 206	Software Engineering	DC	3	0	0	3	
2 <sup>nd</sup>	4 <sup>th</sup>	CSL 207	Operating Systems	DC	3	0	2	4	
2 <sup>nd</sup>	4 <sup>th</sup>	CSL 208	Design Principles of Programming Languages	DC	3	0	2	4	
2 <sup>nd</sup>	4 <sup>th</sup>	HUL 201	Human Values	HU	3	0	0	3	
2 <sup>nd</sup>	4 <sup>th</sup>	CSP 202	IT Workshop-II	DC	0	0	4	2	
<b>Subtotal</b>						<b>15</b>	<b>0</b>	<b>10</b>	<b>20</b>
<b>Total</b>									<b>41</b>
<b>THIRD YEAR</b>									
3 <sup>rd</sup>	5 <sup>th</sup>	CSL 301	Database Management Systems	DC	3	0	2	4	
3 <sup>rd</sup>	5 <sup>th</sup>	HUL 301	Open Course - I	HU	3	0	0	3	
3 <sup>rd</sup>	5 <sup>th</sup>	CSL 302	Computer Networks	DC	3	0	2	4	
3 <sup>rd</sup>	5 <sup>th</sup>	CSL 303	Theory of Computation	DC	3	1	0	4	
3 <sup>rd</sup>	5 <sup>th</sup>	CSL 306	Elective-I	DE	3	0	0	3	
<b>Subtotal</b>						<b>15</b>	<b>2</b>	<b>4</b>	<b>18</b>
3 <sup>rd</sup>	6 <sup>th</sup>	CSL 304	Compilers	DC	3	0	2	4	
3 <sup>rd</sup>	6 <sup>th</sup>	CSL 305	Cryptography and Network Security	DC	3	1	0	4	
3 <sup>rd</sup>	6 <sup>th</sup>	HUL 302	Open course-II	HU	3	0	0	3	
3 <sup>rd</sup>	6 <sup>th</sup>	CSL 307	Elective-II	DE	3	0	2	4	
3 <sup>rd</sup>	6 <sup>th</sup>	CSL 308	Elective-III	DE	3	0	0	3	
<b>Subtotal</b>						<b>15</b>	<b>1</b>	<b>6</b>	<b>18</b>
<b>Total</b>									<b>36</b>
<b>FINAL YEAR</b>									
4 <sup>th</sup>	7 <sup>th</sup>	CSL 309	Project	DE	0	0	4	8	

Year	Semester	Course Code	Course Name	Type	L	T	P	Credits	
4 <sup>th</sup>	7 <sup>th</sup>	CSL 310	Elective-IV	DE	3	0	2	4	
4 <sup>th</sup>	7 <sup>th</sup>	CSL 311	Elective-V	DE	3	0	2	4	
4 <sup>th</sup>	7 <sup>th</sup>	CSL 312	Elective-VI	DE	3	0	0	3	
4 <sup>th</sup>	7 <sup>th</sup>	CSL 313	Elective-VII	DE	3	0	0	3	
4 <sup>th</sup>	7 <sup>th</sup>		OPEN/MOOC course	OC	3	0	0	3	
			<b>OR</b>						
4 <sup>th</sup>	7 <sup>th</sup>	CSL 314	Industry Internship Project	DE	0	0	4	6	
<b>Subtotal</b>					<b>15</b>	<b>0</b>	<b>10</b>	<b>25/6*</b>	
<b>Total</b>								<b>31</b>	
<b>GRAND TOTAL</b>								<b>153</b>	
4 <sup>th</sup>	8 <sup>th</sup>	CSL 314	Industry Internship Project	DE	0	0	4	6	
			<b>OR</b>						
4 <sup>th</sup>	8 <sup>th</sup>	CSL 309	Project	DE	0	0	4	6	
4 <sup>th</sup>	8 <sup>th</sup>	CSL 310	Elective-IV	DE	3	0	2	4	
4 <sup>th</sup>	8 <sup>th</sup>	CSL 311	Elective-V	DE	3	0	2	4	
4 <sup>th</sup>	8 <sup>th</sup>	CSL 312	Elective-VI	DE	3	0	0	3	
4 <sup>th</sup>	8 <sup>th</sup>	CSL 313	Elective-VII	DE	3	0	0	3	
4 <sup>th</sup>	8 <sup>th</sup>		OPEN/MOOC course	OC	3	0	0	3	
<b>Subtotal</b>					<b>15</b>	<b>0</b>	<b>10</b>	<b>6/25*</b>	
<b>Total</b>								<b>31</b>	

Type	Credits
BS	16
ES	08
HU	14
OC	03
DE	38
DC	74
<b>TOTAL</b>	<b>153</b>