

**Jharkhand University of Technology, Ranchi**  
**Diploma (Mining and Mine Surveying/ Mining Engineering)**  
**NEP-2020 based Syllabus w.e.f – 2024-25 batch**

**III<sup>th</sup> Semester**

S.No.	Course Code	Course Title	Hours per week				Cr	FM	Overall Pass Marks	Internal (CIE)	External (SEE)	Categorization
			L	T	P	J						
01	<a href="#">MIN301</a>	Opencast Mining	3	1	0	6	4	100	40	30	70	MIN
02	<a href="#">MIN302</a>	U/G Metalliferous Mining	3	1	0		4	100	40	30	70	MIN
03	<a href="#">MIN303</a>	Mine Surveying – I	3	1	0		4	100	40	30	70	MIN
04	<a href="#">MIN304</a>	Mining Geology – II	3	1	0		4	100	40	30	70	MIN
<b>Total</b>			<b>12</b>	<b>4</b>	<b>0</b>		<b>16</b>	<b>400</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Practical</b>			<b>L</b>	<b>T</b>	<b>P</b>		<b>Cr</b>	<b>FM</b>	<b>Overall Pass Marks</b>	<b>Internal</b>	<b>External</b>	<b>Categorization</b>
05	MIN301	Opencast Mining	0	0	4		2	50	25	30	20	MIN
06	MIN302	U/G Metalliferous Mining	0	0	4		2	50	25	30	20	MIN
07	MIN303	Mine Surveying – I	0	0	4		2	50	25	30	20	MIN
08	MIN304	Mine Geology – II	0	0	4		2	50	25	30	20	MIN
<b>Total</b>			<b>0</b>	<b>0</b>	<b>16</b>	<b>8</b>	<b>200</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	
<b>Audit Course</b>			<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>	<b>FM</b>	<b>Overall Pass Marks</b>	<b>Internal</b>	<b>External</b>	<b>Categorization</b>	
09	AUC301	Professional Skills	3	0	0	0	100	40	30	70	AUC	
10	AUC301P	Sports/NCC/NSS/YOGA/Painting/Music/ Classical Dance	6			0	50	25	30	20	AUC	
<b>Total</b>			<b>3</b>	<b>0</b>	<b>7</b>	<b>--</b>	<b>150</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	
<b>Grand Total</b>			<b>15</b>	<b>4</b>	<b>16</b>	<b>6</b>	<b>24</b>	<b>750</b>	<b>--</b>	<b>--</b>	<b>--</b>	

\*MIN- Mining Engineering; AUC- Audit Course; L: Lecture, T: Tutorial, P: Practice, CIE- Continuous Internal Evaluation, SEE- Semester End Evaluation.  
**J- Self learning hours shall not be reflected in the Time table. Self-learning includes micro project/ assignment/ other activities as mentioned in earlier semester.  
Passing in Audit Course shall be mandatory.**

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**IV<sup>th</sup> Semester**

S.No.	Course Code	Course Title	Hours per week				Cr	FM	Overall Pass Marks	Internal (CIE)	External (SEE)	Categorization
			L	T	P	J						
01	<a href="#">MIN401</a>	Mine Environment and Ventilation	3	1	0	0	4	100	40	30	70	MIN
02	<a href="#">MIN402</a>	Mine Machinery	3	1	0		4	100	40	30	70	MIN
03	<a href="#">MIN403</a>	Mine Surveying – II	3	1	0		4	100	40	30	70	MIN
04	<a href="#">MIN404</a>	UG/ Coal Mining (Method of Working)	3	1	0		4	100	40	30	70	MIN
<b>Total</b>			<b>12</b>	<b>4</b>	<b>0</b>		<b>16</b>	<b>400</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Practical</b>			<b>L</b>	<b>T</b>	<b>P</b>		<b>Cr</b>	<b>FM</b>	<b>Overall Pass Marks</b>	<b>Internal</b>	<b>External</b>	<b>Categorization</b>
05	MIN401P	Mine Environment and Ventilation	0	0	4		2	50	25	30	20	MIN
06	MIN402P	Mine Machinery	0	0	4		2	50	25	30	20	MIN
07	MIN403P	Mine Surveying – II	0	0	4		2	50	25	30	20	MIN
08	MIN404P	UG/ Coal Mining (Method of Working)	0	0	4		2	50	25	30	20	MIN
<b>Total</b>			<b>0</b>	<b>0</b>	<b>16</b>		<b>8</b>	<b>200</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Audit Course</b>			<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>	<b>FM</b>	<b>Overall Pass Marks</b>	<b>Internal</b>	<b>External</b>	<b>Categorization</b>	
09	AUC401	Mastering Personal Finance (Basic to Advance Strategies)	3	0	0	0	100	40	30	70	AUC	
10	AUC401P	Sports/NCC/NSS/YOGA/Painting/Music/ Classical Dance	6			0	50	25	30	20	AUC	
11	INT401P	Summer Internship	6-8 Weeks			Student shall participate actively in one of the activities and for Passing of the semester "Participation Certificate" in activity will be mandatory. Student participation shall be monitored and participation record shall be maintained at institute level.						
<b>Total</b>			<b>3</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>--</b>	<b>--</b>	<b>1/0</b>	<b>--</b>	<b>INT</b>	
<b>Grand Total</b>			<b>15</b>	<b>4</b>	<b>16</b>	<b>6</b>	<b>26</b>	<b>750</b>	<b>--</b>	<b>--</b>	<b>--</b>	

**Note-**

1. MIN- Mining Engineering; AUC- Audit Course; L: Lecture, T: Tutorial, P: Practice, CIE- Continuous Internal Evaluation, SEE- Semester End Evaluation.
2. INT- Internship (Completion of internship will be marked as-1; Non-completion of internship will be marked as-0 by the institution; The submitted write up & presentation record shall be kept safely by the institution).
3. J- Self learning hours shall not be reflected in the Time table. Self-learning includes Micro project/ assignment/ other activities as mentioned in earlier semester.
4. Passing in Audit Course shall be mandatory.