

Course Structure for I B.Tech (CE, ME, Automobile Engg, Mining Engg)

2014-15

total credits at the end of I Year = 24+21 = 45

CE, ME, AUTOMOBILE, MINING			
SEMESTER 1	Credits/ Periods	SEMESTER 2	Credits/ Periods
English -1	3 /3+1	English -2	3 /3+1
Mathematics -1	3 /3+1	Mathematics -3	3 /3+1
Mathematics -2 (Mathematical Methods)	3 /3+1	Engineering chemistry	3 /3+1
Engineering Physics	3 /3+1	Engineering Mechanics	3 /3+1
Computer programming	3 /3+1	Engineering Drawing	3 /3+1
Environmental Studies	3 /3+1	Professional Ethics & Human Values*	0 /3+1
English communication lab-1	2 / 3	English communication lab-2	2 / 3
Engineering Physics lab (Engineering Physics Virtual lab assignments)	2 / 3	Engineering Chemistry lab	2 / 3
C- programming lab	2 / 3	Engg work shop & IT work shop	2 / 3
Total credit =	24	Total credits	21
Total credit =24		Total Credit = 21	

Prof Ethics and Human values is an Audit course/add on course with internal assessment only, pass at 40 % compulsory, No credit/Marks> result shown as unsatisfactory/ Not satisfactory

Engineering mechanics & Engineering drawing syllabus can be modified to meet the needs of non circuit branches.

Theory & 3 Practicals (24 periods + 9 Periods = 33 periods, Total 36 periods per week. Of the remaining 3 periods 1 period may be allotted for Seminar, 2 periods (last) may be allotted to remedial coaching for slow learners.

[Handwritten signatures]

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

II Year – I Semester

S. No.	Course Title	Periods per week			C	Scheme of Examination Max. Marks		
		T	P	D		Int.	Ext.	Total
0.	T.D. and F. M. 14163301	4	-		3	30	70	100
1.	Mine Surveying – I 14160302	4	-		3	30	70	100
2.	Mining Geology – I 14160303	4	-		3	30	70	100
3.	Dev. Of Mineral Deposits 14160304	4	-		3	30	70	100
4.	Drilling and Blasting 14160305	4	-		3	30	70	100
5.	Machine Drawing 14167331	1	-	3	3	30	70	100
6.	Mine Surveying Lab - I 14160311	-	3		2	50	50	100
7.	Advanced English Communication Skills Lab 14169312	-	3		2	50	50	100
Total		21	6	3	22	280	520	800

T- THEORY P – PRACTICAL D- DRAWING C - CREDITS

[Signature]
[Signature]

[Signature]
[Signature]
[Signature]

[Signature]
Saswati

II Year – II Semester

	Course Title	Periods per week			C	Scheme of Examination Max. Marks		
		T	P	D		Int.	Ext.	Total
	Material Engineering <i>14163401</i>	4	-	-	3	30	70	100
	Basic Electrical Engineering <i>14163402</i>	4	-	-	3	30	70	100
	Kinematics of Machinery <i>14163403</i>	4	-	-	3	30	70	100
	Mine Surveying - 2 II <i>14160404</i>	4	-	-	3	30	70	100
	Surface Mining <i>14160405</i>	4	-	-	3	30	70	100
	CAD Practice <i>14163406</i>	1	3	-	3	30	70	100
	Mine Surveying Lab - 2 II <i>14160411</i>	-	3		2	50	50	100
	Basic Electrical Engg. Lab <i>14162412</i>	-	3		2	50	50	100
	Mine Field visit <i>14160481</i>	-	-		-	-	-	-
0.	Soft Skills-1 <i>14169497</i>	-	3		-	-	-	
Total		21	12		22	280	520	800

T- THEORY P – PRACTICAL D- DRAWING C - CREDITS

[Signature]
S

[Signature]

chiranjit
[Signature]

[Signature]
Saswati

ANNEXURE - I

(2016-17) GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

B. Tech. Mining Engineering (Autonomous)

Course Structure - IIIrd Year- Ist Semester

SL No.	Course Title	Periods per week			C	Scheme of Examination (Max. Marks)		
		T	P	D		Int.	Ext.	Total
1.	Mining Geology – II	4	-	-	3	30	70	100
2.	Mine System Engineering	4	-	-	3	30	70	100
3.	Underground Coal Mining	4	-	-	3	30	70	100
4.	Mining Machinery - I	4	-	-	3	30	70	100
5.	Mine Environmental Engineering-I	4	-	-	3	30	70	100
6.	Industrial Engineering & Management	4	-	-	3	30	70	100
7.	Mining Geology Laboratory	-	3		2	50	50	100
8.	Mine Environmental Engineering Laboratory	-	3		2	50	50	100
9.	IPR and Patents	-	3		-	-	-	-
10.	Mini Project	-	-		2	50 100		50 100
Total		24	9		24	280 380	570 590	850 900

T- THEORY P – PRACTICAL D- DRAWING C- CREDITS

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

(2016-17)GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

B. Tech. Mining Engineering (Autonomous)

Course Structure - IIIrd Year- IInd Semester

SL No.	Course Title	Periods per week			C	Scheme of Examination (Max. Marks)		
		T	P	D		Int.	Ext.	Total
1. 2.	Rock Mechanics	4	-	-	3	30	70	100
2. 3.	Mine Environmental Engineering- II	4	-	-	3	30	70	100
3. 4.	Underground Metal Mining	4	-	-	3	30	70	100
4. 5.	Mining Machinery – II	4	-	-	3	30	70	100
5. 6.	Mine Planning and Design	4	-	-	3	30	70	100
6. 1.	Managerial Economics & Financial Analysis	4	-		3	30	70	100
7.	Rock Mechanics Lab	-	3		2	50	50	100
8.	Mine Planning and Design Lab	-	3		2	50	50	100
9.	Industrial Training	-	-		✓	-	-	-
10.	Soft Skills-II	-	3		-	-	-	-
Total		24	9		22	280	520	800

T- THEORY

P – PRACTICAL

D- DRAWING

C - CREDITS

(2017-18) GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

B. Tech. Mining Engineering (Autonomous)

Course Structure – IVth Year- Ist Semester

S. No.	Course Title	Periods per week			C	Scheme of Examination		
		T	P	D		Int.	Ext.	Total
1.	Mineral Economics	4	-	-	3	30	70	100
2.	Computer Applications in Mining	4	-	-	3	30	70	100
3.	Mineral Processing	4	-	-	3	30	70	100
4.	Mine Legislation	4	-	-	3	30	70	100
5.	Mine Ground Control	4	-	-	3	30	70	100
6.	Department Elective - 1	4	-	-	3	30	70	100
7.	Computer Applications in mining laboratory	-	3		2	50	50	100
8.	Mineral Processing Lab	-	3		2	50	50	100
9.	Survey camp	-	-		2	100	-	100
Total		24	6		24	380	520	800 900

T- THEORY P – PRACTICAL D- DRAWING C - CREDITS

Department Elective 1:

- 1) Environment Management in mines
- 2) Rock slope Engineering
- 3) Rock Fragmentation Engineering

B. Tech. Mining Engineering (Autonomous)

Course Structure – IVth Year- IInd Semester

S. No.	Course Title	Periods per week			C	Scheme of Examination		
		T	P	D		Int.	Ext.	Total
1.	Production Planning and Control	4	-	-	3	30	70	100
2.	Department Elective-2	4	-	-	3	30	70	100
3.	Department Elective - 3	4	-	-	3	30	70	100
4.	Open Elective	4	-	-	3	30	70	100
5.	Project Work	-	-	-	9	-	-	200
Total		16	-	-	21			600

T- THEORY P – PRACTICAL D- DRAWING C - CREDITS

Department Elective 2:

- 1) Mine Subsidence Engineering
- 2) Mine Construction
- 3) Tunneling Engineering

Department Elective 3:

- 1) Planning of Underground Metal Mining Project
- 2) Planning of Underground Coal Mining Project
- 3) Planning of Surface Mining Project

Open Electives:

- 1) Industrial Robotics
- 2) Environmental Impact Assessment
- 3) Deep-sea mining
- 4) Numerical methods