GovindraoWanjari College of Engineering & Technology, Nagpur

Criterion No 7

Institutional Values and Best Practices

7.1.9 The institution offers a course on Human Values and professional ethics

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The institution offers a course on Human Values and professional ethics.

Yes 1

Sr.No.	Description of Critical Issues	Title of Course where the issue is addressed	Unit No.	Remark
1.	Environment and Sustainability	BEETE406T		
2.	Communication Skill			
3.	Professional Ethics	Ethical Sciences (BESII-8)	Unit III Professional Ethics	

SCHEME OF EXAMINATION FOR

B.E. FIRST YEAR (All Branches of Engineering)

(SEMESTER – I)

Sr. No.	Subject	Work load				Credit				Marks				
										Theory		Practical		Total Marks
		L	P	T	Total	L	P	T	Total	Sessional	Univ.	Sessional	Univ.	
1.	Applied Mathematics I	4	-	1	5	4	-	1	5	20	80	-	-	100
2.	Engineering Physics	2	2	1	5	2	1	1	4	10	40	25	25	100
3.	Engineering Chemistry	2	2	1	5	2	1	1	4	10	40	25	25	100
4.	Basic Electrical Engineering	2	2	1	5	2	1	1	4	10	40	25	25	100
5.	Basic Civil Engineering	2	-	1	3	2	-	1	3	10	40	-	-	50
6.	Engineering Graphics – I	2	2	1	5	2	1	1	4	10	40	25	25	100
7.	Communication Skills	-	2	-	2	-	2	-	2	-	-	25	25	50
8.	Computational Skills	-	2	-	2	-	2	-	2	-	-	25	-	25
	Total	**14**	**12**	**06**	**32**	**14**	**08**	**06**	**28**	**70**	**280**	**150**	**125**	**625**

Note:
1) The diploma holder students seeking admission to direct second year B.E. and B.Sc. students seeking admission to B.E. First year will be exempted from appearing in examinations of Applied Mathematics I and Applied Mathematics II papers.
2) The students of B.E. Part time will be exempted from appearing in examination of Applied Mathematics I and Applied Mathematics II papers.

Communication Skill (BESI-7)

(Total Credits: 02)

Teaching Scheme	**Examination Scheme**
Practical: 2 Hours/Week	**Practical**
	P (U): 25 Marks **P (I):** 25 Marks
	Duration of University Practical: 03 Hours

Following points are to be covered while demonstration of Communication Skill Practicals:

a) Practical and practice of letter writing: Business, Job and Bank Correspondence.

b) Technical Report Writing.

c) Grammar:

1. Correction of Common Error
2. Exercise on rewrite as directed
3. Correct use of words, idioms, phrases, prepositions etc.

d)

1. Principles of Public Speaking
2. Reading Comprehension

e)

1. Professional Communication Skill
   (Meaning, Significance, Types, Dimensions & Barriers)
2. Group Discussion (GD) and Personal Interview (PI)
   (Importance of GD, Modules of GD, How to prepare for GD; Meaning, Types & Techniques of PI, How to prepare for PI)

Communication Skills Practicals

Sr. No.	NAME OF THE PRACTICAL	ACTIVITY TO BE TAKEN	MEDIUM OF PRACTICAL
1	BARRIER TO COMMUNICATIN	1. intro to various kind of barriers 2. Activity class on semantic barriers	PPT based, Activity Based
2	READING SKILLS	1. Skimming, Scanning & Gist reading 2. Comprehending passages	PPT based, Activity Based

SCHEME OF EXAMINATION FOR
B.E. FIRST YEAR (All Branches of Engineering)
(SEMESTER – II)

Sr. No.	Subject	Work load				Credit				Marks				
										Theory		Practical		Total Marks
		L	P	T	Total	L	P	T	Total	Sessional	Univ.	Sessional	Univ.	
1.	Applied Mathematics – II	4	-	1	5	4	-	1	5	20	80	-	-	100
2.	Advanced Physics	2	2	1	5	2	1	1	4	10	40	25	25	100
3.	Materials Chemistry	2	2	1	5	2	1	1	4	10	40	25	25	100
4.	Engineering Mechanics	2	2	1	5	2	1	1	4	10	40	25	25	100
5.	Advanced Electrical Engineering	2	-	1	3	2	-	1	3	10	40	-	-	50
6.	Engineering Graphics – II	-	2	1	3	-	2	1	3	-	-	25	25	50
7.	Workshop	-	2	-	2	-	2	-	2	-	-	25	25	50
8.	Ethical Sciences	2	-	-	2	2	-	-	2	50	-	-	-	50
	Total	**14**	**10**	**06**	**30**	**14**	**07**	**06**	**27**	**110**	**240**	**125**	**125**	**600**

Ethical Sciences (BESII-8)

(Total Credits: 02)

Teaching Scheme	**Examination Scheme**
Theory: 2 Hours/Week	**Theory** **T (I):** 50 Marks **Duration of Internal Examination:** 02 Hrs

Unit – I :

1) Concept of Culture and Civilization.
2) Applied Humanities and Social Engineering.
3) Socio-Legal Awareness: Right to Information(RTI), Public Interest Litigation (PIL), Intellectual Property Rights(IPR) & Parents, Lokpal and Lokayukta .

Unit – II :

1) Meaning and Scope of Industrial Psychology and Industrial Sociology.
2) Fatigue, Selection and Training of Workers, Motives for Work in Industry.
3) Transactional Analysis.

Unit – III :

1) Sustainable development.
2) Professional Ethics.
3) Organizational Behavioral Dynamics: Leadership in Industry.

Unit – IV :

1) Indian Constitution and Federal System.
2) Fundamental Rights and Directive Principles.
3) Role of Bureaucracy in Modern Society.

Unit – V :

1) Industrial Democracy.
2) Works Organization: Power, Authority and Status System; Formal and Informal Organization.
3) Industrialization and Urbanization: Study of Slums.

IV SEM BACHELOR OF ENGINEERING IN(ELECTRONICS & COMMUNICATION / ELECTRONICS & TELECOMMUNICATION ENGINEERING)

Sub Code	Board	SUBJECT	Work Load				Credit				Marks				
											Theory		Practical		Total Marks
			L	P	T	Total	L	P	T	Total	Internal	University	Internal	University	
BEECE401T/ BEETE401T	Applied Science & Humanities	Applied Mathematics –IV	4	0	1	5	4	0	1	5	20	80	0	0	100
BEECE402T/ BEETE402T	Electrical	Power Devices & Machines	4	0	0	4	4	0	0	4	20	80	0	0	100
BEECE402P/ BEETE402P	Electrical	Power Devices & Machines	0	2	0	2	0	1	0	1	0	0	25	25	50
BEECE403T/ BEETE403T	Electronics	Electromagnetic Field	4	0	1	5	4	0	1	5	20	80	0	0	100
BEECE404T/ BEETE404T	Electronics	Digital Circuits And Fundamental Of Microprocessor	4	0	1	5	4	0	1	5	20	80	0	0	100
BEECE404P/ BEETE404P	Electronics	Digital Circuits And Fundamental Of Microprocessor	0	2	0	2	0	1	0	1	0	0	25	25	50
BEECE405T/ BEETE405T	Electronics	Signals & Systems	4	0	1	5	4	0	1	5	20	80	0	0	100
BEECE406T/ BEETE406T	Applied Science & Humanities	Environmental Studies	3	0	0	3	Audit Course			0	0	0	G	0	0
BEECE407P/ BEETE407P	Electronics	Software Workshop	0	2	0	2	0	2	0	2	0	0	25	25	50
Total			23	6	4	33	20	4	4	28	100	400	75	75	650

B.E. Fourth Semester

(Electronics/Electronics & Communication/ Electronics & Telecommunication Engg)

ENVIRONMENTAL STUDIES

Duration : 3 Hr.

College Assessment : Grade

University Assessment : 00 Marks

Subject Code : BEENE406T/ BEECE406T/ BEETE406T [3 – 0 – 0 – 0]

Objectives :

The goals of the Environmental Studies subject are to:

1) Increase understanding of how the world as a bio-physical system works, foster awareness of the earth's vital signs, and sharpen the ability of students to understand the nature and results of science.

2) Encourage a critical understanding of the various historical, political, economic, ethical, and religious forces that have shaped and continue to shape our world.

3) Nurture an ecological frame of mind which is willing and able to see things whole and thus resist the narrow specialization that can blind us to the connections between disciplines and bodies of knowledge.

4) Cultivate people who have sufficient knowledge, care, and practical competence to live in an ecologically responsible way.

5) Provide opportunities for students to explore the connections between environmental issues and different religious and philosophical traditions, and to encourage students who are Christian to reflect on their faith and its vision of shalom.

Outcome :

Through the course sequence in ESS, students will be able to:

1. Recognize major concepts in environmental sciences and demonstrate in-depth understanding of the environment.
2. Develop analytical skills, critical thinking, and demonstrate problem-solving skills using scientific techniques.
