

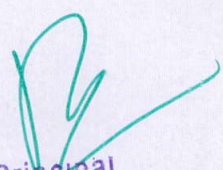


SAPTHAGIRI COLLEGE OF ENGINEERING, SCE, BANGALORE-57
(Recognized by All India Council for Technical Education, New Delhi)
(Affiliated to Visvesvaraya Technological University, Belgaum)
Department of Biotechnology

ACADEMIC FILE

F-QAD-02/ RC

Sl. No.	Document
1	Vision & Mission Statements of Dept. & Institution
2	Subject allotment letter
3	Copies of syllabus, List of Text Books, Reference Books, Course Objectives and Course Outcomes
4	Lecture Notes
5	University Question Papers
6	Calendar of Events
7	Personal Time Table & Class Time Table
8	Lesson Plan & Teaching Diary
9	Student List & Batch List (Attendance Register)
10	Assignment/Question Bank
11	Test Question Papers with Scheme & Solution
12	IA Marks T1, T2, T3, Tavg, Assignment & Final IA (Attendance Register)
13	Feedback by students
14	IA Marks sent to VTU
15	VTU Exam Result Analysis
16	CO Attainment


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057



Sapthagiri College of Engineering

14/5, Chikkasandra, Hesaraghatta main road, Bengaluru-560057

VISION AND MISSION OF THE INSTITUTE

Vision

The vision of the institution is to create and maintain an enabling learning environment for the students to transform them as thorough professionals to meet diverse professional demands of global environments

Mission

The mission of the institution is to provide quality education to the students to pursue courses in different engineering disciplines and to transform their professional dreams into reality and to offer competent budding professionals to the society.

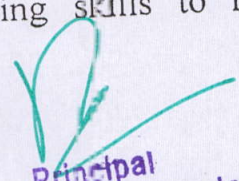
VISION AND MISSION OF THE DEPARTMENT OF CIVIL ENGINEERING

Vision

To create technically competent, research oriented and ethically strong Civil engineers to address the current and future challenges of the society

Mission

- To create Civil engineers of high technical competency and ethical values
- To promote research in Civil engineering and allied fields
- To invoke innovative ideas and problem solving skills to meet the challenges globally


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DEPARTMENT OF CIVIL ENGINEERING

To,

Mr/Ms

Krupa. J. L.

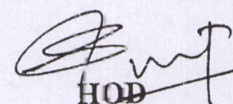
Assistant/ Associate Professor

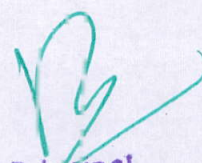
Department of Civil Engineering

SCE, Bangalore - 57

This is to inform that, you have been allotted the following theory subject and laboratory for the academic year 2017 - 2018 odd/ even semester

Sl No	Subject title	Subject code	Semester
1.	Engineering Geology Theory	15CV35	<u>III</u>
2.	Basic Surveying Practice	15CVL38	<u>III</u>
3.	Environmental Studies (G.H.I.)	15CIV18	<u>I</u>
	J. K. L. Sec		


HOD



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ENVIRONMENTAL STUDIES

[As per Choice Based Credit System (CBCS) scheme]

(Effective from the academic year 2017 -2018)

SEMESTER - I/II

Subject Code	17CIV18/17CIV28	IA Marks	10
Number of Lecture Hours/Week	02	Exam Marks	40
Total Number of Lecture Hours	25	Exam Hours	02

Course Objectives:

1. To identify the major challenges in environmental issues and evaluate possible solutions.
2. Develop analytical skills, critical thinking and demonstrate socio-economic skills for sustainable development.
3. To analyze an overall impact of specific issues and develop environmental management plan.

Module - 1

Introduction: Environment - Components of Environment Ecosystem: Types & Structure of Ecosystem, Balanced ecosystem Human Activities – Food, Shelter, And Economic & Social Security **2 Hours**

Impacts of Agriculture & Housing Impacts of Industry, Mining & Transportation Environmental Impact Assessment, Sustainable Development. **3 Hours**

Module - 2

Natural Resources, Water resources – Availability & Quality aspects, Water borne diseases & water induced diseases, Fluoride problem in drinking water Mineral resources, Forest Wealth Material Cycles – Carbon Cycle, Nitrogen Cycle & Sulphur Cycle. **2 Hours**

Energy – Different types of energy, Conventional sources & Non Conventional sources of energy Solar energy, Hydro electric energy, Wind Energy, Nuclear energy, Biomass & Biogas Fossil Fuels, Hydrogen as an alternative energy. **3 Hours**


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Module -3

Environmental Pollution – Water Pollution, Noise pollution, Land Pollution, Public Health Aspects. **2 Hours**

Global Environmental Issues: Population Growth, Urbanization, Land Management, Water & Waste Water Management. **3 Hours**

Module -4

Air Pollution & Automobile Pollution: Definition, Effects – Global Warming, Acid rain & Ozone layer depletion, controlling measures. **3 Hours**

Solid Waste Management, E - Waste Management & Biomedical Waste Management - Sources, Characteristics & Disposal methods. **2 Hours**

Module - 5

Introduction to G.S & Remote sensing, Applications of GIS & Remote Sensing in Environmental Engineering Practices. **2 Hours**

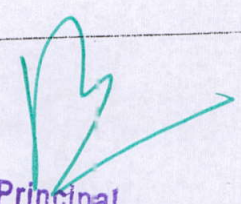
Environmental Acts & Regulations, Role of government, Legal aspects, Role of Non-governmental Organizations (NGOs), Environmental Education & Women Education. **3 Hours**

Course Outcome:

Students will be able to,

1. Understand the principles of ecology and environmental issues that apply to air, land, and water issues on a global scale.
2. Develop critical thinking and/or observation skills, and apply them to the analysis of a problem or question related to the environment.
3. Demonstrate ecology knowledge of a complex relationship between biotic and abiotic components
4. Apply their ecological knowledge to illustrate and graph a problem and describe the realities that managers face when dealing with complex issues

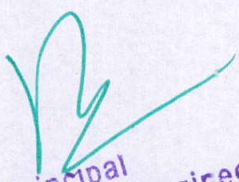
Text Books:


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1. Benny Joseph (2005), "Environmental Studies", Tata McGraw – Hill Publishing Company Limited.
2. R.J.Ranjit Daniels and Jagadish Krishnaswamy, (2009), "Environmental Studies", Wiley India Private Ltd., New Delhi.
3. R. Rajagopalan, "Environmental Studies – From Crisis to Cure", Oxford University Press, 2005,
4. Aloka Debi, "Environmental Science and Engineering", Universities Press (India) Pvt. Ltd. 2012.

Reference Books:

1. Raman Sivakumar, "Principals of Environmental Science and Engineering", Second Edition, Cengage learning Singapore, 2005
2. P. Meenakshi, "Elements of Environmental Science and Engineering", Prentice Hall of India Private Limited, New Delhi, 2006
3. S.M. Prakash, "Environmental Studies", Elite Publishers Mangalore, 2007
4. Erach Bharucha, "Text Book of Environmental Studies", for UGC. University press, 2005
5. G.Tyler Miller Jr., "Environmental Science – working with the Earth". Tenth Edition, Thomson Brooks /Cole, 2004
6. G.Tyler Miller Jr., "Environmental Science – working with the Earth", Eleventh Edition, Thomson Brooks /Cole, 2006
7. Dr.Pratiba Sing, Dr.AnoopSingh and Dr.Piyush Malaviya, "Text Book of Environmental and Ecology", Acme Learning Pvt. Ltd. New Delhi.


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CBCS SCHEME

17CIV18/28

USN

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First/Second Semester B.E Degree Examination, Dec.2018/Jan.2019

Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 30

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the thirty questions, each question carries one mark.
2. Use only **Black ball point pen** for writing / darkening the circles.
3. **For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.**
4. Darkening two circles for the same question makes the answer invalid.
5. **Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.

1. In an ecosystem, the flow of energy is
a) Bidirectional b) Cyclic c) Unidirectional d) Multidirectional
2. Which of the following statements is TRUE
a) Green plants are self nourishing
b) Producers depends on consumers
c) Biotic components includes all non-living components
d) Herbivores depend on Carnivores
3. In an ecosystem biological cycling of materials is maintained by
a) Producer b) Consumers c) Decomposer d) All of these
4. Which of the following is not a prominent chemical responsible for a good habitat?
a) O_2 b) CO_2 c) SO_2 d) Nutrients
5. The most abundant element in the earth's crust is
a) Oxygen b) Silicon c) Sodium d) Iron
6. E.I.A. can be expanded as
a) Environment and Industrial Act
b) Environment and Impact Activities
c) Environment Impact Assessment
d) Environmentally Important Activity
7. The permissible limit of the important constituent head in domestic potable water as per BIS is
a) 0.05 mg/L b) 0.005 mg/L c) 5 mg/L d) 1 mg/L

-1 of 3-

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8. Skeletal fluorosis is characterized by
 - a) Severe and permanent bone joint deformation
 - b) Disordered backend
 - c) Nervous breakdown
 - d) Anemic
9. Which of the following standards about forest is not correct?
 - a) Forests reduces soil erosion
 - b) Provides recreational opportunities
 - c) Provides a source of economic development
 - d) None of these
10. At present Karnataka is having forest covered of
 - a) 20.19%
 - b) 18.10%
 - c) 28.00%
 - d) 16.4%
11. Conversion of nitrates into gases of nitrogen is called _____.
 - a) Nitrification
 - b) Nitrogen fixing
 - c) Reduction
 - d) Denitrification
12. Good example for sedimentary cycle is
 - a) Carbon cycle
 - b) Oxygen cycle
 - c) Nitrogen cycle
 - d) Sulphur cycle
13. Water is an excellent solvent because
 - a) It has high dielectric constant
 - b) It is volatile
 - c) Both a and b
 - d) None of these
14. BOD is
 - a) Biochemical Oxygen Demand
 - b) A measure of dissolved solids
 - c) Usually greater than COD
 - d) All of these
15. Definition of noise in
 - a) Loud sound
 - b) Unwanted sound
 - c) Constant sound
 - d) Sound of high frequency
16. Road traffic noise varies depending on
 - a) Number and type of operating vehicles
 - b) Traffic density
 - c) The hour of the day
 - d) All of these
17. Noise pollution limits at residential area.
 - a) 45 dB
 - b) 80 dB
 - c) 55 dB
 - d) 90 dB
18. The noise level human can hear without discomfort is
 - a) 140 dB
 - b) 110 dB
 - c) 80 dB
 - d) 190 dB
19. Demography is the study of
 - a) Animal's behavior
 - b) Population growth
 - c) Rivers
 - d) None of these
20. The average life expectancy around the world is currently
 - a) Increasing
 - b) Decreasing
 - c) Not changing
 - d) Stabilizing

21. The main cause for the decline of the population of Europe in the 12th and 13th centuries was
 a) Diphtheria b) Cholera
 c) Plague d) Meningitis
22. Which of the following is not the effect of urbanization?
 a) Air pollution b) Thermal pollution
 c) Solid waste production d) Noise pollution
23. During the last 30 years the percentage decrease in agriculture land due to urbanization is about
 a) 40% b) 60% c) 30% d) 0%
24. How much percentage of population is living in urban?
 a) 21.7% b) 30% c) 45% d) 10%
25. Which of the following are considered as alternative fuels?
 a) CNG b) Kerosene c) Coal d) None of these
26. The pH of acid rain is
 a) Less than 5.7 b) Less than 3.7 c) Less than 2.7 d) Less than 1.7
27. Ozone layer is present in
 a) Troposphere b) Stratosphere c) Mesosphere d) Thermosphere
28. Environmental Protection Act was enacted in the year
 a) 1986 b) 1992 c) 1984 d) 1974
29. 'Earth Day' is observed on
 a) 1st December b) 5th June c) April 22nd d) 1st January
30. Environmental education is targeted to
 a) General public b) Professional social groups
 c) Technicians and scientists d) All

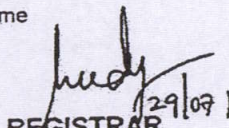
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Academic Calendar of VTU, Belagavi for ODD Semester of 2017-2018 (Aug 2017 – Jan 2018)

	III, V & VII Sem B.E/B.Tech III, V, VII & IX Sem B.Arch	I Sem B.E/B.Tech/ B.Arch	III & V Sem MCA	III Sem MBA	III Sem M.Tech	III Sem M.Arch.
Commencement of ODD Semester	07.08.2017	07.08.2017	07.08.2017	21.08.2017	07.08.2017 [Internship of 16 Weeks]	11.09.2017
Last Working day of ODD Semester	25.11.2017	25.11.2017	25.11.2017	09.12.2017	25.11.2017	13.01.2018
Practical Examination	29.11.2017 To 08.12.2017	29.11.2017 To 08.12.2017	29.11.2017 To 08.12.2017	-	-	-
Theory Examinations	11.12.2017 To 10.01.2018	11.12.2017 To 30.12.2017	11.12.2017 To 30.12.2017	13.12.2017 To 10.01.2018	12.12.2017 To 30.12.2017 (Arrear subjects)	15.01.2018 To 27.01.2018
Summer Project / Professional training	-	-	-	15.01.2018 To 24.03.2018 [Submission report to VTU by 24.04.2018]	-	17.07.2017 To 09.09.2017 [Professional training]
Commencement of EVEN Semester	01.02.2018	01.02.2018	01.02.2018	26.03.2018	08.01.2018	01.02.2018

1. College Time Table shall be arranged for five and a half week days and planned to accommodate EDUSAT transmission slots, the schedule of which will be notified separately.
2. The faculty/staff shall be available to undertake any work assigned by the university.
3. If any of the above date is declared to be a holiday then the corresponding event will come into effect on the next working day.
4. Notification regarding Calendar of Events relating to the conduct of University Examination will be issued by the Registrar (Evaluation) from time to time


 29/07/17
 REGISTRAR

SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE - 57
ACADEMIC CALENDAR - ODD SEM UG - 2017-18 (I, III, V, VII SEM)

ACADEMIC CALENDAR - ODD SEM-UG - 2017-18 (U. III, V, VII SEM)										
Day	August-2017		September-2017		October-2017		November-2017		December-2017	
	Date	Particular	Date	Particular	Date	Particular	Date	Particular	Date	Particular
SUN					01					
MON					02	Gandhi Jayanthi				
TUE	01				03					
WED	02				04		01	Kannada Rajyotsava		
THU	03				05		02			
FRI	04	Varamahalakshmi Vratha	01		06		03		01	VTU (UG) Theory Exams
SAT	05	Monthly Report of July 2017*	02	Bakrid	07	Monthly Report Sept 2017*	04		02	
SUN	06		03		08		05		03	
MON	07	Commencement of even semester	04		09		06	Monthly Report Oct 2017*	04	
TUE	08		05	Monthly Report Aug 2017*	10	2 nd Attendance Report	07		05	
WED	09		06		11		08		06	Monthly Report Nov 2016*
THU	10		07	1 st Attendance Report	12		09		07	
FRI	11		08		13		10		08	End of VTU (UG) Practical Exams
SAT	12		09		14	2 nd IA TEST	11	3 rd Attendance Report	09	
SUN	13		10		15		12		10	
MON	14		11		16	2 nd IA TEST	13		11	Theory Exams Start
TUE	15	Independence Day	12		17	2 nd IA TEST	14		12	
WED	16	Fresher's Day	13		18	Naraka Chthurdashi	15		13	
THU	17		14		19		16	3 rd IA TEST	14	
FRI	18		15	1 st IA TEST	20	Balipadyami (Deepavali)	17	3 rd IA TEST	15	
SAT	19		16	1 st IA TEST	21		18	3 rd IA TEST	16	
SUN	20		17		22		19		17	
MON	21		18	1 st IA TEST	23		20	LAB IAT	18	
TUE	22		19	Mahalaya Amavasye	24		21	LAB IAT	19	
WED	23	1 st Proctor Report	20		25		22	LAB IAT	20	
THU	24	Swarna Gowri Vratha	21		26		23	LAB IAT	21	
FRI	25	Sri Vinyasa Chathurthi	22		27	2 nd IA Report	24	LAB IAT	22	
SAT	26		23		28	3 rd Proctor report*	25	Last Working Day	23	
SUN	27		24		29		26		24	
MON	28		25	1 st IA Report	30		27		25	Christmas
TUE	29		26	2 nd Proctor report	31		28		26	
WED	30		27				29	VTU (UG) Practical Exams	27	
THU	31		28				30		28	
FRI			29	Ayudha Pooja					29	
SAT			30	Vijayadashami					30	
SUN									31	
TOTAL NUMBER OF WORKING DAYS : 84							Commencement of EVEN Semester : 01/02/2018			
NOTE	First Monday	HOD's Meeting (Time 10:30am)				Fourth Saturday	Feedback Report			
	Second & Fourth Monday	Disciplinary Committee Meeting (Time 2:30pm)				Every Saturday	Marketing Committee Meeting (Time 11:45am)			
	First & Third Monday	CMS-Meeting (Time 2:30pm)								
	Fourth Monday	Hostel Committee Meeting (Time 2:30pm)				Note				

*Report shall be submitted to the principal, ** Eligibility to write IA Tests: Students should have minimum 75% attendance (for 1st IAT), 80% attendance (for 2nd IAT), & 85% attendance (for 3rd IAT).

SAPTHAGIRI COLLEGE OF ENGINEERING



ODD SEMESTER TIME-TABLE with effect from 16/08/2017

Chemistry Group

Department/Branch	CV – Chemistry Group	Semester : I	Section : L
Academic Year	2017-18	Room No.	CLH-15
Class Teacher	Bharath K Devendra		
Proctor's Name: Bharath K Devendra Mobile No.: 9900334993 e-mail: bharathdevendra@sapthagiri.edu.in		Proctor's Name: Bhavya N P Mobile No.: 9845750315 e-mail: bhavyanp@sapthagiri.edu.in	

PERIOD	1	2	BREAK	3	4	BREAK	5	6	7
TIME	8:30AM	9:30	10:30	10:40	11:40	12:40	01:30	02:30	03:30
DAY	9:30	10:30	10:40	11:40	12:40PM	01:30	02:30	03:30	04:30PM
MON					15CHE12				
TUE	15CHE12						15CHE12		
	----- (15CHEL17, J ₂) (Lab-1) (KPR + BK) -----								
WED	----- (15CHEL17, L ₂) (Lab-2) (BK + KPR) -----								
THU	----- (15CHEL17, L ₁) (Lab-2) (BK + KPR) -----				15CHE12		----- (15CHEL17, J ₂) (Lab-1) (BSK + BK) -----		
FRI							15CHE12		
	----- (15CHEL17, J ₂) (Lab-1) (BSK + BK) -----						----- (15CHEL17, L ₃) (Lab-1) (KPR + BK) -----		
SAT		----- 15CHEL17, L ₃ (Lab-1) (BK + AMA) -----							

Subjects Allocation

Subject Code	Subject Title	Faculty Name	Faculty Code
15MAT11	Engineering Mathematics-I	Bhavya N P	BNP
15CHE12	Engineering Chemistry	Bharath K Devendra	BK
15PC123	C-programming & data structure	Shilpa	SH
15CED14	Computer Aided Engineering Drawing	Basavaraju	BV
15ELN15	Basic Electronics	Suma V Shetty	SVS
15CPL16	Computer Programming Lab	Shilpa	SH
15CHEL17	Engineering Chemistry Lab	Bharath K Devendra	BK
15CIV18	Environmental studies	Krupa T L	KT
	English		

D. S.

Principal

Sapthagiri
Chikkas

Bangalore-560057

B. S. IRISUNA

J. Kani

Name of the Faculty: KRUPA T L

17CIV18
Environmental Studies (G, H, I, J, K, L)

Time → Day ↓	8:30 — 9:30	9:30 — 10:30	10: 30 — 10: 40	10:40 — 11:40	11:40 — 12:40	12:40 — 01:30	01:30 — 02:30	02:30 — 03:30	03.30 — 04.30
MON			S H O R T B R E A K			L U N C H B R E A K		G	
								Survey Lab-B2	
TUE	EG 15CV35							K	
								Survey Lab-B3	
WED	EG 15CV35				H				J
								Survey Lab-B1	
THU					EG 15CV35				L
FRI		EG 15CV35							
SAT		I							

Suma
Signature of the TTC

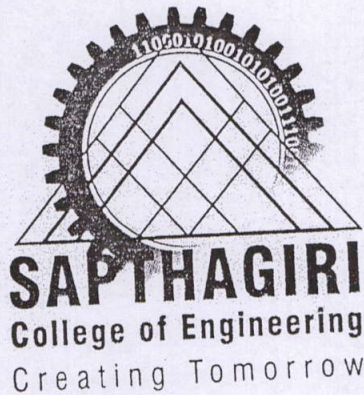
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Signature of HOD

[Signature]
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SAPTHAGIRI COLLEGE OF ENGINEERING

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KARNATAKA. Tel : 080-28372800 to 803 (4 lines) Fax : 28372797
www.sapthagiri.edu.in E-mail : principal@sapthagiri.edu.in



K and L Sec

RECORD OF ATTENDANCE & ASSESSMENT

Name of the Faculty : *KRUPA.T.L*
Department : *Civil Engineering*
Period : From *7/8/2017* To *25/11/2017*

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
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Semester : Odd / Even

Period : From 07/8/2017 To 25/11/2017

F-TLP-10/R0

Name of the Teacher :

Krupa T.L

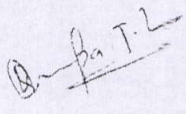
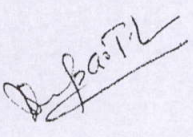
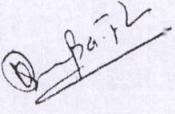
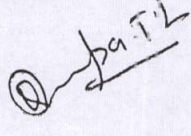
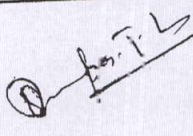
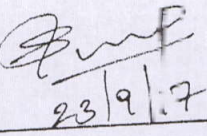
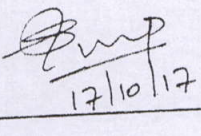
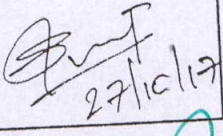
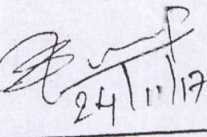
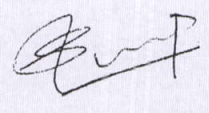
Designation :

Assistant professor.

Department :

Civil Engineering.

Sl. No.	Sem / Sec / Branch	Subject	Subject Code
1	K-3ec / 2 Sem / B.T	Environmental studies	17CIV18.
2	I sem / L-3ec / Civil	Environmental studies	17CIV18.
3			
4			

	REVIEWS at the End of the				End of Semester
	1st Month	2nd Month	3rd Month	4th Month	
Signature of Staff					
Signature of HOD	 23/9/17	 17/10/17	 27/11/17	 24/11/17	

Principal

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Bangalore-560 057

Period	Date	Topics Planned	Date	Topics Covered	Remarks
1	17/8/17	Module - 1. Introduction: Environment - Components of Envi Ecosystem. Types & Structure of Ecosystem.	17/8/17	Module - 1. Introduction: Environment - Components of Envi Ecosystem. Types & structure of Ecosystem.	
2	31/8/17	Balanced ecosystem Human activities - Food, shelter, Economic & Social Security. Impacts of Agriculture.	31/8/17	Balanced ecosystem, Human activities - Food, Shelter, Economic & Social Security. Impacts of Agriculture.	
3	07/9/17	Housing Impacts of Industry, Mining & Transp. Envi Impact Assessment, Sustainable Development.	07/9/17	Housing Impacts of Industry, mining & Transp. Envi Impact Assessment, Sustainable Development.	
4	14/9/17	Module - 2. Natural Resources, water Resources - Availability & Quality aspects, water borne & induced diseases, Fluoride problem.	14/9/17	Module - 2. Natural Resources, water Resources - Availability & Quality aspects, water borne & induced diseases.	
5	21/9/17	Energy - Diff types of energy, Conventional source & Non conventional sources of energy, Solar, Hydro, wind energy.	21/9/17	Energy - Diff types of energy, conventional source & non conventional sources of energy, Solar, Hydro, wind energy.	23/9
6	28/9/17	Nuclear, Biomass, Biogas energy, Hydrogen as an alternative energy.	28/9/17	Nuclear, Biomass, Biogas energy, Hydrogen as an alternative energy.	
7	05/10/17	Module - 3. Envi pollution - water, Noise, land pollution, public Health Aspects.	05/10/17	Module - 3. Envi pollution - water, Noise, Land pollution, public Health Aspects.	21/10
8	12/10/17	Global Environmental Issues - population Growth, Urbanization, land manag-ement, water & waste water manag.	12/10/17	Global Environmental Issues - population Growth, Urbanization, land manag-ement, water & waste water manag.	
9	19/10/17	Module - 4 Air pollution & Automobile pollution, Def, effects of Global warming, Acid rain & ozone layer depletion.	19/10/17	Module - 4 Air pollution & Automobile pollution, Def. effects of Global warming Acid rain & ozone layer depletion.	

LESSON PLAN

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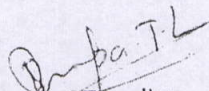
Principal

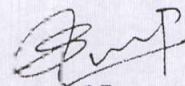
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Chikkasandra, Hesarghatta Road
Bangalore-560 057

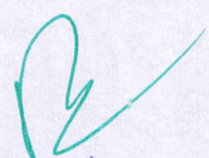
Period	Date	Topics Planned	Date	Topics Covered	Remarks
55					
56					
57					

Reference Text Books / Materials

1. R. Rajagopalan, "Environmental studies - from crisis to cure", Oxford university press, 2005.
2. S.M. prakash, "Environmental studies" Elite publishers mangalore 2007.
3.
4.
5.

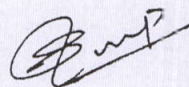
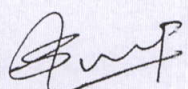
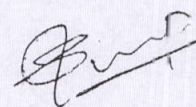

Signature of Faculty


HOD


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Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057

TUTORIAL CLASSES

[illegible]

Test	Date	Class Strength	No. of Students Appeared	No. of Students Scored < 12	Signature of the HOD
T1	15/9/2017	56	55	13	
T2	17/10/17	55	54	12	
T3	18/11/17	55	55	01	

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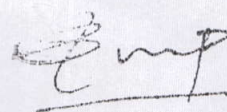
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Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

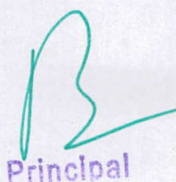
CIVIL ENGINEERING

CV-L Section

USN	STUDENT NAME	USN	STUDENT NAME
1SG17CV001	AFTAAB AHAMED M DAMANI	1SG17CV031	NAYANA M K
1SG17CV002	AKSHAY C J	1SG17CV032	NIKILA R
1SG17CV003	ANUSHA S	1SG17CV033	NISARGA J V
1SG17CV004	ASHWINI S F	1SG17CV034	NITHIN .H.
1SG17CV005	CHAITHRA .I.	1SG17CV035	POOJA B
1SG17CV006	CHEZHAN R JAMANDAR	1SG17CV036	PRAJWAL H C
1SG17CV007	CHIRANTH M	1SG17CV037	PRAJWAL R
1SG17CV008	DARSHAN GOWDA B K	1SG17CV038	PRATHAPA GOWDA H B
1SG17CV009	DARSHAN N S	1SG17CV039	PRATHIKSHA S
1SG17CV011	DEVARAJU M B	1SG17CV040	PURUSHOTHAMA
1SG17CV012	DINAKAR REDDY	1SG17CV041	SADANA .T.
1SG17CV013	GEETHA B M	1SG17CV042	SANTAHOSH MULAWAD
1SG17CV014	HAMMAD MAROOF IMDADI	1SG17CV043	SHASHIDHAR .A.H.
1SG17CV015	HARSHA R	1SG17CV044	SHREEJITH S
1SG17CV016	HARSHA V	1SG17CV045	SUDHA .B.R.
1SG17CV017	HARSHITH .R.	1SG17CV046	SUHAIL AHMAD CHORISAZ
1SG17CV018	HARSHITHA K GOWDA	1SG17CV047	SURAJ J.
1SG17CV019	HARSHITHA R	1SG17CV048	SUSHMA .N.L.
1SG17CV020	HARSHITHA F P	1SG17CV049	TARUN N
1SG17CV021	HEMALATHA S S	1SG17CV050	TEJAS G V
1SG17CV022	JAYKI KISHAN SAH	1SG17CV051	USHA S P
1SG17CV023	K S DARSHAN	1SG17CV052	VINAY KUMAR
1SG17CV024	KIRAN BANCIMADDAR	1SG17CV053	VYSHAK .R.
1SG17CV025	LIKHITHA C K	1SG17CV054	YASHASWI Y S
1SG17CV026	LINGARAJ	1SG17CV055	YASHIK .A.
1SG17CV027	LINGESHWARA GOWDA .M.	1SG17CV056	ZEESHAN YOUSUF
1SG17CV028	LOHITH .R.		
1SG17CV029	MADHUSUDHAN .B.		
1SG17CV030	MANOJ.D. P.		



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S.C.E, Bangalore-560 057



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I internals

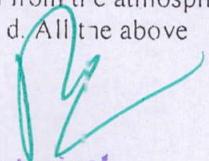
Sub: Environmental studies / 17CIV18

Date: 15/9/2017

Sem: I

Max. Marks: 20

1. The word ecology is proposed by
a. John Haeckel b. Helena Curtis c. Charles Southwick d. Ernst Haeckel
2. The sequence of eating and being eaten in an ecosystem is called
a. Food Chain b. Carbon Cycle c. Hydrological Cycle d. Anthrop system
3. The World environmental day is being celebrated on every year
a. June 6th b. May 5th c. June 5th d. Sept 16th
4. Ecological pyramids are studies of
a. Pyramid of number b. Pyramid of Biomass c. Pyramid of energy d. All of the above
5. Which of it is not an example for an ecosystem?
a. Forest b. Desert c. Water d. Grassland
6. Concentration of pollutants in each trophic levels is known as
a. Bio-remediation b. Bio-accumulation c. Bio-magnification d. All
7. Which pyramid is always upright?
a. Biomass b. Energy c. Numbers d. Food Chain
8. The word ecology is derived from
a. French word b. Spanish word c. Greek word d. English word
9. The organisms who directly feed on producers are called
a. Herbivores b. Carnivores c. Decomposers d. Saprophytes
10. Which of the following is absorbed by green plants from the atmosphere?
a. Carbon dioxide b. water c. Nutrient d. All the above


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11. Intensive agriculture led to deposition of excessive quantity of _____ into aquatic and terrestrial ecosystem.
a. Nitrogen b. Phosphorus c. Sulphur d. None
12. Effect of modern agriculture on soil is due to
a. Erosion b. Acidification c. Salinization d. All
13. Mining means
a. to conserve and preserve minerals b. to check pollution due to mineral resources
c. to extract minerals and ores d. None
14. Minamata episode of Japan is due to the poisoning of
a. lead b. Nickel c. Mercury d. Cadmium
15. Major goals of EIA is
a. Resource conservation b. Monitoring environment c. Waste minimization d. both (a) and (b)
16. EIA means
a. Eco- industrial act b. Eco- impact assessment
c. Environmental industrial impact d. Environmental impact assessment
17. "Earth day" is held every year on
a. June 5th b. April 22nd c. November 2nd d. January 26th
18. Percentage of nitrogen in earth's atmosphere is
a. 98% b. 78% c. 21% d. 12%
19. The word "environment" is derived from
a. French word b. Spanish word c. Greek word d. English word
20. Cauvery water dispute is between
a. India and Pakistan b. Punjab and Haryana
c. Uttar Pradesh and Madhya Pradesh d. Karnataka and Tamil Nadu


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Bangalore- 560 057

60

SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE-57
DEPARTMENT OF CIVIL ENGINEERING
SCHEME & SOLUTIONS

Semester: I Sem
Subject: Environmental studies
Duration: 1/2 hr
Staff Name: Krupa T.L

Date: 15/9/2017
Subject code: 17CEV18
Marks: 20
Signature: Krupa T.L

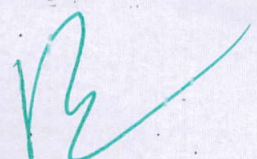
INTERNAL TEST

Qs No	Solutions	Marks Allocated
1.	(d) Ernst Haeckel.	1m
2.	(a) Food chain	1m
3.	(c) June 5 th	1m
4.	(d) All of the above	1m
5.	(d) Grass land.	1m
6.	(c) Bio-magnification.	1m
7.	(b) Energy	1m
8.	(c) Greek word	1m
9.	(a) Herbivores	1m
10.	(a) Carbon dioxide.	1m

Page No


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Qs: No.	Solutions	Marks Allocated
11.	(a) Nitrogen	1 m
12.	(d) All	1 m
13.	(b) To extract minerals and ores	1 m
14.	(c) Mercury	1 m
15.	(a) Resource Conservation	1 m
16.	(d) Environmental impact assessment.	1 m
17.	(b) April 22 nd .	1 m
18.	(b) 78 %	1 m
19.	(a) French wood.	1 m
20.	(a) Karnataka and Tamil Nadu.	1 m.


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 Bangalore-

ATTENDANCE

Class : I Sem

Sec. : L

Subject with Code : Environmental studies
17CIV18

Sl. No.	USN	NAME	Test Marks			Final I.A. Marks	University Marks		
			T1	T2	T3				
1	ISG17CV001	Aftach Ahamet M Samani	10	07	18	12	16	28	P-
2	ISG17CV002	Akshay. C. J	15	18	17	17	25	42	P-
3	ISG17CV003	Anu. S. S	13	06	16	12	20	32	P-
4	ISG17CV004	Ashwini. S. R	14	16	12	14	23	37	P-
5	ISG17CV005	chaithra. E	14	17	15	16	15	31	P-
6	ISG17CV006	Chetan. R. Jamandar	09	05	20	12	12	24	P-
7	ISG17CV007	Chiranth. M	12	08	15	12	18	30	P-
8	ISG17CV008	Darshan Gowda. B. K	12	09	15	12	18	30	P-
9	ISG17CV008	Darshan. N. S	14	07	15	12	16	28	P-
10	ISG17CV010	Deepak. K. Mrigank	Ab						
11	ISG17CV010	Devraj. M. B	12	10	17	13	16	29	P-
12	ISG17CV011	Dinakar Reddy	14	14	15	15	19	34	P-
13	ISG17CV012	Geetha. B. N	17	17	16	17	25	42	P-
14	ISG17CV013	Hammad Maroof Imadi	08	15	12	12	22	34	P-
15	ISG17CV014	Harsha. R	16	15	18	17	20	37	P-
16	ISG17CV015	Harsha. V	13	12	18	16	24	40	P-
17	ISG17CV016	Harshith. R	10	12	19	14	24	38	P-
18	ISG17CV017	Harshitha. K. Gowda	16	14	17	16	27	43	P-
19	ISG17CV018	Harshitha. R	12	14	14	14	27	41	P-
20	ISG17CV019	Harshitha. R. P	15	19	14	16	19	35	P-
21	ISG17CV020	Hemalatha. S. S	16	18	19	18	21	39	P-
22	ISG17CV022	Jayki Kirshan Sah	07	13	14	12	17	29	P-
23	ISG17CV023	K. S. Darshan	13	11	13	13	21	34	P-
24	ISG17CV024	Kiran Bandiwaddar	06	12	17	12	12	24	P-
25	ISG17CV025	Likhitha. G. K	15	18	15	16	22	38	P-
	No. of Abs.								
	Initials								

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ASSESSMENT

Date: 07/08/17 - 25/11/17

													Dt.: 12/9		Dt.: 11/10		Dt.: 11/11		Dt.: 25/11	
													CH: 03		CH: 08		CH: 12		CH: 12	
													CA	%	CA	%	CA	%	CA	%
47	43	49	50	51	52	53	54	55	56	57	58		01	33	04	57	09	75	11	92
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													2	2	2	2	2	2	2	2

ATTENDANCE

Class : I Sem

Sec. : L

Subject with Code : Environmental Studies
17CIV18

Sl. No.	USN	NAME	Test Marks			Final I.A. Marks	University Marks	
			T1	T2	T3			
26	ISG17CV027	Lingaraj	10	12	12	12	15	27 P
27	ISG17CV026	Lingeshwara Gowda. M	16	06	16	13	16	29 P
28	ISG17CV028	Lohith. R	13	15	18	16	22	38 P
29	ISG17CV029	Madhusudhan. B	13	16	16	15	17	32 P
30	ISG17CV030	Manoj. D.P	09	18	16	15	03	38 P
31	ISG17CV031	Nayana. M.K	15	18	18	17	19	36 P
32	ISG17CV032	Nikila. R	14	18	15	16	17	33 P
33	ISG17CV033	Nisarga. J.V	16	13	18	16	17	33 P
34	ISG17CV034	Nithin. H	15	12	15	14	25	39 P
35	ISG17CV035	Pooja. B	16	17	17	17	25	39 P
36	ISG17CV036	Prajwal. H.C	09	13	15	13	22	35 P
37	ISG17CV037	Prajwal. R	16	14	16	16	22	38 P
38	ISG17CV038	Prathapa Gowda. H.B	13	17	14	15	26	41 P
39	ISG17CV039	Prathiksha. S	14	Ab	16	15	28	43 P
40	ISG17CV040	Purushothama	13	08	15	12	21	33 P
41	ISG17CV041	Sadana. T	15	15	14	15	24	39 P
42	ISG17CV042	Santosh Mulwad	12	17	16	15	20	35 P
43	ISG17CV043	Shashidhar. A.H	14	15	13	14	21	35 P
44	ISG17CV044	Shreejith. S	12	11	12	12	20	32 P
45	ISG17CV045	Sudha. B.R	13	17	15	15	09	34 P
46	ISG17CV046	Suhail Ahmad Choripaz	13	15	15	15	21	36 P
47	ISG17CV021	Suraj. J	13	08	15	12	19	3 P
48	ISG17CV047	Sushma. N.L	10	18	17	15	20	35 P
49	ISG17CV048	Tarun. N	09	16	13	13	19	32 P
50	ISG17CV049	Tejas. G.V	07	18	09	14	22	34 P
No. of Abs.								
Initials								

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Bangalore-560057

ASSESSMENT

Date: 07/3/17-25/11/17

17/8	3/8	7/9	14/9	21/9	28/9	5/10						Dt.: 12/9	Dt.: 11/10	Dt.: 11/11	Dt.: 25/11
1	2	3	4	5	6	7		55	56	57	58	CH: 03	CH: 05	CH: 12	CH: 12
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ATTENDANCE

Class : I Sem

Sec. : L

Subject with Code : Environmental Studies
17CIV18

Sl. No.	USN	NAME	Test Marks			Final I.A. Marks	University Marks	
			T1	T2	T3			
51	ISG17CV050	Usha. S. P	16	18	14	16	17	31 P
52	ISG17CV051	Vinay Kumar	12	06	17	12	16	28 P
53	ISG17CV052	Vyshak. R	11	19	15	15	21	36 P
54	ISG17CV053	Yashaswi. Y. S	15	16	16	16	23	39 P
55	ISG17CV054	Yashik. A	12	15	13	14	19	33 P
56	ISG17CV055	Zeehan Yousuf.	14	18	16	16	20	36 P
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75								
No. of Abs.								
Initials								

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Bangalore-560 057

ASSESSMENT

Date : 7/8/17 - 25/11/17

[illegible]

Consolidated staff Appraisal (CIV - L Sec)

staff appraisal OCT CV 2017 : 03 Oct 2017 To 07 Oct 2017

Total student(s) : 47

subject : ENVIRONMENTAL STUDIES

Page No : Page 1 of 1

Date : 2-Nov-2017

course : B.E.

Sem : 1

staff : KRUPA T L

cycle : Chemistry

Sl.No.	Questions	Total Rating Points	Out of Max	Percentage(%)
1	Adequacy Of Learning Material Provided.	392	470	83.40
2	Audibility Of Voice In The Class Room.	383	470	81.49
3	Availability Of The Faculty After The Class Hours For Clearing The Doubts And For The Counseling Of Students.	393	470	83.62
4	Effective Usage Of Black Board.	336	470	71.49
5	Encouragement to Students for rising doubts / questions in the class.	379	470	80.64
6	Impartial To All The Students.	418	470	88.94
7	Maintaining Discipline & Control Over the Students.	393	470	83.62
8	Planning Of Lessons, Helping in Understanding the concepts with illustrative examples & effective explanation.	375	470	79.79
9	Regularity & Punctuality In Engaging the Classes.	409	470	87.02
10	Syllabus Coverage & depth of coverage.	392	470	83.40
Total :		3870	4700	82.34


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Bangalore-560057

SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE

odd Sem
2017-18

BRANCH: CV

SEMESTER: 1

Sl NO	USN	17ELN15	17PCD13	17CPL16	17CHE12	17MAT11	17CHE17		17CED14	STUDENT SIGNATURE
1	ISG17CV001	25	23	30	23	20	38	12	33	
2	ISG17CV002	27	31	39	31	21	39	17	30	
3	ISG17CV003	19	21	28	25	19	35	12	26	
4	ISG17CV004	32	31	35	36	33	40	14	39	
5	ISG17CV005	21	31	35	28	20	38	16	31	
6	ISG17CV006	19	20	21	22	13	32	12	27	
7	ISG17CV007	24	28	30	23	21	34	12	33	
8	ISG17CV008	21	20	30	22	20	36	12	31	
9	ISG17CV009	26	30	38	24	25	37	12	33	
10	ISG17CV010	25	28	29	22	22	38	13	33	
11	ISG17CV011	22	21	28	23	19	36	15	36	
12	ISG17CV012	35	31	39	34	32	39	17	37	
13	ISG17CV013	26	31	36	33	29	38	12	40	
14	ISG17CV014	30	38	32	29	29	37	17	38	
15	ISG17CV015	32	31	39	34	26	40	16	40	
16	ISG17CV016	27	31	32	23	21	38	14	38	
17	ISG17CV017	34	38	32	36	37	39	16	39	
18	ISG17CV018	29	31	32	34	25	40	14	38	
19	ISG17CV019	32	29	36	31	20	38	16	31	
20	ISG17CV020	39	39	40	39	39	39	18	40	
21	ISG17CV021	26	36	32	29	20	39	12	25	
22	ISG17CV022	21	27	25	19	21	32	12	28	
23	ISG17CV023	20	21	30	31	20	38	13	36	
24	ISG17CV024	23	28	32	19	23	38	12	31	
25	ISG17CV025	28	31	40	36	26	40	16	38	
26	ISG17CV026	19	20	30	23	20	33	15	22	
27	ISG17CV027	21	23	25	26	19	38	12	32	
28	ISG17CV028	19	22	30	20	21	37	16	26	
29	ISG17CV029	19	24	25	23	19	36	15	26	
30	ISG17CV030	19	21	30	19	19	36	15	27	
31	ISG17CV031	25	33	38	25	30	40	17	38	
32	ISG17CV032	32	37	30	34	34	39	16	31	
33	ISG17CV033	28	28	39	34	23	39	16	33	
34	ISG17CV034	25	30	36	33	27	39	14	34	
35	ISG17CV035	30	39	37	33	19	40	17	30	
36	ISG17CV036	20	27	25	25	22	37	13	31	
37	ISG17CV037	21	36	32	23	20	32	16	27	
38	ISG17CV038	26	27	35	30	21	39	13	36	

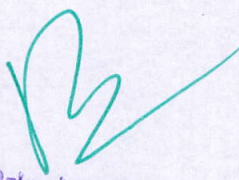
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SI NO.	USN	17ELN15	17CED13	17CPL16	17CHE12	17MAT11	17CHEL17	17CED14	STUDENT SIGNATURE
39	1SG17CV039	31	36	36	36	37	40	15	38
40	1SG17CV040	25	31	32	32	34	39	12	38
41	1SG17CV041	32	33	40	27	29	38	15	40
42	1SG17CV042	30	27	35	30	29	37	15	37
43	1SG17CV043	23	24	31	24	19	38	14	38
44	1SG17CV044	19	24	30	24	12	35	12	22
45	1SG17CV045	24	37	36	24	26	39	15	33
46	1SG17CV046	20	30	28	27	13	30	15	27
47	1SG17CV047	19	29	31	22	22	35	15	30
48	1SG17CV048	21	32	29	26	24	39	13	37
49	1SG17CV049	19	30	32	24	23	37	12	35
50	1SG17CV050	21	32	32	29	23	35	16	32
51	1SG17CV051	19	24	27	24	22	37	12	27
52	1SG17CV052	25	31	35	28	19	39	15	36
53	1SG17CV053	30	37	37	34	25	39	16	38
54	1SG17CV054	21	23	29	25	21	38	14	34
55	1SG17CV055	29	28	27	25	19	38	16	31
--x-- -	Faculty Signature								-----XXXXXXXXX-----

*NA values are either optional subjects or the faculty has not yet entered the marks


HOD
Seal and Signature

PRINCIPAL
Seal and Signature


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Sapthagiri College of Engineering

Department of CIVIL ENGINEERING

SUBJECT : ENVIRONMENTAL STUDIES

SUB CODE: 17CIV18

SEM : I

SEC : L

YEAR : 2017-18

SEM

Sl. No.	Name of the student	USN	INTERNALS				EXTERNAL EXAM	
			Q1 or 2	Q3 or 4	Q1 or 2	Q3 or 4	Q1 or 2	CO1, CO2, CO3, CO4, CO5
			CO1	CO2	CO3	CO4	CO5	
			10	10	10	10	20	50
1	AFTAAB AHAMED M DAMANI	1SG17CV001	5	5	5	5	18	28
2	AKSHAY C J	1SG17CV002	8	7	7	8	17	42
3	ANUSHA S	1SG17CV003	7	6	6	7	16	32
4	ASHWINI S R	1SG17CV004	7	7	7	7	12	37
5	CHAITHRA E	1SG17CV005	7	7	7	7	15	31
6	CHETHAN R JAMANDAR	1SG17CV006	4	5	5	4	20	24
7	CHIRANTH M	1SG17CV007	6	6	6	6	15	30
8	DARSHAN N S	1SG17CV008	6	6	6	6	15	30
9	DARSHAN GOWDA B K	1SG17CV009	7	7	7	7	15	28
10	DEVARAJU M B	1SG17CV010	6	6	6	6	17	29
11	DINAKAR REDDY	1SG17CV011	7	7	7	7	15	34
12	GEETHA B N	1SG17CV012	8	8	8	8	16	42
13	HAMMAD MAROOF IMDADI	1SG17CV013	4	4	4	4	12	34
14	HARSHA R	1SG17CV014	8	8	8	8	18	37
15	HARSHA V	1SG17CV015	6	6	6	6	18	40
16	HARSHITH .R.	1SG17CV016	5	5	5	5	19	38
17	HARSHITHA K GOWDA	1SG17CV017	8	8	8	8	17	43
18	HARSHITHA R	1SG17CV018	6	6	6	6	14	41
19	HARSHITHA R P	1SG17CV019	7	7	7	7	14	35
20	HEMALATHA S S	1SG17CV020	8	8	8	8	19	39
21	J SURAJ	1SG17CV021	3	3	3	3	14	29
22	JAYKI KISHAN SAH	1SG17CV022	6	6	6	6	13	34
23	K S DARSHAN	1SG17CV023	3	3	3	3	17	24
24	KIRAN BANDIWADDAR	1SG17CV024	7	7	7	7	15	38
25	LIKHITHA G K	1SG17CV025	5	5	5	5	12	27
26	LINGARAJ	1SG17CV026	8	8	8	8	16	29
27	LINGESWARA GOWDA M	1SG17CV027	6	6	6	6	18	38

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28	LOHITH R	ISG17CV028	6	6	6	6	16	32
29	MADHUSUDHAN B	ISG17CV029	4	4	4	4	16	38
30	MANOJ D P	ISG17CV030	7	7	7	7	18	36
31	NAYANA M K	ISG17CV031	7	7	7	7	15	36
32	NIKILA R	ISG17CV032	8	8	8	8	18	33
33	NISARGA J V	ISG17CV033	7	7	7	7	15	39
34	NITHIN .H.	ISG17CV034	8	8	8	8	17	39
35	POOJA B	ISG17CV035	4	4	4	4	15	35
36	PRAJWAL II C	ISG17CV036	8	8	8	8	16	38
37	PRAJWAL R	ISG17CV037	6	6	6	6	14	41
38	PRATHAPA GOWDA H B	ISG17CV038	7	7	7	7	10	43
39	PRATHIKSHA S	ISG17CV039	6	6	6	6	15	33
40	PURUSHOTHAMA	ISG17CV040	7	7	7	7	14	39
41	SAHANA T	ISG17CV041	6	6	6	6	16	35
42	SANTAHOSH MULAWAD	ISG17CV042	7	7	7	7	13	35
43	SHASHIDHAR .A.H.	ISG17CV043	6	6	6	6	12	32
44	SHREEJITH S	ISG17CV044	6	6	6	6	15	34
45	SUDHA .B.R.	ISG17CV045	6	6	6	6	15	36
46	SUHAIL AHMAD CHORISAZ	ISG17CV046	6	6	6	6	15	31
47	SUSHMA .N.L.	ISG17CV047	5	5	5	5	17	35
48	TARUN N	ISG17CV048	4	4	4	4	13	32
49	TEJAS G V	ISG17CV049	3	3	3	3	9	34
50	USHA S P	ISG17CV050	8	8	8	8	14	33
51	VINAY KUMAR	ISG17CV051	6	6	6	6	17	28
52	VYSHAK .R.	ISG17CV052	5	6	6	5	15	36
53	YASHASWI Y S	ISG17CV053	7	7	7	7	16	39
54	YASHIK .A.	ISG17CV054	6	6	6	6	13	33
55	ZEESHAN YOUSUF	ISG17CV055	7	7	7	7	16	36

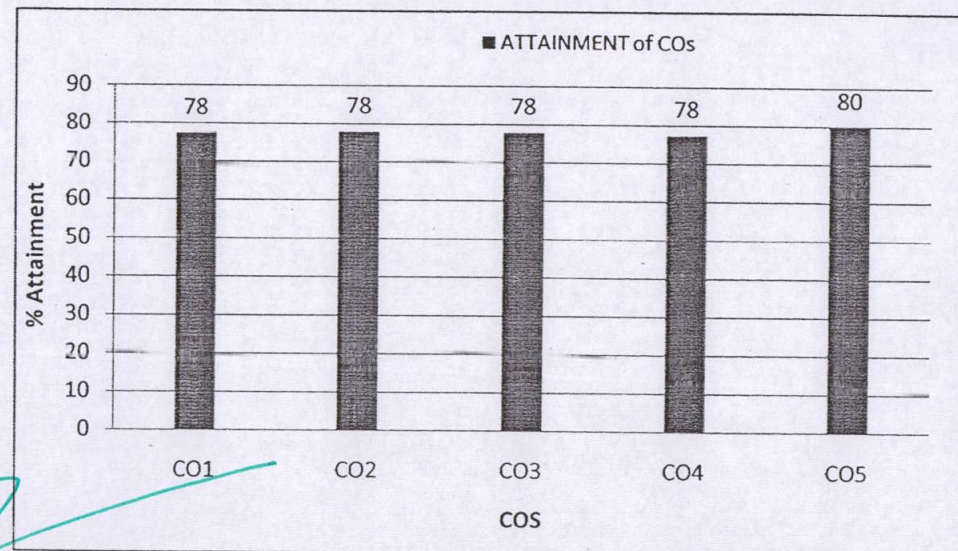
	CO1	CO2	CO3	CO4	CO5	CO1,CO2,CO3,CO4,CO5,
	1	1	1	1	1	#REF!
CO's TOTAL	10	10	10	10	20	#REF!

Equal weightage to TEST, ASSIGNMENT & EXAM MARKS

TARGET: 70% ATTAINMENT

	CO1	CO2	CO3	CO4	CO5
IA MARKS ATTAINMENT	55	56	56	55	60
EXAM ATTAINMENT	100	100	100	100	100
AVARAGE	78	78	78	78	80

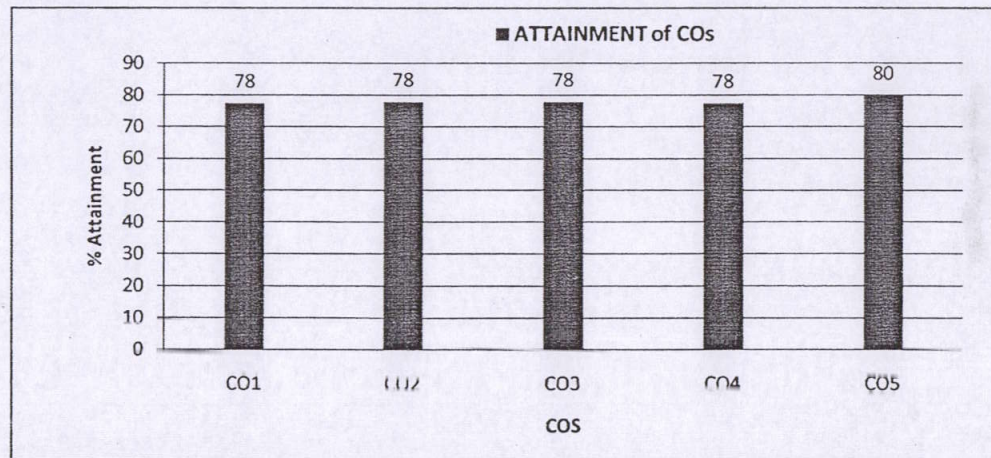
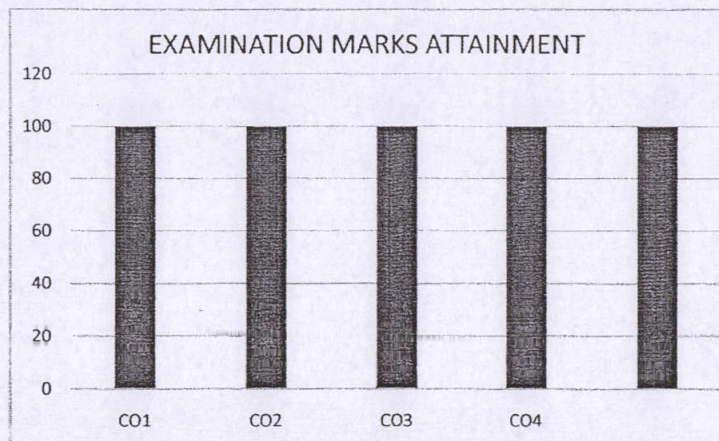
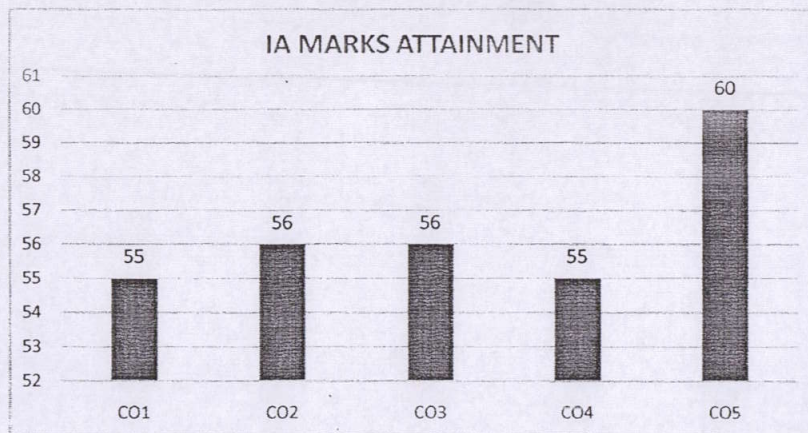
	CO1	CO2	CO3	CO4	CO5
ATTAINMENT of COs	78	78	78	78	80

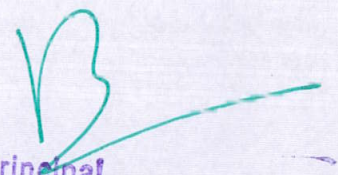


SAMPLE

NEXT ACADEMIC YEAR TARGET C.A.T

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Bangalore- 560 057




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SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU - 57.		
DEPARTMENT OF CIVIL ENGINEERING		
INDIRECT CO ASSESSMENT METHOD AND FINAL CO ATTAINMENT (ODD SEM. 2017-18)		
SEM & SEC: 1ST & L	Subject: Environemtal studies	Subject Code: 17CIV18
NAME OF THE FACULTY :KRUPA T L		

I CO Attainment

A: Direct assessment (80%)-Tests, Assignment, Examination

B: Indirect assessment (20%)-Course end survey

Sample

COs	Mapping POs	Direct Assessment (a)	Indirect Assessment (b)	Overall Attainment 0.8 (a) + 0.2(b)	Target (%)	Attainment
CO1	1,2,6,7,8,9	74	0	59	60	NO
CO2	1,2,6,7,8,9	74	0	59	60	NO
CO3	1,2,6,7,8,9	74	0	59	60	NO
CO4	1,2,6,7,8,9	74	0	59	60	NO
CO5	1,2,6,7,8,9	74	0	59	60	NO

NOTE: NOT TAKEN FEEDBACK


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Mapping of Course outcomes (COs) and Program Outcomes (POs)

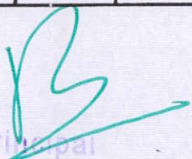
Note: 1 = Slight 2 = Moderate 3 = Good

Course outcomes	Program Outcomes												PSO'S			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO-1	2					3	3	3				3			3	
CO-2	1					3	3	3				3			3	
CO-3	2					3	3	3				3			3	
CO-4	2					3	3	3				3			3	
CO-5	2					3	3	3				3			3	
Total	1.8	0	0	0	0	3	3	3	0	0	0	3	0	0	3	

Mapping of Course outcomes (COs) and Program Outcomes (POs)

Note: 1 = Slight 2 = Moderate 3 = Good

Course outcomes	CO % DIRECT	Program Outcomes												PSO'S			
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO-1	93	56	0	0	0	0	93	93	93	0	0	0	93	0	0	93	0
CO-2	93	56	0	0	0	0	93	93	93	0	0	0	93	0	0	93	0
CO-3	93	56	0	0	0	0	93	93	93	0	0	0	93	0	0	93	0
CO-4	93	56	0	0	0	0	93	93	93	0	0	0	93	0	0	93	0
CO-5	92	55	0	0	0	0	92	92	92	0	0	0	92	0	0	92	0
Total		56	0	0	0	0	93	93	93	0	0	0	93	0	0	93	0


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