**KALANIKETAN POLYTECHNIC COLLEGE,JABALPUR**

**DEPARTMENT OF INFORMATIONTECHNOLOGY**

**WEEKLY LESSON PLAN**

**Name of the Faculty:Miss. Kripa Singh Desiganation: Guest Faculty**

**Branch/Semester:II Semester Information Technology**

**Subject Code and Name:Environmental Engineering and safety(IT-202)**

**Academic Year:2018-19**

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| **S.No.** | **Proposed Dates** | | | **Topics to be covered** | |
| **Date** | **Hours** | |
| **WEEK - I** | | | | | | |
| **1** | **11/02/2019** | | **1** | | **Environment Intro, Biosphere biotic, abiotic, ecosystem.** | |
| **2** | **12/02/2019** | | **1** | | **Impact of human being on environment and vice-versa .roll of environmental engineer.** | |
| **3** | **15/02/2019** | | **1** | | **Air pollution definition, classification of pollution and pollutant.** | |
| **4** | **16/02/2019** | | **1** | | **Natural air composition, aerosols, types of air pollutant** | |
| **WEEK -II** | | | | | | |
| **6** | **18/02/2019** | | **1** | | **Particulate matters like Dust, mist , fog, smog ,fumes.** | |
| **7** | **19/02/2019** | | **1** | | **Toxicity, effects of air pollution on human being.** | |
| **8** | **22/02/2019** | | **1** | | **Acid rain ,global warming ,green house effects, ozone layer depletion. text-** | |
| **9** | **23/02/2019** | | **1** | | **Air quality indexes, and laws.** | |
| **WEEK -III** | | | | | | |
| **11** | **25/02/2019** | | **1** | | **Meteorological parameters influencing air pollution.** | |
| **12** | **26/02/2019** | | **1** | | **Lapse rate, inversion derivation with real time examples** | |
| **13** | **01/03/2019** | | **1** | | **Adibatic lapse rate, turbulence.** | |
| **14** | **02/03/2019** | | **1** | | **Topological effects, atmosphere layers.** | |
| **WEEK -IV** | | | | | | |
| **15** | **05/03/2019** | | **1** | | **Plume behavior looping, conning ,fanning lofting, trapping etc.** | |
| **16** | **08/03/2019** | | **1** | | **Natural and artificial purification methods of air,** | |
| **17** | **09/03/2019** | | **1** | | **Air pollution control equipments-gravitation settling chamber.** | |
| **WEEK -V** | | | | | | |
| **20** | **11/03/2019** | | **1** | | **Bag house filter,electrostatic precipitator.** | |
| **21** | **12/03/2019** | | **1** | | **Controlling gaseous pollutants by absorption, adsorption, condensation.** | |
| **22** | **15/03/2019** | | **1** | | **Solid waste mgmt. intro** | |
| **23** | **16/03/2019** | | **1** | | **Disposal methods, open dumping** | |
| **WEEK -VI** | | | | | | |
| **25** | **18/03/2019** | **1** | | | **Sanitary landfill method, incineration.** | |
| **26** | **19/03/2019** | **1** | | | **Composting, public health aspects.** | |
| **27** | **22/03/2019** | **1** | | | **Potential method of disposal** | |
| **28** | **23/03/2019** | **1** | | | **Recovery, recycling of paper, glass ,metal and plastic.** | |
| **WEEK -VII** | | | | | | |
| **29** | **25/03/2019** | **1** | | | **Noise pollution; intro.** | |
| **30** | **26/03/2019** | **1** | | | **Problems of noise pollution, and control methods** | |
| **31** | **29/03/2019** | **1** | | | **Noise pressure level meter, decibal** | |
| **32** | **30/03/2019** | **1** | | | **Fire hazard, prevention and precaution, protection from air and noise pollution** | |

**KRIPA SINGH**