**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**