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|  | LESSON PLAN | | |  |
| | Sub Code & Name: U15ECE48 & DISASTER MANAGEMENT Unit :I Branch : ECE Semester: VII | | | |

| Session No. | Topics to be covered | Duration in Mins | Teaching Method | Books Ref |
|--------------------|----------------------------------------|-------------------------|------------------------|------------------|
| 1. | Introduction | 45m | PPT | 1,3,5 |
| 2. | Disaster preparedness | 45m | PPT | 1,2,3 |
| 3. | Goals and objectives of ISDR Programme | 45m | PPT | 1,2 |
| 4. | Risk identification | 45m | PPT | 1,2,3 |
| 5. | Risk sharing | 45m | PPT | 1,2,3 |
| 6. | Development plans | 45m | PPT | 1,2,4 |
| 7. | Disaster and development | 45m | PPT | 1,2 |
| 8. | Alternative approach | 45m | PPT | 1,2 |
| 9. | disaster-development linkages | 45m | PPT | 1,2,3 |
| 10. | Dominant approach | 45m | PPT | 1,2,3 |
| 11. | Disaster management plans | 45m | PPT | 1,2,3 |
| 12. | Principle of risk partnership | 45m | PPT | - |

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|  | LESSON PLAN | |  |
| | Sub Code & Name: U15ECE4 & APPLICATION OF TECHNOLOGY IN DISASTER RISKREDUCTION Unit :II Branch : ECE Semester: VII | | |

| Session No. | Topics to be covered | Duration in Mins | Teaching Method | Books Ref |
|-------------|-------------------------------------------------|------------------|-----------------|-----------|
| 1. | Application of various technologies: Data bases | 45m | PPT | 1,3,5 |
| 2. | RDBMS | 45m | PPT | 1,2,3 |
| 3. | Management Information systems | 45m | PPT | 1,2 |
| 4. | Decision support system and other systems | 45m | PPT | 1,2,3 |
| 5. | Geographic information systems | 45m | PPT | 1,2,3 |
| 6. | Intranets and extranets | 45m | PPT | 1,2,4 |
| 7. | Video conferencing. Trigger mechanism | 45m | PPT | 1,2 |
| 8. | Remote sensing-an insight | 45m | PPT | 1,2 |
| 9. | Contribution of remote sensing | 45m | PPT | 1,2,3 |
| 10. | GIS | 45m | PPT | 1,2,3 |
| 11. | Applications | 45m | PPT | 1,2,3 |
| 12. | Case study. | 45m | PPT | - |



LESSON PLAN

Sub Code & Name: U15ECE48 & AWARENESS OF RISK

REDUCTION



Unit : III

Branch : ECE



Semester: VII



| Session No. | Topics to be covered | Duration in Mins | Teaching Method | Books Ref |
|-------------|------------------------------------|------------------|-----------------|-----------|
| 1. | Trigger mechanism | 45m | PPT | 1,3,5 |
| 2. | Constitution of trigger mechanism | 45m | PPT | 1,2,3 |
| 3. | Risk reduction | 45m | PPT | 1,2 |
| 4. | Risk reduction | 45m | PPT | 1,2,3 |
| 5. | Reduction by education | 45m | PPT | 1,2,3 |
| 6. | Reduction by education | 45m | PPT | 1,2,4 |
| 7. | Disaster information network | 45m | PPT | 1,2 |
| 8. | Risk reduction by public awareness | 45m | PPT | 1,2 |
| 9. | Public awareness | 45m | PPT | 1,2,3 |
| 10. | Case study | 45m | PPT | 1,2,3 |

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|  | LESSON PLAN | |  |
| | Sub Code & Name: U15ECE48 & DEVELOPMENT PLANNING ON DISASTER Unit : IV Branch : ECE Semester: V11 | | |

| Session No. | Topics to be covered | Duration in Mins | Teaching Method | Books Ref |
|-------------|-------------------------------------|------------------|-----------------|-----------|
| 1. | Implication of development planning | 45m | PPT | 1,3,5 |
| 2. | Financial arrangements | 45m | PPT | 1,2,3 |
| 3. | Areas of improvement | 45m | PPT | 1,2 |
| 4. | Areas of improvement | 45m | PPT | 1,2,3 |
| 5. | Awareness of risk reduction | 45m | PPT | 1,2,3 |
| 6. | Awareness of risk reduction | 45m | PPT | 1,2,4 |
| 7. | Disaster preparedness | 45m | PPT | 1,2 |
| 8. | Disaster preparedness | 45m | PPT | 1,2 |
| 9. | Community based disaster management | 45m | PPT | 1,2,3 |
| 10. | Community based disaster management | 45m | PPT | 1,2,3 |
| 11. | Emergency response | 45m | PPT | 1,2,3 |
| 12. | Emergency response | 45m | PPT | - |

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|  | LESSON PLAN | |  |
| | Sub Code & Name: U15ECE48 & SEISMICITY Unit : V Branch : ECE Semester: V11 | | |

| Session No. | Topics to be covered | Duration in Mins | Teaching Method | Books Ref |
|--------------------|-----------------------------|-------------------------|------------------------|------------------|
| 1. | Seismic waves | 45m | PPT | 1,3,5 |
| 2. | Earthquakes & faults | 45m | PPT | 1,2,3 |
| 3. | Earthquakes & faults | 45m | PPT | 1,2 |
| 4. | Measures Of An Earthquake, | 45m | PPT | 1,2,3 |
| 5. | Measures Of An Earthquake, | 45m | PPT | 1,2,3 |
| 6. | Magnitude And Intensity | 45m | PPT | 1,2,4 |
| 7. | Magnitude And Intensity | 45m | PPT | 1,2 |
| 8. | Ground Damage | 45m | PPT | 1,2 |
| 9. | Tsunamis | 45m | PPT | 1,2,3 |
| 10. | Earthquakes. | 45m | PPT | 1,2,3 |
| 11. | Applications | 45m | PPT | 1,2,3 |
| 12. | Revision | 45m | PPT | - |

TEXTBOOK:

1. Pardeep Sahni, Madhavi malalgoda and ariyabandu, "Disaster risk reduction in south asia", PHI
2. Amita sinvhal, "Understanding earthquake disasters" TMH, 2010

FURTHER READINGS:

3. Pardeep sahani, Alka Dhameja and Uma medury, "Disaster mitigation: Experiences and reflections", PHI

| | Prepared by | Approved by |
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| Date | 15/06/2017 | 15/06/2017 |