

Week 2: (Total video duration= 2 hours. You will be required to spend 40 minutes/day along with practicing datasets and Quiz.)

Learning Outcomes from the Module:

After learning from this module, learners will be able to understand:

- ▶ Ensemble methods with example
- ▶ Random Forest algorithm
- ▶ Bagging and Boosting with Hand-on example
- ▶ Oversampling and Under-Sampling Techniques
- ▶ SMOTE technique with Hands-on example, SMOTE Technique



Mentor Session Duration:

2 hours

Faculty Name:

Mr. Kumar Muthuraman

No. of videos:

09

Video No.	Video Name	Duration of the video(min)	Conceptual or Hands On
1	Ensemble Techniques	15:38	Conceptual
2	Random Forests	20:34	Conceptual
3	Bagging	05:19	Conceptual
4	Boosting	4:58	Conceptual
5	Boosting - A Visual Example	5:21	Hands-On
6	Hands - on - Ensemble Techniques	32:12	Hands-On
7	Oversampling and Under-sampling	16:20	Conceptual

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Video No.	Video Name	Duration of the video(min)	Conceptual or Hands On
8	Cross-validation	8:28	Conceptual
9	Hands-on exercise in SMOTE using Python	7:44	Hands-On