**Interventional cardiology & cardiac Electrophysiology BVOCCT-501**

UNIT I

Angioplasty: Percutaneous Coronary Angioplasty, Maintaining Perfusion with Angioplasty, Cutting Balloon angioplasty catheter, Stents-various types

UNIT II

Valvuloplasty- Mitral, Pulmonary, Aortic- Principles and Indications, Techniques, Hardware requirement, Procedural Complications.

UNIT III

Device Closures-Atrial Septal defects, Patent ductus arteriosus, Ventricular Septaldefect , ruptured sinus of Valsalva and other shunt lesions. Principles and Indications, Techniques, Hardware requirement, Procedural Complications

UNIT IV

Endovascular interventions- Peripheralangioplasty (Lowerlimb, renal, subclavian, mesenteric and carotid stenting), Embolization treatment-Coils, particles and gel foam. Principles and Indications, Techniques, Hardware requirement, Procedural Complications

lectrophysiology-Basics, Intra cardiac electro grams, identifying atrial and ventricular potentials, His bundleel ectrocardiograms.

UNIT V

Indications and Techniques of Singleand Dual Chamber Pacemakers. Complications.

IntracardiacDefibrillators(ICD)-IndicationsandProcedureandcomplications CardiacResynchronizationTherapy–Indication,Procedureandcomplications

Radiofrequency ablation- Principles and Techniques of Catheter ablation of Supraventricular and Ventricular arrhythmias