



**Figure 2: Pre-treatment digital casts evaluation.** Pre-treatment digital casts showed a Class I molar and Class III canine relation. The maxillary dental arch width was constricted with an inter-canine and inter-molar width of 35.3 mm, 47 mm, respectively. The mandibular dental arch width was broad with the inter-canine and inter-molar width of 37 mm, 42.4 mm, respectively. The maxillary dental arch showed a severe Curve of Spee and the mandibular arch showed a reverse Curve of Spee with two distinct occlusal planes. Spacing was observed in both arches (upper = -6 mm; lower = -10 mm) and a maxillary anterior excess Bolton discrepancy of 3.1 mm. The overjet and overbite were -3.7 mm and -10.9 mm, respectively.