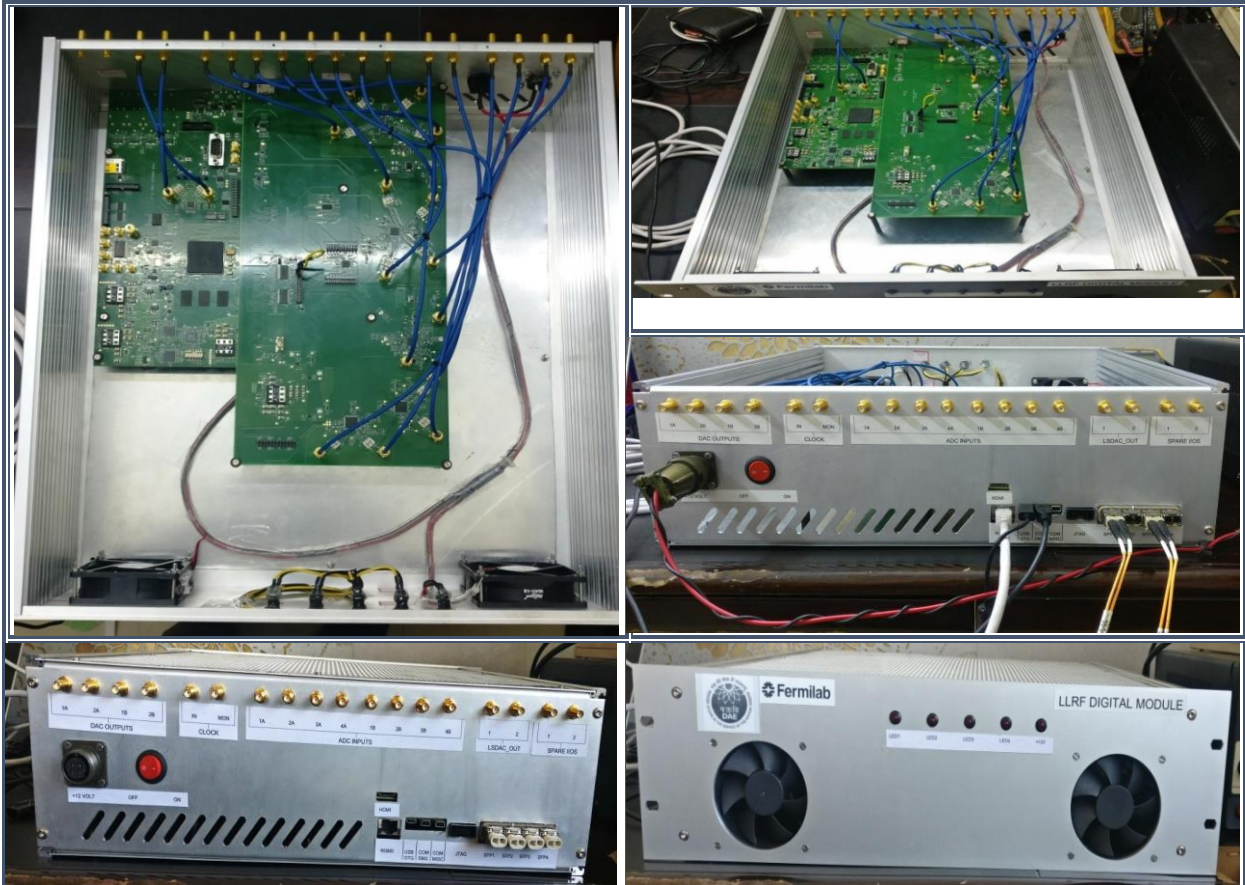




Table 3 – MULTICHANNEL HIGH SPEED DIGITAL SYSTEM



This multichannel high speed digital system developed which consists of ANSI VITA F MC interconnect based SOC Base Board and ADC-DAC Card.

ADC-DAC Card digitizes 8 analog input signals from 8 Channel Frequency Down Converter Module using high channel to channel isolation type very high speed ADCs and transfers the data to SOC based Base board for further communication and parameter processing. ADC-DAC Card also converts digital data received from SOC Base board to 4 analog signals using very high speed DAC going to 4 Channel Frequency Up Converter Module.

Applications:- Low Level RF Detection i Accelerator Control Application or FERMILABS US .