

My Name Is Navdeep Garg , I have joined ISRO on 24th May 2016 and working in MISD division under PPEG. Here I got the opportunity to develop and enhance the management information system of URSC. In my current role I am responsible to implement emerging requirement for office automation by using/practicing latest technologies and also to provide up-to-date and accurate data to management for decision making process.

So, I would like to give brief about my major contributions in the given tenure and which are :

Development of IPWS module, that is an interface module to link ISRO/DOS Accounting system i.e. COINS with PFMS. PFMS is Public Finance Management system that was introduced in 2014 by Ministry of Finance to keep the accounting information of varied government entities across the country. IPWS is a WebService consumption model to access the services offered at PFMS. Here I was responsible for the SDLC of IPWS module and configuration of corresponding server based on the recommendation of CSMD team.

Next I was involved in the testing of COINS-PFMS Interface module that comprises of new module in COINS related to PFMS and IPWS. Here we have tested the functionality of new modules which are required to make it compatible and consistent with PFMS.

Next I was involved in the development of Official Travelling Allowance system that caters the requirement of processing all Travelling Allowance claims either domestic or International through online mode. This system has made a leap in encouraging paperless office by automating the process of Travelling Allowance both for employee as well as for administrations and accounts personnel's. This system has developed as an enhancement to SANDESH software to introduce e-governance in office.

further one new module has introduced for digitation of Travel agent payments like Balmer Lawrie. So far the records of Balmer Lawrie's transactions had been maintained and processed by Accounts officials through offline mode which had completely transformed to online mode. Through this module, Account official now able to add/update/delete every bill details and take the online approval from Account officer to pass the bill for payment. As an enhancement to this module an Incentive management module also developed which can adjust the fare incurred by the govt with the incentive received to travel agent for air booking.

Next, we have developed a module to enable G2B model of e-governance where we have automated the process of sending payment acknowledgment to registered vendors at URSC. This module has automated all major back-office processes and in-effect saves time and paper.

Next, we have developed a prototype model of integrated MIS system which can interact with the distributed databases across all ISRO centers and provide the integrated result at a common place. This prototype is developed using SPIRN BOOT and Hibernate technology that provides many developmental benefits.

Next as a DMR of my division, I hold the responsibility of ensuring ISO operational activities which have been guided by ISO team at URSC.