**Feedback Report (January – June 2015)**

Note: Kindly mention dates also at which you performed particular task in order to estimate your performance in each month.

What new projects you Identified to increase the utilization of the research lab?

|  |
| --- |
|  |

Description of selected projects.

|  |
| --- |
|  |

Did you write research proposal if yes? Give Details.

|  |
| --- |
| * 2 proposals has been submitted(QUEST,JAPAN funding agency) * One proposal is under progress for ICT R&D |

Did you submit proposal to prominent funding agencies if yes? Give Details.

|  |
| --- |
| * QUEST * JAPAN GOVT Funding agency * PSF * ICT R&D |

Details of your Software / Hardware prototype with proposing changes and enhancements.

|  |
| --- |
| * Agricultural kit design in modular manner * Custom Library development of smart agriculture kit * Dynamic power control of sensors * More user friendly API development * Agricultural kit size minimization * Smart irrigation dash board development on cloud * Remote programming of wireless nodes |

Did you write research paper on this project if yes? Give Details.

|  |
| --- |
| * Paper has been published on “Design of on-cloud laboratory platform to bring internet of things in Labourtries ” * Paper on “Smart irrigation for agricultural areas of Pakistan ” is in progress. |

Did you get any feedback from the funding agencies if yes? Give Details.

|  |
| --- |
|  |

Give an analysis on overall progress of project.

|  |
| --- |
| Overall progress is fine, all the targets are achieved successfully. Communication using LAN module ENC2J60, GSM/GPRS (SIM900), Data storage on SD Card, agricultural kit development, libraries development, and dynamic power ON/OFF, remote programming has been completed. |

Did you meet your goal explain in detail?

|  |
| --- |
|  |

What are the shortcomings explain in detail Why not performed?

|  |
| --- |
|  |

What is your plan for the next six months?

|  |
| --- |
| * Publishing of smart irrigation research paper * User friendly (natural language based)API development * Web hosting and Integration of weather data using RSS feeds in web application * Solar panel interfacing for battery charging * Valves /shower controlling and supplying of only needed water * Agriculture kit size minimization * Sensor data storage on cloud and exploring dash board development * Wireless sensing network management with remote commands and configuration settings of node. * Wi-Fi 802.11b MAC layer development and simulation |

**Performance Estimation**

Note: If you achieved any target so kindly give its brief description and mention its date also and if unable to achieve any target so leave it blank.

|  |  |  |
| --- | --- | --- |
|  | **Targets** | **Outcomes** |
| 1 | Presentations / Project Demos | Agricultural kit,libraries,communication on LAN module,GSM/GPRS,history log storage in SD Card,dynamic power control, |
| 2 | Funding Proposal Submitted | 2 proposal submitted  1 is in under progress for ICT R&D |
| 3 | Funded Proposals |  |
| 4 | Training Workshops | Embedded system design |
| 5 | Funds generated by RAs/RSs |  |
| 6 | Publications | 1 |