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| **Work Title:** Big Data Server Project | | | | | | | | | | | | | | |
| **Prepared By: Colin Beagrie** | | | | | | | | | **Date: 04/02/2014** | | | | | |
| **RMS #:** | |  | **Requestor: I.Allison/S.Craw/J.McCall** |  | | | **Priority: High** | | |  | | | | |
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| **Business Overview of the Idea/Problem/Opportunity:**  The School of Computing Science and Digital Media and the IDEAS research institute intends to establish itself as a leading academic institution in Big Data Analytics for the Oil and Gas industry, and to form a Global Centre of Excellence in this field as agreed at SPARG.  In order to achieve this, we would like to acquire a Big Data Server. With this server, we will:   * Enhance RGU’s global reputation in line with its current strategic aims for excellence in oil and gas, the opportunities identified in the research Foresighting exercise, and the known demands of industry. * Strengthen international awareness of the University’s expertise, by building on its existing capabilities. * Grow RGU’s international presence in this field and enhance our credibility in this industrially-relevant field. * Provide opportunities for strategic partnership(s) and to attract significant research, knowledge exchange, commercial and teaching income. | | | | | | | | | | | | | | |
| **Purpose Statement (Goals):**  The objectives of the Centre of Excellence in Big Data Analytics are to:   * Develop leading-edge intelligent analytics technologies applied to big data generated by subsea installations to support high-value decision-making in offshore E&P . * Develop new intelligent information systems technologies to extract knowledge captured in big data to enable knowledge retention and maximise skills utilisation. * Grow close working relationships with leading operators and contractors to develop decision support and data analysis tools through research and development projects. * Train a generation of skilled data scientists to address the skills shortage and future opportunities in the industry. | | | | | | | | | | | | | | |
| **In Scope (Objectives/Deliverables):** | | | | | | | | | | | | | | |
| **Out of Scope:** | | | | | | | | | | | | | | |
| **High Level Business Requirements** | | | | | | | | | | | | | | |
| **Methods/Approach:** | | | | | | | | | | | | | | |
| **Success Criteria:** | | | | | | | | | | | | | | |
| **Risks and Dependencies:** | | | | | | | | | | | | | | |
| **Issues and Policy Implications:** | | | | | | | | | | | | | | |
| **Assumptions:** | | | | | | | | | | | | | | |
| **Required Consultations:** | | | | | | | | | | | | | | |
| **Work Resources (people, equipment, assets):** | | | | | | | | | | | | | | |
| Work Budget | | | | | | | | | | | | | | |
| **One-Time Costs:** | | | | | | | | | | | | | | |
| **#** | **Line Item** | | | | | | | | | | **Estimated Cost** | | | |
| 1 |  | | | | | | | | | |  | | | |
| 2 |  | | | | | | | | | |  | | | |
|  | **Subtotal:** | | | | | | | | | |  | | | |
| **Ongoing Costs:** | | | | | | | | | | | | | | |
| 1 |  | | | | | | | | | |  | | | |
| 2 |  | | | | | | | | | |  | | | |
|  | **Subtotal:** | | | | | | | | | |  | | | |
|  | **Total Work Estimate for Year One:** | | | | | | | | | |  | | | |
| **Work Timeline:**  Use this section to define the work schedule. | | | | | | | | | | | | | | |
| # | Activity | | | | | | | Start | | | | End | |
| 1 |  | | | | | | |  | | | |  | |
| 2 |  | | | | | | |  | | | |  | |
| 3 |  | | | | | | |  | | | |  | |
| 4 |  | | | | | | |  | | | |  | |
| 5 |  | | | | | | |  | | | |  | |
| 6 |  | | | | | | |  | | | |  | |
| Work Duration (est): | | | | | | Work Budget (est): | | | | | | | | |
| **To Be Completed by Appropriate Manager -** Proposals will be reviewed by the sponsor and ITS to be approved or escalated to appropriate approval authority | | | | | | | | | | | | | | |
| If known, enter the work sponsor’s name.  **Work Sponsor:** | | | | | If known, enter the Work Manager’s name.  **Work Manager:** | | | | | | | |  | |