

## Decentralization of SCRUM methodology (D-SCRUM) – Agile Project Development

Pavan Gorakavi , **M.S, G.M.C.P, M.B.A, C.A.P.M**  
Sr. Software Developer at Idearc Media,  
Dallas, TX

SCRUM methodology is an interesting incremental iterative software development methodology to develop new product development in agile environment. Unlike waterfall methodology, SCRUM helps to reduce the latency involved in software development life cycle. Because of flexibility involved in its operation, SCRUM raised huge applause from wide range of industry segments. This paper presents a new methodology named

**D-SCRUM**, a better bet over SCRUM methodology, which reduces centralization, increases resource efficiency and provide a way to calculate project velocity.

D-SCRUM basically divides the entire team resource into Business designer, D-Master, Functional Scrum Master, and Functional team member. Business designer track hold of business development, D-Master measures the project velocity of various Functional teams which are headed by functional scrum masters. Functional Scrum master heads a functional team which includes developers, business designers and testers.

D-SCRUM uses burn down chart at functional team level to track project velocity of the functional scrum, and Super Burn down chart to track overall project velocity.

Day-to-day status meetings are conducted with in functional team by functional scrum master to observe project velocity, and with functional scrum masters conducted by D-Master. Scientific methods are implemented as part of D-SCRUM to measure project velocity, resource efficiency and team dependencies.

**Pavan Kumar Gorakavi**  
Sr. Software Developer, Idearc Media, Dallas, TX

---

### SUMMARY

- Extensive 6+ years of experience in professional Software design, development, testing, implementation and Managing in the areas of Web and Multi-Tier applications.
- Project Management Institute [PMI®] Certified Associate Project Manager.
- IBM®, SUN®, Expert Rating®, and Brain Bench® Certified Software Developer.

---

### EDUCATION

- **MS** - Computer Science, Lamar University, Beaumont, TX. - 2004
- **Graduate Marketing Program**, Southern Methodist University [*COX Business School*], Dallas, TX -2006
- **M.B.A**, University of Texas, Dallas, TX. - 2009
- **BS**- Computer Science, Jawaharlal Nehru Technological University [JNTU], Hyderabad, India. - 2002

---

### Certifications

- **PMI** Certified Associate Project Manager.
- **IBM** Web Sphere Certified Associate
- **Sun** certified Java programmer
- **Brain Bench** Certified J2EE developer

- **Brain Bench** Java Certified Programmer
  - **Expert Rating** C++ certified programmer
- 

#### **Publication**

- ‘Artificial Intelligence’ –2002, Rahul Publications, Hyderabad, India.
- ‘Digital Electronics’ – 2002, Subhash Publications, Bangalore, India.

#### **Organizational Activities**

- Advisory Board Member, Computech Systems Inc, Richmond, VA
  - Advisory Board Member, EBASE Technology, Fremont, CA.
- 

#### **Founder**

- Co-founder of SIRI solutions LLC

SIRI Solutions LLC [[www.sirisolution.com](http://www.sirisolution.com)] , provides VOIP services [[www.dialmymom.com](http://www.dialmymom.com)] to people of America and India. SIRI Solutions LLC also supports IT consulting.