🕐 **30 minutes**

Managing Software Development Waste during Global Lock-Down!

MOTIVATION: To Understand the sources of Software Development Waste during a Forced Work-From-Home situation due to Global Lockdown.

SOFTWARE DEVELOPMENT WASTE: As per literature - any Software development task which is not productive or doesn't contribute successfully towards Software Product Development.

TARGET AUDIENCE: All Software Stakeholders from Industry who participate in software development activity and are currently WORKING FROM HOME due to the COVID-19 Pandemic.

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SURVEY HOST: Software Engineering Research Center, IIIT Hyderabad, India

* Required

About yourself!

Please go through this section and provide your current role/contribution levels to Software Product Development at your Organization

1. I belong to this Working Group! *

○ Product Management (Design, Planning, Pre-Sales)

○ Software Development (Features, Customizations, Enhancements)

○ DevOps (Release, Code Maintenance, Tools)

○ Support (Technical, Product, Customer)

○ Maintenance (Cloud Ops, Deployment)

○ Software Quality (Assurance, Control, Testing, Security, Usability)

○ Other

2. Your Work Experience in your Working Group! *

○ 0-3 yrs

○ 4-7 yrs

○ 8-10 yrs

○ 10+ yrs

3. Your role in your Organization *

    ◯   Entry level Professional

    ◯   Senior Resource

    ◯   Lead/Manager

    ◯   Mid-Level Management

    ◯   Executive Level Management

    ◯   CXO Group

4. Please share your observations in regards to your Day-to-Day tasks at your Organization *

	Strongly Agree	Agree	Neutral	Disagre
My tasks are laborious due its complexity	◯	◯	◯	◯
My tasks keep changing	◯	◯	◯	◯
My tasks are set in Secured Setup	◯	◯	◯	◯
My tasks are unclear and need supervision	◯	◯	◯	◯
My tasks are collaborative	◯	◯	◯	◯
My tasks are chained in execution	◯	◯	◯	◯

About your Software Development Waste!

Software Development Waste is any activity that does not yield value to the customer or user. Please go through this section and share your experiences in identifying and managing your software development waste.

5. Did you experience any of the below Software Development Wastes during your current Work-From-Home situation compared to your traditional office situation prior to the pandemic? *

	Rare	Sometimes	Frequently
Building the wrong feature by mistake	◯	◯	◯
Mismanaging backlog due to lack of clarity	◯	◯	◯
Rework or repeat same task	◯	◯	◯
Underestimating the feature complexity	◯	◯	◯
Extraneous cognitive load (distractions, auxiliary thoughts)	◯	◯	◯
Team Distress (Physiological Distress among Team Members due to work)	◯	◯	◯
Idle Time/ Waiting with no actionable work	◯	◯	◯
Team Churn / Knowledge Loss	◯	◯	◯
Ineffective Communication among cross-functional teams	◯	◯	◯
Meetings/Stand-ups are under-productive	◯	◯	◯

6. Does the below Software Development Waste generation increased post lockdown (in WFH Mode)? *

	Significantly	Barely
Building the Wrong Feature by mistake	◯	◯
Mismanaging Backlog due to lack of clarity	◯	◯
Rework or Repeat Same task	◯	◯
Underestimating the Feature Complexity	◯	◯
Team Distress (Physiological Distress among Team Members due to work)	◯	◯
Idle Time/ Waiting with no actionable work	◯	◯
Team Churn / Knowledge Loss	◯	◯
Ineffective Communication among cross-functional teams	◯	◯
Meetings/Stand-ups are under-productive	◯	◯

Understanding Waste Management

In this section we will try to understand the impact of the waste generated on the SDLC or Product Life Cycle from your perspective.

7. In what ways the software development waste affecting your project progress? *

	Strongly Agree	Agree	Neutral
Cause Delays	◯	◯	◯
Increases Tech Debt	◯	◯	◯
Adds Backlogs	◯	◯	◯
Affects Delivery Timeline	◯	◯	◯
Affects Project Cost	◯	◯	◯
Miscommunication among teams	◯	◯	◯
Brings down the confidence of employees	◯	◯	◯

8. Have you observed a change in a Software Development waste generation when your company/workplace migrated from a traditional work environment to a forced work-from-home mode? *

◯ Yes, there is a difference

◯ No. I don't see any difference

◯ Can't Say as I am already working Remote

◯ Not Sure. Unable to determine the impact

9. Does your Organization has a way to track and monitor your Software Development Waste? *

◯ Yes

◯ No

◯ Not Sure

10. If you are an existing remote working employee, Do you manage your Software Development waste? *

◯ Yes

◯ No

◯ Other

11. How do you avoid it for better productivity?

Help Us

If you think we are going in the correct direction and the problem we are tackling is valid and you can contribute more to it please drop your email ID below.

12. If you are interested for a 1-1 Focused Interview about your experiences on Forced Work-From-Home, please share your email id so that we can reach you accordingly

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