From b7ca635017cc6810a2456df0097e8a9c4d3c7b10 Mon Sep 17 00:00:00 2001
From: Arnav Kapoor <kapoorarnav43@gmail.com>
Date: Fri, 16 May 2025 16:04:49 +0530
Subject: [PATCH] kernel: Add module to trigger panic for testing

Signed-off-by: Arnav Kapoor <kapoorarnav43@gmail.com>
---
 panic_test/panic_module.c | 23 +++++++++++++++++++++++
 1 file changed, 23 insertions(+)
 create mode 100644 panic_test/panic_module.c

diff --git a/panic_test/panic_module.c b/panic_test/panic_module.c
new file mode 100644
index 000000000000..bd294a37befb
--- /dev/null
+++ b/panic_test/panic_module.c
@@ -0,0 +1,23 @@
+#include <linux/module.h>
+#include <linux/kernel.h>
+#include <linux/init.h>
+
+MODULE_LICENSE("GPL");
+MODULE_AUTHOR("Arnav Kapoor");
+MODULE_DESCRIPTION("A module to panic the kernel for testing purposes");

+MODULE_VERSION("0.1");
+
+static int __init panic_init(void)
+{
+   pr_emerg("Triggering kernel panic for testing...\n");
+   panic("Kernel panic triggered by test module!\n");
+   return 0;
+}
+
+static void __exit panic_exit(void)
+{
+   pr_info("Panic module unloaded (shouldn't get here).\n");
+}
+
+module_init(panic_init);
+module_exit(panic_exit);
--
2.43.0