GUJARAT TECHNOLOGICAL UNIVERSITY
(Established under Gujarat Act No. 20 of 2007)
ગુજરાતટેકનોલોજિકલ યુનિવર્સિટી
(ગુજરાત અધિનિયમ ક્રમાંકઃ ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

STUDENT'S WEEKLY RECORD OF INTERNSHIP

NAME OF STUDENT: Gupta Nishakumari ShreeSunil

DIARY OF THE WEEK: Dt: 04/04/2022 **TO** 10/04/2022

DEPARTMENT: Electronics and Communication **SEM:** 8

NAME OF THE ORGANISATION: EINFOCHIPS (AN ARROW COMPANY)

NAME OF THE PLANT/SECTION/DEPARTMENT: PES (EMBEDDED / AEROSPACE)

NAME OF OFFICER INCHARGE OF THE PLANT/SECTION/DEPARTMENT: PRERAK PATEL

DESCRIPTION OF THE WORK DONE IN BRIEF

On first day, in Linux internals IPC I learnt about signal, types of signals- job control signal, application control signal, I/O signals and process on delivering signal. And in MCU learnt about communication protocol, I2C.

On second day, in Linux internals tools I had learnt static code analyzer, splint and clang tools.
And in MCU Introduction to ARM Using CubeMX to configure the Pin Mux & peripherals against schematic, Using CubeMX & Keil IDE to compile, load & debug the program.

On third day, in Linux internals I had learnt Linux bootup sequence and GCOV tool and started learning network fundamentals.
And in MCU Test a simple program to blink the LED.

On fourth day, in network fundamentals I learnt about application layer, presentation layer, session layer, transportation layer, network layer, data link layer, physical layer and socket concept – socket system call and bind system call.
And in MCU introduction to RTOS, Need for RTOS, Bare Metal Vs RTOS, Configure FreeRTOS for STM32.

On fifth day, in network fundamentals I learnt about big endian & little endian and difference between TCP & UDP.
In MCU Understand the FreeRTOS directory structure, create a simple task & execute on the FreeRTOS.

TOTAL HOURS: 40 _ _ _ _ _ _ _ _ _ _

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SIGNATURE OF STUDENT

✪ **The above entries are correct and the grading of work done by Trainee is**
EXCELLENT / VERY GOOD / GOOD / FAIR / BELOW AVERAGE / POOR

Signature of Faculty Mentor

Signature of officer-in-charge
of Dept. / Section / Plant

Date:

Date:

⭐ **Grading of Work, for trainee may be given depending upon your judgement about**
his Punctuality, Regularity, Sincerity, Interest taken, Work done etc.

SUPPLEMENTRY NOTES
(add additional sheets if required)