



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established under Gujarat Act No. 20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત અધિનિયમ ક્રમાંક: ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Annexure 1

Enrollment no:

180140111026

STUDENT'S WEEKLY RECORD OF INTERNSHIP

NAME OF STUDENT: Gupta Nishakumari ShreeSunil

DIARY OF THE WEEK: Dt: 14/03/2022 TO 20/03/2022

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 the first day, In Linux internals I had learnt about semaphore lock : Sem_init, Sem_wait, sem_post. And spinlock_spin_init, spin_lock, spin_unlock. deadlock situation, mutex lock. And in C++ learnt about exception handling, exception thrown outside try block.

On second day, in Linux internals I had learnt about pthread_once, thread scheduling attributes, linux thread scheduling ,priority, complete fear scheduling, nice value, context switching. And in C++ I had learnt about exception handling in inheritance, exception handling in constructor and input output file handling.

On third day, in Linux internals I had learnt about process context, kernel context, interrupt context, Linux memory management unit- memset, memchar, memcpy. Memory manipulation calls – memmove, alloca. Swap process, memory locking, sbreak, memory anonymous mapping. And in C++ read & write object, file pointer, function for file pointer manipulation.

On forth day, in Linux internals I learnt about page table entry, virtual address= page no. + offset, library file- static library. And in C++ templates and respective examples of templates.

On fifth day, in Linux internals I learnt read mode and protected mode, dynamic library, gdb debugger- list, break point, run, next, step, back trace.
And in C++ template function overloading, function templates and static variable, class templates and static variables, function template specialization, class template specialization.



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TOTAL HOURS: 40

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.



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SUPPLEMENTRY NOTES
(add additional sheets if required)

