

เอกสารอ้างอิง

- " การบัญชีบริหาร, ท่านจะใช้ระบบข้อมูลและเทคนิคเชิงปริมาณในการวางแผนและ
การตัดสินใจเพื่อสัมฤทธิ์ผลสูงสุดได้อย่างไร," วารสารสมาคมนักบัญชี
และผู้สอบบัญชีรับอนุญาตแห่งประเทศไทย, ฉบับที่ 3 (สิงหาคม 2523).
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เทคนิคเชิงปริมาณในการวางแผนและตัดสินใจเพื่อสัมฤทธิ์ผลสูงสุดได้
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ของอุตสาหกรรมสิ่งทอ" วิทยานิพนธ์มหาบัณฑิต แผนกวิชาวิศวกรรม-
คอมพิวเตอร์ บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2523

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ภาคผนวก

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

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จุฬาลงกรณ์มหาวิทยาลัย

1. EXECUTIVE SUMMARY

1.1 The Computer System

The NEC 50 II System is proposed. To mention a few high-lights of this system

- Interactive processing
- Multi-programming capability
- Thai character display and printing with standard English characters
- High level language as COBOL
- Many Utility program to assist users for data file management, report writer, file securities and protection, etc.

1.2 The Investment

a) Hardware Price

- | | | |
|-----------------------|---|-----------|
| - Selling Price | ฿ | 311,600.- |
| - Import Duty | ฿ | 68,400.- |
| - Monthly Maintenance | ฿ | 1,900.- |

b) System Software

- | | |
|-------------------------|-----------|
| - ITOS Operating System | No charge |
| - COBOL Compiler | " |
| - Utilities | " |

1.3 The Implementation Schedule

Machine delivery 6 months from the date of order.

2. THE PROPOSED COMPUTER APPLICATIONS

The proposed applications are as following:-

- General Accounting
- Inventory Control
- Billing

2.1 The General Ledger

- (i) The system can handle daily Journal Voucher (J/V) Posting. Account posting can be done without pre-coding, e.g., using the account narration directly. Narration written in both Thai and English languages can be used. For example:-

"จ่ายเงินเดือนกรกฎ Sept. 79"

This narration is entered through a working station with visual display on a Cathod Ray Tube (CRT) screen. The computer will automatically search for the corresponding account number and posts the debit amount of salary into this account. At the same instant, the machine allows the terminal operator to enter the credit amounts to the corresponding accounts such as credit to the "income tax withhold" account and credit to the "Cash & In Bank" account, etc. The machine will perform the comparison between the CR and DR amount of the same J/V to make sure that they are the same.

- (ii) The system can print a daily J/V Register while post all transaction in the general ledgers.

- (iii) All posted transactions can be easily verified and corrected. Adjustment can be made on an interactive basis. Once the transactions are correct, a trial balance report may be printed for reference.
- (iv) Monthly closing of account is possible with Profit & Loss report and Balance Sheet with year-to-date figures, comparison against budget with variances.

2.2 Inventory

- (i) The inventory transactions which includes issues, receipts, adjustment, and orders, can be entered into the computer in a daily basis. This will provide an up-to-date and accurate stock status.
- (ii) To provide with the stock ledger in order to fulfill with the Revenue Department regulation, the computer can print the following:-
 - a. A daily stock movement register
 - b. A weekly stock movement ledger
 - c. A monthly stock status
- (iii) To produce a report showing the outstanding order break down by periods of arrival and country of origin.
- (iv) The basic purpose of inventory control is to maintain inventory at the proper level to meet customer requirements with a minimum of investment. To achieve this goal, it is necessary to maintain records of what quantities of what item or items are on hand at any particular time. This involves keeping records in the office with reflect

the status of the warehouse or plant. Thus, every movement of an item in or out of the warehouse must be reflected by an entry to the inventory record in the office. Computer processes such information to provide management with more close control over the inventory maintained and the money invested in it. The management may ask:-

- What stock is on order ?
- When to re-order stock ?
- How much stock to re-order ?
- What is required ?

These items are the most important, since any decision to obtain additional inventory must consider open orders. The decision to re-order is usually triggered when the on-hand stock plus the on-order stock falls below a designated amount the order point. The computer can produce up to date stock status for this purposes.

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BENEFITS SUMMARY

The proposed computerized system will improve efficiency and productivity as the following:

- Timeliness in reporting will be completed within the schedule
- The distribution of cost by department, account or job for budgetary control is automatically prepared
- Reduce peak-load problem to its minimum
- Reference is facilitated where enquires are made
- Clerical effort to complete source document is reduced
- An increase in the number of transactions does not increase your need for office clerk
- Tighter control can be achieved.

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11. APPENDIX

Users List

1. Lee Kwang Ming Chit Fund Co., Ltd.
2. Mah Boonkroong Drying & Silo Co., Ltd.
3. Bangkok Insurance Co., Ltd.
4. Sahapatanapibul Co., Ltd.
5. International Cosmetics Co., Ltd.
6. Thai Xerographic System Co., Ltd.
7. The Book Club Finance & Securities Co., Ltd.
8. Bangkok First Investment & Trust Ltd. (2 Systems)
9. The Siam Industrial Credit Co., Ltd.
10. Thai Hino Motor Sales Ltd.
11. Central Grain Ltd.
12. Ngow Hock Co., Ltd.
13. The Siam Phum Trading Co., Ltd.
14. DATAMAT Ltd. (2 Systems)
15. Chulalongkorn University
16. Central Securities Co., Ltd.
17. Sittiphol Motors Co., Ltd.
18. Media Focus Co., Ltd.
- * 19. J.L Morison Son & Jones
20. Bangkok Insurance Co., Ltd. (Upgrade to S100/80)
- * 21. United Food Co., Ltd.
22. Union Finance Co., Ltd.
- * 23. Bangkok First Investment & Trust Ltd. (Upgrade to S100/80)
24. Lavor Motion Picture
25. Asia Credit Limited
- * 26. Capital Trust Co., Ltd.
27. Asia Stannum Co., Ltd.
- * 28. Nana Vejakit Hospital
29. Mandarin Hotel
30. IPCT

NOTE: * To be installed

STOCK TRANSACTION ENTRY REGISTER

REPORT DATE : 07/18/80

ITEM NO./DESC	W/H ID	TO W/H ID	TRANSACTION TYPE	TRANSACTION DATE	TRANSACTION QUANTITY	UNIT COST	VALUATION CHANGE	QUANT. ON-HAND	QUANT. AVAIL.	QUANT. ON-ORDER	QUANT. ON B/O
A4500			AMPLIFIER - MODEL 500								
	05		RECEIPTS	7/15/80	5	295.0000	1,475.00	5	5	0	0
APO44			APPLIANCES - TYPE A								
	05		RECEIPTS	7/15/80	20	295.0000	5,900.00	20	20	0	0
APO55			APPLIANCES - TYPE B								
	05		RECEIPTS	7/15/80	20	325.0000	6,500.00	20	20	0	0
ARC225			AIR CONDITIONER - A225								
	05		RECEIPTS	7/15/80	35	189.0000	6,615.00	35	35	0	0
BM055			BOOKBINDING MACHINE - B55								
	05		RECEIPTS	7/15/80	10	175.0000	1,750.00	10	10	0	0
COD98			CODING SHEETS								
	05		RECEIPTS	7/15/80	100	15.0000	1,500.00	100	100	0	0
COM77			COMPUTER FORMS								
	05		RECEIPTS	7/15/80	150	45.0000	6,750.00	150	150	0	0
ELTY400			ELECTRIC TYPE-WRITER T400								
	05		RECEIPTS	7/15/80	20	450.0000	9,000.00	20	20	0	0
COD88			CODING SHEETS								
	01		RECEIPTS	7/15/80	250	15.0000	3,750.00	250	215	0	0
COM77			COMPUTER FORMS								
	01		RECEIPTS	7/15/80	300	45.0000	13,500.00	300	280	0	0
APO44			APPLIANCES - TYPE A								
	01		RECEIPTS	7/15/80	20	295.0000	5,900.00	20	20	0	0
APO55			APPLIANCES - TYPE B								
	01		RECEIPTS	7/15/80	25	325.0000	8,125.00	25	25	0	0
ARC225			AIR CONDITIONER - A225								
	01		RECEIPTS	7/15/80	30	189.0000	5,670.00	30	30	0	0
BM055			BOOKBINDING MACHINE - B55								
	01		RECEIPTS	7/15/80	35	175.0000	6,125.00	35	35	0	0
ELTY400			ELECTRIC TYPE-WRITER T400								
	01		RECEIPTS	7/15/80	40	450.0000	18,000.00	40	40	0	0
COM77			COMPUTER FORMS								
	05		ON-HAND AD	7/15/80S	25	45.0000	1,125.00	175	175	0	0
COD88			CODING SHEETS								
	05		ON-HAND AD	7/15/80S	150	15.0000	2,250.00	250	250	0	0

* STK020 *

NEC COMPUTERS (S) PTE. LTD.

PAGE : 1

SELECTION : ALL

STOCK STATUS REPORT

REPORT DATE : 07/18/80

ITEM RANGE : AMS00

TO ELTY400

WAREHOUSE SELECTION : 05

ITEM NUMBER	DESCRIPTION	CLASS	U/M	W/H	EG.-MONTH BALANCE	RECEIPTS	ISSUES	ADJUSTMENT	TRANSFER	ON HAND	QUANT AVAIL	MIN BAL	M-T-D ORDERS	QUANT ON-ORDER	QUANT B/O
AMS00	AMPLIFIER - MODEL 500														
	AM	EA	05		0	5	15	0	0	5	5	0	0	0	0
AP044	APPLIANCES - TYPE A														
	AP	SET	05		0	20	3	0	0	20	20	0	0	0	0
AP055	APPLIANCES - TYPE B														
	AP	SET	05		0	20	7	0	0	20	20	0	0	0	0
ARC225	AIR CONDITIONER - A225														
	ARC	EA	05		0	35	24	0	0	35	35	10	0	0	0
BM055	BOOKBINDING MACHINE -- B55														
	BM	EA	05		0	10	7	0	10	20	20	0	0	0	0
COD88	CODING SHEETS														
	COD	BOX	05		0	100	0	150	0	250	250	250	0	0	0
COM77	COMPUTER FORMS														
	COM	BOX	05		0	150	25	25	0	175	175	200	0	0	0
ELTY400	ELECTRIC TYPE-WRITER T400														
	ELTY	EA	05		0	20	0	15	20	55	55	10	0	0	0

*** REPORT SUMMARY ***

8 LINE ITEMS LISTED

NEC COMPUTERS (S) PTE. LTD.
STOCK TRANSACTION ENTRY REGISTER

REPORT DATE : 07/18/80

*****REPORT SUMMARY TOTALS*****

TRANSACTION TYPE	TRANSACTIONS PROCESSED	TOTAL UNITS PROCESSED	INVENTORY VALUE
RECEIPTS	15	1,060	100,560.00
ISSUES	0	0	0.00
TRANSFERS	2	30	10,750.00
VENDOR ORDERS	0	0	0.00
COST CHANGES	2	0	61.50
ON-HAND ADJUSTMENTS	4	195	10,554.50
ON-ORDER ADJUSTMENTS	1	1	85.90
BACK-ORDER ADJUSTMENTS	0	0	0.00
ALLOCATED ADJUSTMENTS	0	0	0.00
TOTALS	24		121,840.10

• STK050 •

NEC COMPUTERS (S) PTE. LTD.

PAGE 1

INVENTORY LIST

REPORT DATE : 07/19/80

ITEM RANGE : AMS00 TO ELTY400

ITEM NUMBER	ITEM DESCRIPTION	U/R
AMS00	AMPLIFIER - MODEL 500	EA
AP044	APPLIANCES - TYPE A	SET
AP035	APPLIANCES - TYPE B	SET
ARC225	AIR CONDITIONER - A225	EA
BM055	BOOKBINDING MACHINE - B55	EA
CALC01	CALCULATOR - MODEL C01	EA
CALC20	CALCULATOR - MODEL C20	EA
CALS10	SCIENTIFIC CALCULATOR - M10	EA
CALS20	SCIENTIFIC CALCULATOR - M20	EA
CK0701	COOKETTE - MODEL 701	EA
CK0715	COOKETTE - MODEL 715	EA
CM0900	ELECTRIC COFFEEMAKER - WHITE	EA
CM0910	ELECTRIC COFFEEMAKER - AVACADO	EA
CM0920	ELECTRIC COFFEEMAKER - CHROME	EA
CM0930	ELECTRIC COFFEEMAKER - ORANGE	EA
CM0940	ELECTRIC COFFEEMAKER - YELLOW	EA
COD28	CODING SHEETS	BOX
COM77	COMPUTER FORMS	BOX
ELTY400	ELECTRIC TYPE-WRITER T400	EA

19 LINE ITEMS LISTED

• STK030 •

NEC COMPUTERS (S) PTE. LTD.

INVENTORY VALUATION

REPORT DATE : 07/18/80

ITEM RANGE : AM500 TO ELY400

WAREHOUSE SELECTION : 05

ITEM NUMBER	DESCRIPTION	PROD CLASS	U/H	W/H	QUANT ON-HAND	QUANT ON-ORDR	QUANT ON-B/O	UNIT COST	VALUE
AM500	AMPLIFIER - MODEL 500	AM	EA	05	5	0	0	295.0000	1,475.00
AP044	APPLIANCES - TYPE A	AP	SET	05	20	0	0	295.0000	5,900.00
AP053	APPLIANCES - TYPE B	AP	SET	05	20	0	0	325.0000	6,500.00
ARC225	AIR CONDITIONER - A225	ARC	EA	05	35	0	0	169.0000	4,615.00
BM055	BOOKBINDING MACHINE - B55	BM	EA	05	20	0	0	175.0000	3,500.00
COD88	CODING SHEETS	COD	BOX	05	250	0	0	15.5000	3,875.00
COM77	COMPUTER FORMS	COM	BOX	05	175	0	0	46.0000	8,050.00
ELTY400	ELECTRIC TYPE-WRITER 7400	ELTY	EA	05	55	0	0	450.0000	24,750.00
8	LINE ITEMS LISTED	WAREHOUSE MASTER HASH TOTALS			580				60,665.00

ศูนย์วิจัยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

ITEM RANGE : AMS00

TO ELTY400

PRICE LIST

REPORT DATE : 07/18/80

ITEM NUMBER	ITEM DESCRIPTION	U/M	CODE	U/M	FACTOR	PRICE			GROUP CD
						PER UNIT	DISC %	COMM %	
AP044	APPLIANCES - TYPE A	SET	0001	SET	1.000	319.5000	0.000	0.000	
			0002	SET	1.000	339.0000	0.000	0.000	
AP053	APPLIANCES - TYPE B	SET	0001	SET	1.000	359.0000	0.000	0.000	
			0002	SET	1.000	365.0000	0.000	0.000	
ARC223	AIR CONDITIONER - A223	EA	0001	EA	1.000	279.0000	0.000	0.000	
			0002	EA	1.000	298.0000	0.000	0.000	
BM055	BOOKBINDING MACHINE - B55	EA	0001	PR	2.000	225.0000	0.000	0.000	
CALC01	CALCULATOR - MODEL C01	EA	0001	EA	1.000	23.9900	0.000	5.000	
CALC20	CALCULATOR - MODEL C20	EA	0001	EA	1.000	33.9900	0.000	5.000	
CALS10	SCIENTIFIC CALCULATOR - M10	EA	0001	EA	1.000	37.9900	2.000	5.000	
CALS20	SCIENTIFIC CALCULATOR - M20	EA	0001	EA	1.000	45.9900	2.000	5.000	
CK0701	COOKETTE - MODEL 701	EA	0001	EA	1.000	34.9900	0.000	10.000	
CK0713	COOKETTE - MODEL 713	EA	0001	EA	1.000	41.9900	0.000	10.000	
CM0900	ELECTRIC COFFEEMAKER - WHITE	EA	0001	EA	1.000	11.5900	0.000	12.000	
CM0910	ELECTRIC COFFEEMAKER - AVACADO	EA	0001	EA	1.000	11.5900	0.000	12.000	
CM0920	ELECTRIC COFFEEMAKER - CHROME	EA	0001	EA	1.000	11.5900	0.000	12.000	
CM0930	ELECTRIC COFFEEMAKER - ORANGE	EA	0001	EA	1.000	11.5900	0.000	12.000	
CM0940	ELECTRIC COFFEEMAKER - YELLOW	EA	0001	EA	1.000	11.5900	0.000	12.000	
COD93	CODING SHEETS	BOX	0001	BOX	1.000	18.5000	0.000	0.000	
COM77	COMPUTER FORMS	BOX	0001	BOX	1.000	54.5000	0.000	0.000	
ELTY400	ELECTRIC TYPE-WRITER T400	EA	0001	EA	1.000	615.0000	0.000	0.000	
			0002	EA	1.000	639.0000	0.000	0.000	

ประวัติการศึกษา



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สถานที่ศึกษา วิทยาลัยอัสสัมชัญบริหารธุรกิจ
ปีที่สำเร็จการศึกษา พ.ศ. 2521
สถานที่ทำงาน อาจารย์ประจำ วิทยาลัยอัสสัมชัญบริหารธุรกิจ

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย