

**Dr.A.P.J.Abdul**  
**kalam Technical University,UttarPardesh,Lucknow**  
(Formerly Uttar Pradesh Technical University)  
**STUDY EVALUATION SCHEME**  
**INFORMATION TECHNOLOGY**  
**YEAR forth, SEMESTER –VII**  
**(Effective from the session: 2016-17)**

S.No.	Subject Code	Subject	Period	Evaluation Scheme				Total	Credit
				Sessional			Exam		
				CT	TA	Total			
1		<u>Open Elective I</u>	3-1-0	30	20	50	100	150	4
2	NIT-701	Cryptography & Network Security	3-1-0	30	20	50	100	150	4
3	NCS-702	Artificial Intelligence	3-1-0	30	20	50	100	150	4
4		<u>Departmental Elective III</u>	3-1-0	30	20	50	100	150	4
5		<u>Departmental Elective IV</u>	3-1-0	30	20	50	100	150	4
<b><u>Practical / Training /Projects</u></b>									
6	NIT-751	Cryptography & Network Security*	0-0-2	-	20	20	30	50	1
7	NCS-752	Project	0-0-6	-	100	100	-	100	3
8	NCS-753	Industrial Training	0-0-2	-	50	50	-	50	1
9	GP-701	General Proficiency	-	-	-	-	-	50	
		Total	15-5-10					1000	25

1. Practical Training done after 6<sup>th</sup> Semester would be evaluated in 7<sup>th</sup> semester through Report and Viva-voce.
2. Project has to be initiated in 7<sup>th</sup> semester beginning and completed by the end of 8<sup>th</sup> semester with proper report and demonstration.

\* At least 10 problems are to be considered based on corresponding theory course.

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**YEAR forth, SEMESTER –VIII**  
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SNo	Subject Code	Subject	Period	Evaluation Scheme				Total	Credit
				Sessional			Exam		
				CT	TA	Total			
1		<u>Open Elective II</u>	3-1-0	30	20	50	100	150	4
2	NIT-801	Mobile Computing	3-1-0	30	20	50	100	150	4
3		<u>Departmental Elective V</u>	3-1-0	30	20	50	100	150	4
4		<u>Departmental Elective VI</u>	3-1-0	30	20	50	100	150	4
<b>Practicals / Training /Projects</b>									
5	NIT-851	Seminar	0-0-3	-	50	50	-	50	2
6	NCS-852	Project	0-0-12	-	100	100	200	300	7
7	GP-801	General Proficiency	-	-	-	-	-	50	
		Total	12-4-15					1000	25

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### **Open Elective I**

NOE-071 Entrepreneurship Development  
NOE-072 Quality Management  
NOE-073 Operations Research  
NOE-074 Introduction to Bio Technology  
NOE-075 Mobile Application Development  
NOE-076 Ethical Hacking and Prevention  
NOE-077 Software Project Management

### **Open Elective II**

1. NOE-081 Non Conventional Energy Resources
2. NOE-082 Non Linear Dynamics Systems
3. NOE-083 Product Development
4. NOE-084 Automation and Robotics

### **Departmental Elective III**

1. NCS-071 Software Testing and Audit
2. NCS-072 Neural Network
3. NIT-071 IT in Forensic Science

### **Departmental Elective IV**

1. NCS-074 High Speed Network
2. NCS-075 Android Operating System
3. NCS-076 Service Oriented Architecture
4. NCS-701 Distributed System
5. NCS-073 Computer Vision

### **Departmental Elective V**

1. NCS-080 Pattern Recognition
2. NCS-082 Real Time System
3. NCS-084 Grid Computing
4. NCS-801 Digital Image Processing
5. NIT-080 Natural Language Processing

### **Departmental Elective VI**

1. NCS-085 Data Compression
2. NCS-087 Embedded Systems
3. NCS-088 Semantic Web and Web  
Services
4. NIT-081 Software Quality Engineering
5. NIT-082 Software Reliability