COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
Plot No.1 (A), CNI Complex, Patia, Bhubaneswar – 751024, Odisha, India.
[AFFILIATED TO BPUT, ODISHA]
www.coeb.ac.in

DEPARTMENT OF MBA

ADD-ON COURSE

Academic Year -2020-2021

[Programme: MBA]

Name of the Course: **Cyber Security**

Program Code: COEB/PG

Course Code:

Year of Study: **1st Yr.**

Course objective: The course focuses on helping in recognizing the key elements need to beaddressed and reflects the need Diagnose and investigate cyber security events or crimes related to computer systems and digital evidence.

SYLLABUS

Total Lecture Hours: 36

Module-I Introduction Cyber security: 8 hrs

Defining Cyberspace and Overview of Computer and Web-technology, Architecture of cyberspace, Communication and web technology, Internet, World wide web, Advent of internet, Internet infrastructure for data transfer and governance, Internet society, Regulation of cyberspace, Concept of cyber security, Issues and challenges of cyber security.

Module-II Cyber crime and Cyber law: 8hrs

Classification of cyber crimes, Common cyber crimes- cyber crime targeting computers and mobiles, cyber crime against women and children, financial frauds, social engineering attacks, malware and ransomware attacks, zero day and zero click attacks, Cybercriminals modus-operandi , Reporting of cyber crimes, Remedial and mitigation measures, Legal perspective of cyber crime, IT Act 2000 and its amendments, Cyber crime and offences, Organisations dealing with Cyber crime and Cyber security. 8 hrs

Module-III Social Media Overview and Security: 8 hrs

Introduction to Social networks. Types of Social media, Social media platforms, Social media monitoring, Hashtag, Viral content, Social media marketing, Social media privacy, Challenges, opportunities and pitfalls in online social network, Security issues related to social media, Flagging and reporting of inappropriate content, Laws regarding posting of inappropriate content, Best practices for the use of Social media, Case studies.

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Module IV E-Commerce and Digital Payments: 12 hrs

Definition of E- Commerce, Main components of E-Commerce, Elements of E-Commerce security, E-Commerce threats, E-Commerce security best practices, Introduction to digital payments, Components of digital payment and stake holders, Modes of digital payments- Banking Cards, Unified Payment Interface (UPI), e-Wallets, Unstructured Supplementary Service Data (USSD), Aadhar enabled payments, Digital payments related common frauds and preventive measures. RBI guidelines on digital payments and customer protection in unauthorised banking transactions. Relevant provisions of Payament Settlement Act,2007,

Course Outcomes: On successful completion of this course, the students will be able:

CO1: To be aware of the nuances of cyber security.
CO2: Protect and defend computer systems and networks from cyber security attacks.
CO3: Diagnose and investigate cyber security events or crimes related to computer systems and digital evidence.
CO4: Effectively communicate in a professional setting to address information security issues

Text books:

Hacking, The Art of Exploitation; Jon Erickson
Cult of The Dead Cow ; Joseph Menn
The Code Book ; Simon Singh

Evaluation Process:

1. Students must have at least 75% attendance.
2. Two Internal Assessment will be conducted and minimum score to complete the course must be 60%.
3. After successful completion of the course, certificates will be awarded to each student.

Designed and Developed by:-- Dr. Sushant Mishra & Mr. Purnachandra Pradhan

Principal

HOD
Master of Business Administration
HOD, MBA

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION
COLLEGE OF ENGINEERING BHUBANESWAR
Plot No.1(A),CNI complex,Patia,Bhubaneswar-751024
Odisha,India

NOTICE for Add ON Course

Ref . No:COEB/MBA/2020/103 Date:1.09.2020

It is here by informed to all students that the Department of MBA is going to start the following

Add On course for Academic Year 2020-21.All the students are instructed to enroll their names for the following courses on or before 10th September 2020.The classes will be starting from 5.30 PM to 7.30 PM in ON_LINE Mode. You can contact the following course coordinator for enrollment and any queries.

Sl No	Name of Add On course	Semester	Duration of Hours	Date of Commencement	Name of the course cordinator
01	Cyber Security	1st	36Hrs	14/09/2020	Mr. Purnachandra Pradhan
02	Content Marketing	1st	36Hrs	13/10/2020	Dr. Biswamohan Dash

Copy to:

1. Office of the Chairman/ Vice-Chairman for kind information.
2. Office of the Executive Director for kind Information.
3. Office of the Registrar for kind Information.
3. Office of the Principal for kind information.
4. Departmental Notice Board.
5. Guard File

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

ADD-ON COURSE

STUDENT ENROLLMENT SHEET

Name of the Department:MASTER OF BUSINESS ADMINISTRATION	
Course Title:Cyber Security	
Semester :1st	**Academic Year:2020-21**

Student's Declaration/Undertaking

1. I do hereby undertake to participate in the above mentioned add on course.

2. I do hereby, promise to abide by the admissible rules and regulations, concerning discipline, attendance, etc of the department, and also to follow the Code of Conduct prescribed for the students of the Institute, as in for from time to time.

Sl. No.	Registration No.	Name of the Student	Signature of the Student
1	2006219001	BISWAJIT PATRA	Biswajit Patra
2	2006219002	DEBIPRASAD NAYK	Debi Prasad Nayak
3	2006219003	JAYA RAM DIGI	Jayaram Digi
4	2006219004	MADHUMITA DAS	Madhumita Das
5	2006219005	MANAS KUMAR SETHI	Manas Kumar Sethi
6	2006219006	PUJA RANI MALLICK	Not Enrolled
7	2006219007	SUBHASHREE NAYAK	Subhashree Nayak
8	2006219008	SUBHASMITA MISHRA	Subhasmita Mishra
9	2006219009	TAPAN KUMAR DAS	Tapan Ku Das
10	2006219010	AMAN KUMAR RAI	Aman Kumar Rai
11	2006219011	BADRI NARAYAN BEHERA	Badri Narayan Behera
12	2006219012	CHITA RANJAN BISWAL	Chita Ranjan Biswal
13	2006219013	LAXMIPRIYA PALEYA	Laxmipriya paley
14	2006219014	NISANKA PATTNAIK	Nisanka Pattnaik
15	2006219015	PREETAM KUMAR NAYAK	Preetam Kumar Nay
16	2006219016	RAKESH KUMAR GARU	Rakesh kumar garu
17	2006219017	SAGAR BEHERA	Sagar Behera
18	2006219018	ALINA SETHI	Alina Sethi
19	2006219019	ANANTA BERIA	Ananta Beria
20	2006219020	ASHUTOSH SWAIN	Ashutosh Swain
21	2006219021	BIKRAM KESHARI SETHY	Bikram Keshari Sethy
22	2006219022	BISHNU PRASAD BEHERA	Bishnu Prasad Behera
23	2006219023	BISWAJIT DAS	Biswajit Das
24	2006219024	DEBASIS MALIK	Debasis Malik
25	2006219025	DIPTIRANJAN SAHOO	Dipti Ranjan Sahoo
26	2006219026	JYOTIRMAYA SAHOO	Jyotirmaya Sahoo
27	2006219027	LINGARAJ MAJHI	Lingaraj Majhi
28	2006219028	MAMATA PATRA	Mamata patra
29	2006219029	PABITRA BHOL	Pabitra Bhol
30	2006219030	SAMYA RANJAN SWAIN	Samya Ranjan Swain

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COORDINATOR COURSE

31	2006219031	SANDEEP PATTANAYAK	Sandeep Pattanayak
32	2006219032	SANTOSI BEHERA	Santosi behera
33	2006219033	SIDHARTHA SAHOO	Sidhartha Sahoo
34	2006219034	SNEHASHREE PANDA	Snehashree Panda
35	2006219035	SOUMYA RANJAN NAYAK	SoumyaRanjan Nayak.
36	2006219036	SUBHADRA CHOUDHURY	Subhadra Choudhury
37	2006219037	SUBHASIS MOHAPATRA	Subhasis Mohapatra
38	2006219038	SUJATA DEHURY	Sujata Dehury
39	2006219039	SUSHREE SANGITA DAS	Sushree Sangita Das
40	2006219040	SUSIL KUMAR SAMAL	Susil Kumar Samal.
41	2006219041	T YAMINI	T. Yamini

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SIGNATURE OF COURSE CO-ORDINATOR

COURSE COORDINATOR
Dt.....

COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

ADD ON/CERTIFICATE COURSE

PRINCIPAL
College of Engineering Bhubaneswar

STUDENT ATTENDANCE

ONLINE MODE

Programme: **MBA**

Semester: 1ST Academic Year: 2020-21

Name of the Course: **Cyber Security**

Course Code (if any):

Duration :

SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Remarks by the Course Coordinator (**P**-Present, **A**-Absent)										Remarks
			Date 14/9	Date 15/09	Date 16/9	Date 18/9	Date 21/9	Date 22/9	Date 23/9	Date 24/9	Date 25/9	Date 28/9	
1	2006219001	BISWAJIT PATRA	P	P	P	P	P	P	P	P	P	P	Certified that this Certificate course is conducted in virtual mode (ON-LINE) because of the Pandemic COVID-19. The attendance is taken with the remarks P-Present and A-Absent for the students.
2	2006219002	DEBIPRASAD NAYAK	P	P	A	P	P	P	P	P	P	A	
3	2006219003	JAYA RAM DIGI	A	P	P	P	P	P	P	P	P	P	
4	2006219004	MADHUMITA DAS	P	P	P	P	P	P	P	P	P	P	
5	2006219005	MANAS KUMAR SETHI	P	P	P	P	P	P	P	P	P	P	
6	2006219006	PUJA RANI MALLICK	A	A	A	A	A	A	A	A	A	A	
7	2006219007	SUBHASHREE NAYAK	P	P	P	P	P	P	P	A	P	P	
8	2006219008	SUBHASMITA MISHRA	P	P	P	P	P	P	P	P	A	P	
9	2006219009	TAPAN KUMAR DAS	A	P	P	P	P	P	P	P	P	P	
10	2006219010	AMAN KUMAR RAI	P	P	P	P	P	P	P	P	P	P	
11	2006219011	BADRI NARAYAN BEHERA	A	P	P	P	P	P	P	P	P	P	
12	2006219012	CHITA RANJAN BISWAL	P	P	P	P	P	P	P	P	P	A	
13	2006219013	LAXMIPRIYA PALEYA	P	P	A	P	P	P	P	P	P	P	
14	2006219014	NISANKA PATTNAIK	P	P	P	P	P	P	P	P	P	P	
15	2006219015	PREETAM KUMAR NAYAK	P	P	P	P	P	P	P	P	P	P	
16	2006219016	RAKESH KUMAR GARU	P	P	P	P	P	P	P	P	P	A	
17	2006219017	SAGAR BEHERA	P	P	P	P	P	P	P	P	P	P	
18	2006219018	ALINA SETHI	P	P	P	P	P	P	P	P	P	P	
19	2006219019	ANANTA BERIA	P	P	P	P	A	P	P	P	P	P	
20	2006219020	ASHUTOSH SWAIN	P	P	P	A	P	P	P	P	P	P	

Course Coordinator
(Signature with Seal)

			Dt: 14/9	15/9	16/9	18/9	21/9	22/9	23/9	24/9	25/9	28/9
21	2006219021	BIKRAM KESHARI SETHY	P	P	P	P	P	A	P	P	P	P
22	2006219022	BISHNU PRASAD BEHERA	P	P	P	A	P	P	P	P	P	P
23	2006219023	BISWAJIT DAS	A	P	P	P	P	P	P	P	P	P
24	2006219024	DEBASIS MALIK	P	P	P	P	P	P	A	P	P	P
25	2006219025	DIPTIRANJAN SAHOO	P	P	P	P	P	P	P	P	A	P
26	2006219026	JYOTIRMAYA SAHOO	P	P	P	P	A	P	P	P	P	P
27	2006219027	LINGARAJ MAJHI	P	P	P	P	P	P	P	P	P	P
28	2006219028	MAMATA PATRA	P	P	P	P	P	P	P	P	P	P
29	2006219029	PABITRA BHOL	P	P	P	A	P	P	P	P	P	P
30	2006219030	SAMYA RANJAN SWAIN	P	P	P	P	A	P	P	P	P	P
31	2006219031	SANDEEP PATTANAYAK	P	P	P	P	P	P	P	P	P	P
32	2006219032	SANTOSI BEHERA	P	P	P	P	P	P	A	P	P	P
33	2006219033	SIDHARTHA SAHOO	P	P	P	P	P	P	P	P	P	P
34	2006219034	SNEHASHREE PANDA	A	P	P	P	P	P	P	P	P	P
35	2006219035	SOUMYA RANJAN NAYAK	P	P	P	P	P	P	P	A	P	P
36	2006219036	SUBHADRA CHOUDHURY	P	A	P	P	P	P	P	P	P	A
37	2006219037	SUBHASIS MOHAPATRA	P	P	P	P	P	P	P	P	P	P
38	2006219038	SUJATA DEHURY	P	P	P	P	P	P	P	P	P	P
39	2006219039	SUSHREE SANGITA DAS	P	A	P	P	P	P	P	P	P	P
40	2006219040	SUSIL KUMAR SAMAL	P	P	P	P	P	P	P	P	A	P
41	2006219041	T YAMINI	P	A	P	P	P	P	P	P	P	P

Certified that this Certificate course is conducted in virtual mode (ON-LINE) because of the Pandemic COVID-19. The attendance is taken with the remarks P-Present and A-Absent for the students.

Course Coordinator
(Signature with Seal)

SIGNATURE OF COURSE COORDINATOR

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College of Engineering Bhubaneswar

COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

ADD ON/CERTIFICATE COURSE

PRINCIPAL
College of Engineering Bhubaneswar

STUDENT ATTENDANCE

ONLINE MODE

Programme: **MBA** Semester: 1ST Academic Year: 2020-21

Name of the Course: **Cyber Security** Course Code (if any):

Duration :

SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Remarks by the Course Coordinator (P-Present, A-Absent)										Remarks
			Date 29/9	Date 30/9	Date 05/10	Date 06/10	Date 07/10	Date 08/10	Date 09/10	Date 12/10	Date	Date	
1	2006219001	BISWAJIT PATRA	P	P	P	P	P	P	A	P			Certified that this Certificate course is conducted in virtual mode (ON-LINE) because of the Pandemic COVID-19. The attendance is taken with the remarks P-Present and A-Absent for the students.
2	2006219002	DEBIPRASAD NAYAK	P	P	P	P	P	P	P	P			
3	2006219003	JAYA RAM DIGI	P	P	P	P	P	P	P	P			
4	2006219004	MADHUMITA DAS	P	P	P	P	P	P	P	A			
5	2006219005	MANAS KUMAR SETHI	P	P	P	P	A	P	P	P			
6	2006219006	PUJA RANI MALLICK	A	A	A	A	A	A	A	A			
7	2006219007	SUBHASHREE NAYAK	P	P	P	P	P	P	P	P			
8	2006219008	SUBHASMITA MISHRA	P	P	P	P	P	P	P	P			
9	2006219009	TAPAN KUMAR DAS	P	P	P	P	P	P	P	P			
10	2006219010	AMAN KUMAR RAI	A	P	P	P	P	P	P	P			
11	2006219011	BADRI NARAYAN BEHERA	P	P	P	P	P	P	P	P			
12	2006219012	CHITA RANJAN BISWAL	P	P	P	P	P	P	P	P			
13	2006219013	LAXMIPRIYA PALEYA	P	P	P	P	P	P	P	P			
14	2006219014	NISANKA PATTNAIK	P	P	A	P	P	P	P	P			
15	2006219015	PREETAM KUMAR NAYAK	P	P	P	P	A	P	P	P			
16	2006219016	RAKESH KUMAR GARU	P	P	P	P	P	P	P	P			
17	2006219017	SAGAR BEHERA	A	P	P	P	P	P	P	P			
18	2006219018	ALINA SETHI	P	P	A	P	P	P	P	P			
19	2006219019	ANANTA BERIA	P	P	P	P	P	P	P	P			
20	2006219020	ASHUTOSH SWAIN	P	P	P	P	P	P	P	P			

Course Coordinator
(Signature with Seal)

COURSE COORDINATOR

			Dt: 29/09	30/9	05/10	6/10	7/10	8/10	09/10	12/10		
21	2006219021	BIKRAM KESHARI SETHY	P	P	P	P	P	P	P	P		
22	2006219022	BISHNU PRASAD BEHERA	P	P	P	P	P	P	P	P		
23	2006219023	BISWAJIT DAS	P	P	P	P	P	P	P	P		
24	2006219024	DEBASIS MALIK	P	P	P	P	P	P	P	P		
25	2006219025	DIPTIRANJAN SAHOO	P	P	P	P	P	P	P	P		
26	2006219026	JYOTIRMAYA SAHOO	P	P	P	P	P	P	P	P		
27	2006219027	LINGARAJ MAJHI	A	P	P	P	P	P	P	P		
28	2006219028	MAMATA PATRA	P	P	A	P	P	P	P	P		
29	2006219029	PABITRA BHOL	P	P	P	P	P	P	P	P		
30	2006219030	SAMYA RANJAN SWAIN	P	P	P	P	P	P	P	P		
31	2006219031	SANDEEP PATTANAYAK	P	P	P	A	P	P	P	P		
32	2006219032	SANTOSI BEHERA	P	P	P	P	P	P	P	P		
33	2006219033	SIDHARTHA SAHOO	P	P	A	P	P	P	P	P		
34	2006219034	SNEHASHREE PANDA	P	P	P	P	P	P	P	P		
35	2006219035	SOUMYA RANJAN NAYAK	P	P	P	P	P	P	P	P		
36	2006219036	SUBHADRA CHOUDHURY	P	P	P	P	P	P	P	P		
37	2006219037	SUBHASIS MOHAPATRA	A	P	P	P	P	P	P	P		
38	2006219038	SUJATA DEHURY	P	P	P	P	P	P	P	A		
39	2006219039	SUSHREE SANGITA DAS	P	P	P	P	P	P	P	P		
40	2006219040	SUSIL KUMAR SAMAL	P	P	P	P	P	P	P	P		
41	2006219041	T YAMINI	P	P	P	P	P	P	P	P		

Certified that this Certificate course is conducted in virtual mode (ON-LINE) because of the Pandemic COVID-19. The attendance is taken with the remarks P-Present and A-Absent for the students.

Course Coordinator
(Signature with Seal)

COURSE COORDINATOR

SIGNATURE OF COURSE COORDINATOR

COURSE COORDINATOR

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COLLEGE OF ENGINEERING BHUBANESWAR

PLOT NO-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024

Certificate of Completion

This is to certify that Mr./Ms. BISWAJIT PATRA, student of the Department of MBA semester First bearing registration number 2006219001 has successfully completed the ADD-ON Course titled Cyber Security conducted at College of Engineering Bhubaneswar in the academic year 2020-21

TRUE COPY

Course-Coordinator

Principal

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MBA - 20/21 - 02

COLLEGE OF ENGINEERING BHUBANESWAR

PLOT NO-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024

Certificate of Completion

This is to certify that Mr./Ms. DEBIPRASAD NAYAK, student of the Department of MBA semester First bearing registration number 2006219002 has successfully completed the ADD-ON Course titled Cyber Security conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

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College of Engineering Bhubaneswar

Course-Coordinator

Principal

COLLEGE OF ENGINEERING BHUBANESWAR

PLOT NO-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024

Certificate of Completion

This is to certify that Mr./Ms. JAYA RAM DIGI, student of the Department of MBA semester First bearing registration number 2006219003 has successfully completed the ADD-ON Course titled Cyber Security conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

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Course-Coordinator

Principal

COLLEGE OF ENGINEERING BHUBANESWAR

PLOT NO-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024

Certificate of Completion

This is to certify that Mr./Ms. MADHUMITA DAS, student of the Department of MBA semester First bearing registration number 2006219004 has successfully completed the ADD-ON Course titled Cyber Security conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

TRUE COPY

Course-Coordinator

Principal

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College of Engineering Bhubaneswar

COLLEGE OF ENGINEERING BHUBANESWAR

PLOT NO-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024

Certificate of Completion

This is to certify that Mr./Ms. MANAS KUMAR SETHI, student of the Department of MBA semester First bearing registration number 2006219005 has successfully completed the ADD-ON Course titled Cyber Security conducted at College of Engineering Bhubaneswar in the academic year 2020-21

TRUE COPY

Course-Coordinator

Principal

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College of Engineering Bhubaneswar