



### List of New Course(s) Introduced

**Department : Computer Science and Engineering**

**Programme Name : B.Tech.**

**Academic Year : 2016-17**

### **List of New Course(s) Introduced**

Sr. No.	Course Code	Name of the Course
01.	CS3THS01	Engineering Economic



## Minutes of Meetings (MoM) of Board of Studies (BoS)

**Academic Year : 2016-17**

**School : School of Studies of Engineering and Technology**

**Department : : Computer Science and Engineering**

**Date and Time : July 1, 2016 - 11:30 AM**

**Venue : Department of CSE**

The scheduled meeting of member of Board of Studies (BoS) of Department of Computer Science and Engineering , School of Studies of Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur was held to design and discuss the B. Tech. 2<sup>nd</sup> Year scheme and syllabi.

The following members were present in the meeting:

1. Dr. Dr.Manish Shrivastava (HOD, Assitant Prof., Dept. of CSE.-cum Chairman, BOS)
2. Mr.Vaibhav Kant Singh (Member BoS, Assistant Professor, Dept. of CSE)
3. Dr.Amit Khaskalam (Invited Member)
4. Dr. Sandeep Singh (Invited Member)
5. Mrs.Nishi Yadav (Member BoS, Assistant Professor, Dept. of CSE)
6. Mr. Amit Baghel (Invited Member, Assistant Professor, Dept. of CSE)
7. Mr. Satish Negi (Invited Member, Assistant Professor, Dept. of CSE)
8. Mr. Pushpendra Kumar Chandra (Invited Member, Assistant Professor, Dept. of CSE)

Following points were discussed during the meeting

1. Syllabus revision for B. Tech Final Year for the session 2016-17
2. Modification of the credit and course code of B. Tech 2nd year, 2016-17
3. Implementation of CBCS in 2<sup>nd</sup> Year.

The committee discussed and approved the scheme and syllabi. The following courses were revised in the of B. Tech. Final year (VII and VIII Semesters) :

- ❖ Data Mining (CS4201)
- ❖ Java Programming (CS4TPC02)

The following new courses were introduced in the of B. Tech. Final year (VII and VIII Semesters):

- ❖ Engineering Economic (CS3THS01)

**विभागाध्यक्ष**  
**Head**  
संगणक विज्ञान एवं अभियांत्रिकी  
Computer Science & Engg.  
अभियांत्रिकी एवं प्रौ. अध्ययन शाला  
SOS, Engg. & Technology  
गु.घा. विश्वविद्यालय, बिलासपुर (छ.ग.)  
G.G.Vishwavidyalaya, Bilaspur (C.G.)

Signature & Seal of HoD



## Scheme and Syllabus

Computer Science and Engineering  
Institute of Technology  
Guru Ghasidas Vishwavidyalaya C.G.  
CBCS (With Effect from 2016-17)

**Sem- III**

S.No	Subject Code	Subjects	Period /week			Evaluation Scheme			Total Credit	
			L <sup>1</sup>	T <sup>2</sup>	P <sup>3</sup>	IA	ESE	TOTAL		
1	CS3THS01	Engineering Economics	3	0	0	40	60	100	3	
2	CS3TES01	Electronic Devices and Circuits	3	1	0	40	60	100	4	
3	CS3TES02	Digital Logic & Design	3	1	0	40	60	100	4	
4	CS3TBS01	Engineering Mathematics- III	3	0	0	40	60	100	3	
5	CS3TPC01	Object Oriented Programming With C++	3	1	0	40	60	100	4	
<b>PRACTICAL</b>										
1	CS3LPES01	Electronic Devices and Circuit Lab	0	0	3	30	20	50	2	
2	CS3LPES02	Digital Logic & Design Lab	0	0	3	30	20	50	2	
3	CS3LPCC01	Object Oriented Programming with C++ Lab	0	0	3	30	20	50	2	
								<b>Total Credits</b>	<b>650</b>	<b>24</b>

IA- Internal Assessment , ESE – End Semester Examination

**Sem- IV**

S.No	Subject Code	Subjects	Period /week			Evaluation Scheme			Total Credit	
			L <sup>1</sup>	T <sup>2</sup>	P <sup>3</sup>	IA	ESE	TOTAL		
1	CS4TPC01	Data Communication and Networks	3	1	0	40	60	100	4	
2	CS4TPC02	Java Programming	3	1	0	40	60	100	4	
3	CS4TPC03	Data Structure & Programming Methodology	3	1	0	40	60	100	4	
4		Open Elective - I	3	0	0	40	60	100	3	
5		Open Elective - II	3	0	0	40	60	100	3	
<b>PRACTICAL</b>										
1	CS4LPPC01	Data Communication and Networks Lab	0	0	3	30	20	50	2	
2	CS4LPPC02	Java Programming Lab	0	0	3	30	20	50	2	
3	CS4LPPC03	Data Structure & Programming Methodology Lab	0	0	3	30	20	50	2	
								<b>Total Credits</b>	<b>650</b>	<b>24</b>

IA- Internal Assessment , ESE – End Semester Examination

Open Elective Subjects		
S.No.	Subject Code	Subject
01	CS4TOE01	System Software
02	CS4TOE02	Computer Organization & Architecture
03	CS4TOE03	Discrete Mathematics and Fuzzy Techniques
04	CS4TOE04	System Analysis and Design



Department of Computer Science & Engineering, IT, GGV, Bilaspur (Chhattisgarh) India

Class: Bachelor of Technology Third Semester Computer Science and Engineering  
Subject Name: Engineering Economics  
Subject Code: CS3THS01

**Unit-1**

Basic Concepts and Definitions, Methodology of Economics, Demand and Supply – elasticity, Theory of the Firm and Market Structure, Price and output determinations in different types of market

**Unit-2**

Public Sector Economics –Welfare economics, Central and commercial Banks and their functions, Industrial policies, theory of localization, Weber & surgent Florence theory, investment analysis-NPV, ROI, IRR, Payback period, SWOT analysis.

**Unit-3**

Monetary and Fiscal Policy; Tools, impact on the economy , Inflation, Business Cycle, Cash Flow-2,3,4 Model.

**Unit-4**

Business Forecasting – Elementary techniques. Cost and Revenue Analysis, Break Even Analysis.

**Unit-5**

Indian economy; Urbanization, Unemployment–Poverty, Regional Disparities, Unorganized Sectors- Role of Plans, Reforms-Post Independent period.

**Text Books:**

1. Mankiw Gregory N.(2002), Principles of Economics, Thompson Asia
2. V. Mote, S. Paul, G. Gupta(2004), Managerial Economics, Tata McGraw Hill
3. Misra, S.K. and Puri (2009), Indian Economy, Himalaya
4. PareekSaroj (2003), Textbook of Business Economics, Sunrise Publishers

**Reference Books:**

1. Kapila U. Indian economy since Independence. Academic Foundation, New Delhi
2. Misra, S. K. and Puri V. K. Indian Economy — Its Development Experience. Himalaya Publishing House, Mumbai
3. Dutt R. and Sundharam K. P. M. Indian Economy. S. Chand & Company Ltd., New Delhi.
4. Mathur R. Indian Economic Policy and Reform. RBSA Publisher, Jaipur
5. Jalan B. Indian Economic Policy. Penguin Books Ltd
6. Government of India, Economic Survey (Annual), Economic Division, Ministry of Finance, New Delhi.

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