

Action Item



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

(ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994)
"JnanaSangama" Belagavi-590018, Karnataka, India

Prof. A. S. Deshpande B.E., M.Tech., Ph.D.
REGISTRAR

Phone : (0831) 2498100
Fax : (0831) 2405467

REF: VTU/BGM/ACA/2022-23/3427

DATE: 6 OCT 2022

To,
The Principal,
Sir, M. Visvesvaraya Institute of Technology, Bengaluru

Subject: - Regarding approval to offer IEM programs open Elective Subjects to other department's students.

Reference: Your letter dated 23.09.2022

This is with reference to the subject mentioned above, you are permitted to offer the following open elective courses of the **Industrial Engineering and Management** program to other department students,

- 18IM751- Human Resource Management
- 18IM752- Organization Behaviour
- 18IM753- Supply Chain management
- 18IM652- Data Analysis for Engineers
- 18IM653- Engineering Economics

with the following conditions

1. All the listed courses should be engaged by faculty experts who have shifted from the IEM department to the Mechanical Engineering department due to the closure of the IEM program.
2. These courses can be offered as open electives to the students of the department other than the IEM.
3. While offering these courses to Mechanical Engineering department students, verify that these or similar types of courses the students should have not studied or going to study (for 6th semester students) in feature as an elective or core courses.

Sd/-
Registrar

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information and needs (copy to QPDS section).
3. The Director I/c. ITI SMU, VTU Belagavi for information and needful

REGISTRAR
7/10/22

B. E. Industrial Engineering & Management			
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)			
SEMESTER - VII			
HUMAN RESOURCE MANAGEMENT			
Course Code	18IM751	CIE Marks	40
Teaching Hours/Week (L:T:P)	(3:0:0)	SEE Marks	60
Credits	03	Exam Hours	03
Course Learning Objectives:			
<ol style="list-style-type: none"> 1. Recognize the importance of Human Resource in an organization. 2. Explain the importance of Recruitment and Training in staffing an organization. 3. Recognize the training and development needs and identify the training methods. 4. Use special methods to enhance HR systems. 5. Identify the importance of industrial relations and industrial disputes and settlement 			
Module-1			
INTRODUCTION: Evolution of HRM, Objectives, Functions and Policies.			
HUMAN RESOURCE PLANNING: Uses and benefits, Man Power Inventory, Man Power Forecasting, Methods of Man Power Forecasting, job Description, Job Specification.			
Module-2			
RECRUITMENT: Sources of Man power, Advertisement, Short Listing of Candidates calling Candidates for selection Process.			
SELECTION: Selection procedure – Written Test, Group Discussion. Interview – Different methods, advantages and limitations, Psychological testing – Advantages and limitations, Induction procedure, transfers, promotion, exit interview, (Tutorial on written test, Group Discussion, Interviews			
Module-3			
TRAINING AND DEVELOPMENT: Identification of Training needs, Training Evaluation, Training Budget, Executive Development – Different Approaches, Non-executive development – Different methods.			
PERFORMANCE APPRAISAL: Components (all round performance appraisal), Methods. Advantages and limitations of different methods, Personal Counselling based on Annual Confidential Reports			
Module-4			
COUNSELLING AND HUMAN RESOURCE ACCOUNTING:			
Characteristics, Need, Function, Types, Suggestions for personnel development, communication function, communication process, effective communication. Human resource records, Advantages of HR accounting, Various methods of accounting			
Module-5			
INDUSTRIAL RELATIONS: Indian trade union act, standing orders act, Indian factories act			
INDUSTRIAL DISPUTES AND SETTLEMENT: Indian Industrial Disputes act, Industrial disputes settlement machinery. Works committee, Board of Conciliation, Voluntary Arbitration, Compulsory arbitration, Court of inquiry, Industrial tribunal, Adjudication.			
Course Outcomes: At the end of the course the student will be able to:			
<ul style="list-style-type: none"> • Recall and explain the importance of HR in an organization • Demonstrate skills in identifying the right man for the right job and carry out scientific selection. • Interpret the training requirement and use the right method of training. • Employ the right techniques for employee performance enhancement. • Appraise the importance of industrial relations and correlate the existing legislations to settlement of industrial disputes. 			
Question paper pattern:			
<ul style="list-style-type: none"> • The question paper will have ten full questions carrying equal marks. • Each full question will be for 20 marks. • There will be two full questions (with a maximum of four sub- questions) from each module. • Each full question will have sub- question covering all the topics under a module. • The students will have to answer five full questions, selecting one full question from each module. 			

Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
Textbook/s				
1	Human Resources Management	Dr. K Ashwathappa	Tata McGraw Hill	1999.
2	Management of Human Resources	CB Mamoria	Himalaya Publication House	2003.
Reference Books				
3	Personnel / Human Resource Management	Decenzo and Robbins	PHI	2002
4	Human Resources Management	VSP Rao		
5	Industrial Relations	Arun Monappa	TMH - ISBN – 0-07-451710-8.	

B. E. Industrial Engineering & Management			
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)			
SEMESTER - VII			
ORGANIZATIONAL BEHAVIOR			
Course Code	18IM752	CIE Marks	40
Teaching Hours/Week (L:T:P)	(3:0:0)	SEE Marks	60
Credits	03	Exam Hours	03
Course Learning Objectives:			
<ol style="list-style-type: none"> 1. To make students understand fundamental concepts and principles of management, including the basic roles, skills, and functions of management. 2. To make students knowledgeable of historical development, theoretical aspects and practice application of managerial process. 3. To understand the basic concepts and theories underlying individual behaviour besides developing better insights into one's own self. 4. To make students aware of Individual behaviour in groups, dynamics of groups and team building besides developing a better awareness of how they can be better facilitators for building effective teams as leaders themselves. 			
Module-1			
<p>Introduction: Definition of Organization Behaviour and Historical development, Environmental context (Information Technology and Globalization, Diversity and Ethics, Design and Cultural, Reward Systems).</p> <p>Foundations of individual behavior: individual differences. Ability: Intellectual abilities, Physical ability, the role of disabilities. Attitude: Meaning, Formation, components of attitudes, relation between attitude and behavior, Aptitude, interests. Values.</p>			
Module-2			
<p>Personality: Meaning, formation, determinants, traits of personality, big five and MBTI, personality attributes influencing OB. Personality Job Fit Theory.</p> <p>Learning: Definition, Theories of Learning, Individual Decision Making, classical conditioning, operant conditioning, social learning theory, continuous and intermittent reinforcement.</p>			
Module-3			
<p>Perception: Meaning, Process of perception, factors influencing perception, link between perception and individual decision-making.</p>			
Module-4			
<p>Motivation: Maslow's Hierarchy of Needs theory, Mc-Gregor's theory X and Y, Herzberg's motivation Hygiene theory, David Mc-Clelland's three needs theory, Victor Vroom's expectancy theory of motivation.</p> <p>Leadership: Meaning, styles of leadership, leadership theories, trait theory, behavioural theories, managerial grid, situational theories.</p>			
Module-5			
<p>Group Behavior: Definition and classification of groups, Factors affecting group formation, stages of group development, Norms, Hawthorne studies, group processes, group tasks, group decision making.</p>			
Course Outcomes: At the end of the course the student will be able to:			
<ol style="list-style-type: none"> 1. Demonstrate their conceptual skills understanding and application of principles and functions of management and to enable students basic understanding of dynamics of OB 2. Evaluate the global context for taking managerial actions of planning, Organizing and Controlling and application of concepts of planning like MBO and Managerial decision making. 3. The Student will demonstrate ability to analyze predicting and to control behaviour of people at work for organization effectiveness. 4. Students to develop leadership skills and ability to motivate and work in groups to achieve organizational goals. 5. Understand and demonstrate their exposure towards growing complexities and recent trends in management. 			
Question paper pattern:			
<ul style="list-style-type: none"> • The question paper will have ten full questions carrying equal marks. • Each full question will be for 20 marks. • There will be two full questions (with a maximum of four sub- questions) from each module. • Each full question will have sub- question covering all the topics under a module. • The students will have to answer five full questions, selecting one full question from each module. 			

Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
Textbook/s				
1	Organizational Behaviour	Stephen P Robbins, Timothy A. Judge, SeemaSanghi	-Pearson Education	14th Edition, 2012
2	Organization Behaviour	Ashwathappa,	Himalaya Publication House	
Reference Books				
3	Organizational Behavior	Fred Luthans	Tata Mc Graw HILL	
4	Organizational Behavior.	PG Aquinas	Excel Books	

B. E. Industrial Engineering & Management Choice Based Credit System (CBCS) and Outcome Based Education (OBE) SEMESTER - VII SUPPLY CHAIN MANAGEMENT				
Course Code	18IM753	CIE Marks	40	
Teaching Hours/Week (L:T:P)	(3:0:0)	SEE Marks	60	
Credits	03	Exam Hours	03	
Course Learning Objectives:				
<ol style="list-style-type: none"> 1. Identify the different elements of a Strategic Framework and analyse supply chains. 2. Explain the elements in the design of supply chain networks. 3. Demonstrate the facilities location for designing the supply chain network 4. Determine the inventories for supply chains. 5. Recognize emerging concepts for supply chain networks 				
Module-1				
BUILDING A STRATEGIC FRAME WORK TO ANALYSE SUPPLY CHAINS: Supply chain stages and decision phase, process view of a supply chain. Supply chain flows. Examples of supply chains. Competitive and supply chain strategies. Achieving strategic fit. Expanding strategic scope. Drivers of supply chain performance. Framework for structuring drivers – Inventory, Transportation, Facilities, Information. Obstacles to achieving fit.				
Module-2				
DESIGNING THE SUPPLY CHAIN NETWORK: Distribution Networking – Role, Design. Supply Chain Network (SCN) – Role, Factors, Framework for Design Decisions.				
Module-3				
FACILITY LOCATION AND NETWORK DESIGN: Models for facility location and capacity allocation. Impact of uncertainty on SCN – discounted cash flow analysis, evaluating network design decisions using decision trees. Analytical problems.				
Module-4				
PLANNING AND MANAGING INVENTORIES IN A SUPPLY CHAIN: Review of inventory concepts., Concepts of Safety Inventory, Concept of Aggregation of Inventory, Concept of product availability.				
Module-5				
EMERGING CONCEPTS: Reverse Logistics, Reasons, Activities, Role. RFID Systems; Components, applications, implementation. Lean supply chains, Implementation of Six Sigma in Supply Chains.				
Course Outcomes: At the end of the course the student will be able to:				
<ul style="list-style-type: none"> • Recall the elements involved in strategic frame work and analysis of supply chains. • Demonstrate the elements involved in the design of supply chain networks • Demonstrate the facilities location for designing the supply chain network • Evaluate the inventories for supply chains. • Identify emerging concepts for supply chain networks. 				
Question paper pattern:				
<ul style="list-style-type: none"> • The question paper will have ten full questions carrying equal marks. • Each full question will be for 20 marks. • There will be two full questions (with a maximum of four sub- questions) from each module. • Each full question will have sub- question covering all the topics under a module. • The students will have to answer five full questions, selecting one full question from each module. 				
Sl No	Title of the Book	Name of the Author/s	Name of the Publisher	Edition and Year
Textbook/s				
1	Supply Chain Management – Strategy, Planning & Operation	Sunil Chopra & Peter Meindl	Pearson Education Asia - ISBN: 81-7808-272-1	2001.
2	Supply Chain Redesign – Transforming Supply Chains	Robert B Handfield,	Pearson Education Inc - ISBN: 81-297-0113-8	2002

Reference Books				
3	Supply Chain and Logistics Management	Upendra Kachuru		
4	Modelling the Supply Chain	Jeremy F Shapiro,	Thomson Learning ISBN 0-534-37363	2002.
5	Designing & Managing the Supply Chain	David Simchi Levi, Philip Kaminsky & Edith Simchi	McGraw Hill	

B. E. Industrial Engineering & Management			
Choice Based Credit System (CBCS) and Outcome Based Education (OBE)			
SEMESTER - VI			
DATA ANALYTICS FOR ENGINEERS			
Course Code	18IM652	CIE Marks	40
Number of Lecture Hours/Week (L:T:P)	3:0:0	SEE Marks	60
Credits	03	Exam Hours	03
Course Learning Objectives:			
Understand data input and accessing data using R			
Representation of data in graphical form			
Analyzing data using probability and statistics			
Inference of data using correlation and regression analysis.			
Module-1			
Introduction to R: Introduction R as a statistical software and language, R as a calculator, R preliminaries, Methods of data input, Data accessing or indexing, Some useful built-in functions, Graphics with R, Getting help, saving, storing and retrieving work, Exercises and solutions to exercises.			
Module-2			
Descriptive Statistics: Introduction, Diagrammatic representation of data, Graphical representation of data, Measures of central tendency, dispersion, skewness and kurtosis, Selection of representative samples, Exercises and solutions to exercises.			
Module-3			
Probability and probability distributions: Introduction, Probability: Definitions and properties, probability distributions, some special discrete distributions, continuous distributions, Exercises and solutions to exercises.			
Module-4			
Statistical Inference: Introduction, Sampling distribution of sample mean, Estimation of parameters, Plots to check normality, Hypothesis testing, Goodness of fit tests, Exercises and solutions to exercises.			
Module-5			
Correlation and Regression analysis: Introduction, Correlation, Inference procedures for correlation coefficient, Linear regression, Inference procedure for simple linear model, validation of linear regression model, Transformation of the variables, Polynomial regression models, Exercises and solutions to exercises.			
Course Outcomes: At the end of the course, the student will be able to:			
CO1: Make use of various data analysis techniques and derive conclusions.			
CO2: Make use of descriptive and inferential statistical techniques for data analysis.			
CO3: Perform exploratory data analysis on a given set of data including visualization techniques.			
CO4: Build regression models and use them for prediction.			
CO5: Build time series models and use them for prediction.			
Question paper pattern:			
<ul style="list-style-type: none"> • The question paper will have ten full questions carrying equal marks. • Each full question will be for 20 marks. • There will be two full questions (with a maximum of four sub- questions) from each module. • Each full question will have sub- question covering all the topics under a module. • The students will have to answer five full questions, selecting one full question from each module. 			
Text Books:			
1“Statistics using R”, Sudha G. Purohit, Sharad D. Gore and Shailaja R. Deshmukh, Narosa Publications, second edition -2015.			
Reference Books:			
1. “R for Data Science”, Dan Toomey, PACKT Publishing, 2014.			
2. “Practical Data Science wit R”, Nina Zumel, John Mount, Manning Publications, 2014.			
3. “Building a recommendation System with R”, Suresh R Gorakala, Michelle Usuelli, PACKT Publishing, 2015.			
4. “Learning Predictive Analytics with R”, Eric Mayor, PACKT Publishing, 2015.			
5. “Data Analytics with Open Source Tools”, Philip K Janert, O’Reilly, 2010.			
6. “Data Mining: Concepts and Techniques”, Jiawei Han, Micheline Kamber, Jian Pei, The Morgan Kaufmann Series in Data Management Systems, 3 rd Edition, 2011.			

B. E. Industrial Engineering & Management Choice Based Credit System (CBCS) and Outcome Based Education (OBE) SEMESTER - VI																													
ENGINEERING ECONOMY																													
Course Code	18IM653	CIE Marks	40																										
Teaching Hours/Week (L:T:P)	(3:0:0)	SEE Marks	60																										
Credits	03	Exam Hours	03																										
Course Learning Objectives:																													
<ul style="list-style-type: none"> Define the fundamentals of engineering economics. Explain the concepts of decision making, problem solving, and comparison of the alternatives Demonstrate the understanding of concept depreciation and replacement analysis. Illustrate concept of money and its importance in evaluating the engineering projects. Evaluate the alternatives based on the present annual worth and equivalent annual worth methods. 																													
Module-1																													
Introduction: Engineering decision – makers, engineering and economics, problem solving, intuition and analysis, tactics and strategy with an example.																													
Interest and Interest Factors: Interest rate, simple interest compound interest, interest formulae, time value equivalence exercises, problems and discussion.																													
Module-2																													
Present Worth Comparison: Conditions for present worth comparisons, rule 72, basic present worth comparisons, present worth equivalence, net present worth, assets with equal and unequal lives, comparison of assets assume to have infinite lives, exercises and problems.																													
Module-3																													
Equivalent Annual Worth Comparisons: Situations for equivalent annual worth comparison, net annual worth of a single project, comparison of net annual worth's definitions of asset life, comparison of assets with equal and unequal lives, exercises and problems.																													
Module-4																													
Depreciation: Introduction, methods of depreciation, problems.																													
Replacement Analysis: Reasons- Deterioration, obsolescence, inadequacy, replacement criteria problems.																													
Module-5																													
Estimating and Costing: components of costs such as direct material cost, direct labor cost, Fixed, over – heads, factory costs, administrative – overheads, first cost, selling price, calculation of the total cost of various components, mensuration, estimation of simple components																													
Course Outcomes: At the end of the course the student will be able to:																													
<ol style="list-style-type: none"> Demonstrate the importance of Engineering Economy in engineering decision making. Compare the various alternatives based on economy fundamentals. Compare of asset life using net annual worth - assets with equal and unequal lives. Apply concepts of depreciation and find the value of assets. Demonstrate skills in replacement decisions. Estimate the cost of engineering operations and processes by determining the elements of cost. 																													
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2	Engineering Economy	NVR. Naidu, KM Babu and	New Age InternationalPvt. Ltd	2006.																									
Reference Books																													



HOD MECH <hod_mech@sirmvit.edu>

Feedback about 2021 Scheme_Mechanical Engineering Board

Vadiraj Katti <katti.vadiraj@gmail.com>
To: HOD MECH <hod_mech@sirmvit.edu>

Fri, Jan 21, 2022 at 9:16 AM

Thank you Professor for the opinion expressed on ME scheme of 2021.
With in the constraints it is tried for inclusion of courses, theory and lab.

***It was opined to cover theoretical concepts of Mechanical**

Measurements and metrology in the laboratory only* In addition, only relevant experiments have to be conducted in laboratory.

However, your suggestions will be highly appreciated and discussed favorably during BOS ME Board meeting.

Regards

[Quoted text hidden]



PROFESSOR & HEAD
Department of Mechanical Engineering
Sir M. Visvesvaraya Institute of Technology
Bengaluru-562 157



Bala Kumar MECHANICAL <drgbalakumar_mech@sirmvit.edu>

Fwd: Regarding feedback on draft of 4th semester scheme of teaching and examination(2022)

2 messages

Dr. Suma Swamy COMPUTER SCIENCE <sumaswamy_cs@sirmvit.edu>
To: drgbalakumar_mech@sirmvit.edu

Tue, Sep 19, 2023 at 10:55 PM

----- Forwarded message -----

From: Dr. Suma Swamy COMPUTER SCIENCE <sumaswamy_cs@sirmvit.edu>
Date: Wed, 28 Jun 2023, 3:45 pm
Subject: Regarding feedback on draft of 4th semester scheme of teaching and examination(2022)
To: <sbhvtuso@yahoo.com>, <sanjay.ha@msrit.edu>

Respected Sir/Madam,

As per the draft scheme for 4th semester for **Course and Course Code : PCC/BSC BCS401 with Course Title: Analysis & Design of Algorithms**, there is no laboratory component which is important for this core subject of Computer Science and Engineering. This is also very important for placement. Hence I request you to include Laboratory for this course.

Thanking You .

Enclosure: draft Scheme of 4th semester -2022

With Regards,

Dr. SUMA SWAMY

Professor,

Department of Computer Science and Engineering

Sir M. Visvesvaraya Institute of Technology,

Krishnadevarayanagar,

International Airport Road,

Via Yelahanka

Bengaluru- 562157

Residence

#15, EAST LINK ROAD,

"A" STREET, MALLESHWARAM,

BENGALURU - 560003

PHONE: RES. 9886832115 OFF. 28467248,28477024/25/26/27 Extn: 162

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ORCID ID: 0000-0002-6207-5898

GOOGLE SCHOLAR: <https://scholar.google.com/citations?user=wdV2x1AAAAAJ&hl=en>

SCOPUS ID: 57222536206

AICTE ID: 1-466225137

VTU Research SUPERVISOR ID: VTU0817538

Researcher ID: AAK-6977-2021

VidwanID: 222538

Microsoft Academic ID:<https://bit.ly/3lCeJm9>Microsoft Search ID: <https://bit.ly/3jxmRBE>**Department Vision and Mission**

Vision : To build a center for imparting quality technical education and carrying out research activity to meet the current and future challenges in the domain of Computer Science & Engineering.

Mission

M1 : The computer science and engineering department strives for excellence in teaching, applying, promoting and imparting knowledge through comprehensive academic curricula.

M2 : Train students to effectively apply the knowledge to solve real-world problems, thus enhance their potential for a life-long high-quality career and give them a competitive advantage in the ever-changing and fast-paced computing world.

VARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
B.E. in Computer Science and Engineering
Scheme of Teaching and Examinations 2022
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)
(Effective from the academic year 2023-24)

IV SEMESTER

Sl. No	Course and Course Code		Course Title	Teaching Department (TD) and Question and Question Paper Setting Board (PSB)	Teaching Hours /Week				Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Self -Study	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	PCC/BSC	BCS401	Analysis & Design of Algorithms	TD: CS PSB : CS	3	0	0		03	50	50	100	3
2	IPCC	BCS402	Microcontrollers	TD: CS PSB : CS	3	0	2		03	50	50	100	4
3	IPCC	BCS403	Database Management Systems	TD: CS PSB : CS	3	0	2		03	50	50	100	4
4	PCCL	BCSL404	Analysis & Design of Algorithms Lab	TD: CS PSB : CS	0	0	2		03	50	50	100	1
5	ESC	BCS405x	ESC/ETC/PLC	TD: CS/Maths PSB : CS/Maths	2	2	0		03	50	50	100	3
6	AEC/ SEC	BCS456x	Ability Enhancement Course/Skill Enhancement Course- IV	TD and PSB: Concerned department	If the course is Theory				01	50	50	100	1
					1	0	0						
					If the course is a lab				02				
					0	0	2						
4	BSC	BBOK407	Biology For Engineers	TD / PSB: BT, CHE,	2	0	0		03	50	50	100	2
7	UHV	BUHK408	Universal human values course	Any Department	1	0	0		01	50	50	100	1
9	MC	BNSK459	National Service Scheme (NSS)	NSS coordinator	0	0	2			100	---	100	0
		BPEK459	Physical Education (PE) (Sports and Athletics)	Physical Education Director									
		BYOK459	Yoga	Yoga Teacher									
Total									500	400	900	19	

PCC: Professional Core Course, **PCCL:** Professional Core Course laboratory, **UHV:** Universal Human Value Course, **MC:** Mandatory Course (Non-credit), **AEC:** Ability



HOD CIVIL <hod_civil@sirmvit.edu>

(no subject)

Dr. Balakrishna H B <balubit@gmail.com>
To: HOD CIVIL <hod_civil@sirmvit.edu>
Cc: "rameshrantaval@gmail.com" <rameshrantaval@gmail.com>

Wed, May 3, 2023 at 6:38 PM

Thanks for the mail.

[Quoted text hidden]

With Regards

Dr. H. B. BALAKRISHNA

Member - VTU Academic Senate

Chairman - BOS (CV/TR/EV/CC) VTU

Dean Academics - BIT

Professor and Head,

Department of Civil Engineering,
Bangalore Institute of Technology,

K R Road, V V Pura,

Bangalore - 560004

Mobile: +919845395535

e-mail: balubit@gmail.com



Bala Kumar MECHANICAL <drgbalakumar_mech@sirmvit.edu>

Fwd: Action Taken Report for the feedback received on Schemes of Computer Science and its alide Programs

1 message

Dr. Suma Swamy COMPUTER SCIENCE <sumaswamy_cs@sirmvit.edu>
To: drgbalakumar_mech@sirmvit.edu

Tue, Sep 19, 2023 at 10:56 PM

----- Forwarded message -----

From: Dr. Sanjay H A <sanjay.ha@msrit.edu>

Date: Mon, 17 Jul 2023, 11:37 am

Subject: Action Taken Report for the feedback received on Schemes of Computer Science and its alide Programs

To: Dr. Sanjay H A <sanjay.ha@msrit.edu>

Cc: Sadashiv Halbhavi <sbhvtuso@yahoo.com>, VTU VTU <vtubos23@gmail.com>, VTU Belagavi Registrar <registrar@vtu.ac.in>

Dear Sir/Madam,

On behalf of the Members of BoS, I thank all the the professors who took the time to provide input on the draft schemes for Computer Science and its related programmes. On July 5th, 2023, a BoS Meeting was held to review the feedback. Valid ideas were evaluated, and the schemes were changed accordingly. Kindly find the action taken report.

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Thanking You
With Best Regards

—
Dr. Sanjay H A
Professor & Head
Department of Information Science and Engg.
M S Ramaiah Institute of Technology
Bangalore - 560054.
Ph-9342560303

Action_Taken_Report_Feedback_VTU Scheme.pdf
312K

Bangalore Institute of Technology	ISE	6 th and 7 th	Open Elective Course	suggestion to include Information Science Branch specific subjects related to Management and Networking in the Open Elective Course for Sixth and Seventh Semester scheme as per 2022 scheme of VTU	Not recommended
Sir M V IT	CSE(IOT)	3 rd Sem		Digital design and computer organization subject has been included IPCC BCO302: Digital Design & Computer Organization subject with 3 hours of teaching and 2 hours for practical. It becomes difficult to execute lab and to cover up the subject portion framed for each module. we are suggesting to reduce the portion framed for the subject.	BoS will add theory contents for 42 Hours. Lab components are simulation based. Lab components may be from Virtual Labs (https://www.vlab.co.in/)
Sir M V IT	CSE	3 rd Sem		As per the draft scheme for 4th semester for Course and Course Code: PCC/BSC BCS401 with Course Title: Analysis & Design of Algorithms, there is no laboratory component which is important for this core subject of Computer Science and Engineering. This is also very important for placement. Hence I request you to include Laboratory for this course.	BCSL404 - ADA Lab is present in the existing scheme.

Sir M V IT	CSE	5 th Sem	Computer Network	<p>With reference to the above subject Computer Network (IPCC BCS502). The following prerequisites are:</p> <ol style="list-style-type: none"> 1. Data Communication subject needs to be taught in 4th semester else students will find it tough to follow Computer Network in 5th sem. 2. Combining the lab with theory will burden syllabus coverage. 3. There should be an external practical exam. 	<p>There is no available slot for Data Communication. The CN course will cover all of the essential Layers.</p> <p>BoS will update the theory content for 42 Hours.</p> <p>The components of the lab are based on simulation.</p>
Sir M V IT	CSE	4 th Sem	Microcontrolle rs	<p>feedback: 1) External practical exam will be more effective in evaluation of practical part than questions from the practical part of IPCC included in the SEE question paper.</p> <p>2) Combining Practical (2 hours) with theory will be more burden for syllabus coverage</p>	<p>We are unable to provide a separate lab due to credit constraints.</p>
T. John Institute of Technology (TJIT)	CSE	3rd	Digital Design & Computer Organization	<p>The potential impact on student's workload when combining two courses is not reasonable and manageable for the students</p>	<p>We combined the courses due to credit constraints. Workload will be addressed when developing the contents.</p>
T. John Institute of Technology (TJIT)	CSE	3rd	Ability Enhancement Course/Skill	<p>Including MS-Office can be beneficial for students. Students can learn to create professional reports</p>	<p>During the Induction Programme, Microsoft Office may be covered.</p>

BoS in CS/IS , VTU

Feedback on Scheme of Computer Science Allied Programs

College Name	Program Name	Sem	Course Code / Title	Suggestion	BOS Recommendation/Justification
R. R. Institute of Technology	CSE	3rd	ESC/ETC/PLC Oop's with Java Oops with C++	To add another 2 from below courses: 1. Web Technology 2. Python 3. Java If the students have not opted in 1 st year, they will have chance to opt in 3rd semester.	Students must understand Object Oriented Concepts. As lab components, students will leverage Python and web technology topics from other courses.
R. R. Institute of Technology	CSE	4th	1. Discrete Mathematical Structures 2. Graph Theory 3. Optimization Technique	To add 1 from below courses: 1. Probability and Statistics 2. Operational Research & Statistics 3. OR & Analytics	OR and Optimization Technique are nearly identical. Mathematics covers probability and statistics.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
B.E. in Computer Science and Engineering
Scheme of Teaching and Examinations 2021
Outcome-Based Education(OBE) and Choice Based Credit System (CBCS)
(Effective from the academic year 2021 - 22)

IV SEMESTER

Sl. No	Course and Course Code	Course Title	Teaching Department (TD) and Question and Paper Setting Board (PSB)	Teaching Hours /Week					Examination			Credits
				Theory Lecture	Tutorial	Practical/ Drawing	Self-Study	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	T	P	S					
1	BSC 21CS41	Mathematical Foundations for Computing	Maths	2	2	0		03	50	50	100	3
2	IPCC 21CS42	Design and Analysis of Algorithms	Any CS Board Department	3	0	2		03	50	50	100	4
3	IPCC 21CS43	Microcontroller and Embedded Systems		3	0	2		03	50	50	100	4
4	PCC 21CS44	Operating Systems		2	2	0		03	50	50	100	3
5	AEC 21BE45	Biology For Engineers	BT, CHE, PHY	2	0	0		02	50	50	100	2
6	PCC 21CSL46	Python Programming Laboratory	Any CS Board Department	0	0	2		03	50	50	100	1
7	HSMC 21KSK37/47	Samskrutika Kannada	HSMC	1	0	0		01	50	50	100	1
	HSMC 21KBK37/47	Balake Kannada										
	OR											
	HSMC 21CIP37/47	Constitution of India & Professional Ethics										
8	AEC 21CS48X/21CSL48X	Ability Enhancement Course- IV	TD and PSB: Concerned department	If offered as theory Course				01	50	50	100	1
				1	0	0						
				If offered as lab. course				02				
				0	0	2						
9	UHV 21UH49	Universal Human Values	Any Department	1	0	0		01	50	50	100	1
10	INT 21INT49	Inter/Intra Institutional Internship	Evaluation By the appropriate authorities	Completed during the intervening period of II and III semesters by students admitted to first year of BE./B.Tech and during the intervening period of III and IV semesters by Lateral entry students admitted to III semester.				3	100	--	100	2
Total								550	450	1000	22	

Course prescribed to lateral entry Diploma holders admitted to III semester of Engineering programs

1	NCCM 21MATDIP41	Additional Mathematics - II	Maths	02	02	--	--	--	100	--	100	0
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Note: BSC: Basic Science Course, IPCC: Integrated Professional Core Course, PCC: Professional Core Course, AEC –Ability Enhancement Courses, HSMC: Humanity and Social Science and Management Courses, UHV- Universal Human Value Courses.

L –Lecture, T – Tutorial, P- Practical/ Drawing, S – Self Study Component, CIE: Continuous Internal Evaluation, SEE: Semester End Examination.

21KSK37/47 Samskrutika Kannada is for students who speak, read and write Kannada and 21KBK37/47 Balake Kannada is for non-Kannada speaking, reading, and writing students.

Integrated Professional Core Course (IPCC): Refers to Professional Theory Core Course Integrated with Practical's of the same course. Credit for IPCC can be 04 and its Teaching – Learning hours (L : T : P) can be considered as (3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from practical part of IPCC shall be included in the SEE question paper. For more details the regulation governing the Degree of Bachelor of Engineering /Technology (BE/B.Tech.) 2021-22 may be referred.

Non – credit mandatory course (NCCM):

Additional Mathematics - II:

(1) Lateral entry Diploma holders admitted to III semester of B.E./B.Tech., shall attend the classes during the IV semester to complete all the formalities of the course and appear for the Continuous Internal Evaluation (CIE). In case, any student fails to register for the said course/fails to


 Dr. Nagashettappa Biradar

Compose

Inbox 901

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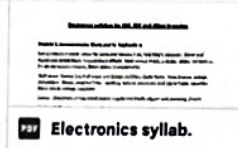
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Sent

Drafts 68

More

Labels



Nagashetty Biradar <nmbiradar@gmail.com>
to me

Thank you for your response. So kind of you please

Prof. Nagashettappa Biradar,
Member, Academic Senate, VTU, Belagavi,
Chairman, BoS of ECE, VTU, Belagavi,
Member, BoS of EE, VTU, Belagavi
Principal, BKIT, Bhalgi
Administrator, SVE Society, Bhalgi,
VTU Nominee, Governing Council, SECAB, Bijapur
Vice-Chairman, IETE Regional Sub-Centre, Gulbarga
Member, MPCC, VTU, Belagavi
Contact Number: 9449822128/09448505353



supriya vedagiri <supriyavg2019@gmail.com>
to Nagashetty

Dear Sir,

As per my opinion, for IT branches basic electronic devices and their characteristics, Embedded systems, Basic sensors and actu

With regards

Dr Supriya V G

On Mon, 31 Oct 2022 at 15:44, supriya vedagiri <supriyavg2019@gmail.com> wrote:

Dear Sir,

Thank you for your wishes and sorry for the delayed response.

Also, Thank You and it is my honour for considering me for giving suggestions on Possible syllabus for Electronics to be studied

 Gmail

 Dr. Nagashettappa Biradar

Compose

Inbox 901

Starred

Snoozed

Sent

Drafts 68

More

Labels

Suggestions for revamping of syllabus Inbox x



Nagashetty Biradar <nmbiradar@gmail.com>
to me

Dear Sir,

Subject: Revamping of syllabus for BE 1 year

Happy Diwali.

I request you to give your suggestions on possible syllabus for Electronics to be studied by students in BE 1 year. What should be different modules and syllabus? Application based electronics for non-IT branches. What should be the syllabus for Electronics for IT related branches and non IT branches. Mostly, syllabus is to be prepared department wise. Your suggestions will be highly appreciated and valuable to me. Looking forward to hearing from you please.

With warm regards,



supriya vedagiri <supriyavg2019@gmail.com>
to Nagashetty

Dear Sir,

Thank you for your wishes and sorry for the delayed response.

Also, Thank You and it is my honour for considering me for giving suggestions on Possible syllabus for Electronics to be studied by

Sir,

I am hereby attaching suggested syllabus for ECE,EEE and allied Electronics UG programmes.

Since the students admitted to 1 year BE, ECE/EEE through CET is not restricted with the PUC with PCME only. PCMB backgrou

Thank You

With Regards

Dr Supriya V G

Professor, Dept. of ECE
SIR MVIT, Bangalore

One attachment • Scanned by Gmail

