SCHOOL OF BIOLOGICAL SCIENCES

DEPARTMENT OF BIOCHEMISTRY

MINUTES OF THE BOARD OF STUDIES IN BIOCHEMISTRY HELD ON 14.03.2020

The Board of studies meeting of the Biochemistry department was held on **14 MAR 2020 at 11:45 AM**. The following members were present. The head of the department Prof. T. Antony DiwakarChandran welcomed the University representative, Dr. Antony Joseph Velankanni, the subject expert Dr. Suguna Bai from SRC College, Trichy, the alumni Mr. Mailraj and the other members of the board.Prof.A.BennoSusaiVijayakumar read out the content of the courses during the review process. Minor corrections were made on the following courses.

- Molecular Biology
- Developmental Biology
- Lab course I
- Microbiology
- Lab course II
- Clinical Biochemistry
- Advanced Endocrinology

The Title of the course "Research Methodology" should be changed to "Analytical Biochemistry and Research methodology" since this title is more representative of the contents.

The value added course "Diet Therapy" is continued. Finally, the content of the syllabus was approved by the members of the board. The meeting came to the end by 1:45PM.
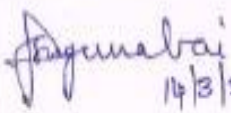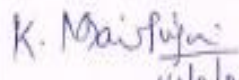
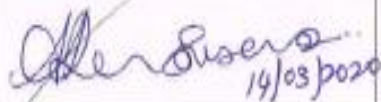**Members of the Biochemistry BoS Meeting, Held on 14 MAR 2020**

1. Dr .A. Antony Joseph Velankanni- University representative
2. Dr. J. Suguna Bai (SR College, Trichy) - Subject expert
3. Mr. K. Mail Raja (NRCB Trichy) – Alumni (2016-18)
4. Prof. T. Antony DiwakarChandran – The Chairman
5. Prof. A. Benno SusaiVijayakumar –Member
6. Ms. Hemalatha (II M.Sc., Biochemistry) – Student representative

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002

BOARD OF STUDIES IN BIOCHEMISTRY HELD ON 14.3.2020

MEMBERS PRESENT

SI. No.	Name	Signature
01.	Dr. A. Antony Joseph Velankanni Assistant Professor Department of Biochemistry Bharathidasan University Tiruchirappall – 620 024.	14/3/2020
02.	Dr. J. Suguna Bai *chemistry* Head, Dept. of Biotechnology Seethalakshmi Ramasamy College Tiruchirappalli – 620 002	Sugunabai 14/3/2020
03.	Mr. Antony Joe Zonal Branch Manager 19, Kavitha Illam 18th Cross, Kumaran Nagar Vayalur Road, Tiruchirappalli – 620 017.	– ABSENT –
04.	Mr. K. Mail Raja (ACCESS HEALTH CARE) 11/141, Nadakkapatty, Thogaimalai (PO), Kulithalai TK Karur District	K. Mairuju 14/3/2020
05.	Mr. T. Antony Diwakar Chandran Head of the Department	1403 2020
06.	Mr. A. Benno Susai Vijayakumar	14/03/2020
07.	Mr. P.G. Geegi	– ABSENT –

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DEPARTMENT OF BIOTECHNOLOGY
MINUTES OF THE BOARD OF STUDIES IN BIOTECHNOLOGY HELD ON 14.03.2020

The Board of Studies meeting for M. Sc and M. Phil syllabus revision was held on 14/03/20 at 11.45 am in the Department of Biotechnology, St. Joseph's College, Trichy - 2. The chairman welcomed the board members. The University nominee, Dr. M. Manickavasagam, (Associate Professor, Department of Biotechnology and Genetic Engineering, Bharathidasan University, Trichy); Mr. J. Dinesh Raja (Assistant Professor, Department of Biotechnology, Bishop Heber (Autonomous), Trichy); Mr. P. Anand (Process Lead, Omega Health Care Management, Tiruchirappalli) was absent; Mrs. A. Asha Monica (Alumnus & Ph. D scholar, Dept. of Botany, St. Joseph's College, Trichy - 2) and the faculty members of the Biotechnology Department attended the meeting.

The M. Sc syllabus was placed before the board. The board members went through it and discussed elaborately.

Dr. M. Manickavasagam (University Representative) has suggested

(1) The segregation of topics in Recombinant DNA Technology paper (Viral vectors for Plants and animals respectively).

(2) Removal of Bacterial gene expression & merging of transformation of bacteria by Calcium chloride with Blue-white screening methods in Laboratory Course II paper

(3) Removal of Animal cell culture vaccines in Unit 5 of Microbial Biotechnology paper and

(4) Inclusion of Molecular Assistant Selection and Breeding in Unit 3 of Plant and Animal Biotechnology paper.

Mr. J. Dinesh Raja (Subject Expert) has insisted:

(1) The removal of "Growth factors – erb, sis. Transcription factors – Fos, JUN, AP1, V-erbA in
   Unit IV of Cell signalling paper.

(2) Inclusion of "Regression analysis" in Unit IV of Bioinstrumentation & Research Methodology paper.

(3) Inclusion of "Synthetic seeds preparation" experiment in the Laboratory Course V.

(4) Removal of Embryo/Endosperm culture experiment in the Laboratory Course V.

(5) Inclusion of Food processing industries in Unit IV of Food Biotechnology paper.

Ms. A. Asha Monica (Alumni) has suggested:

(1) The inclusion of "SPSS" in the Laboratory Course III.

(2) Removal of "animal vectors" in the Unit IV of Plant and Animal Biotechnology paper.

The Faculties of Biotechnology has insisted

(1) Removal of "surface reactors" in Unit II of Microbial Biotechnology paper.

(2) Inclusion of "sequence algorithms" in Unit IV of Bioinformatics.

(3) Change of IDC (WS) course title "Medical Biotechnology" to "Medical Biotechnology and Cancer Biology" in Semester III.

(4) Shuffling of Unit III contents (Food spoilage) to Unit II in Food Biotechnology paper.

(5) Expansion of SPC as "Standard plate count" in Laboratory course IV.

There is no change in the M. Phil syllabus contents. The syllabus is unanimously accepted by the stakeholders.

The Stake holders insisted to follow the previous marks pattern (Practical and Viva voce examinations) for PG degree and suggested no changes in the evaluation pattern.

The Previous Value added course will be continued for the next Academic year 2020-2021.

The M. Sc syllabus is modified as per the discussions made, circulated among the board members and approved.

Finally the chairman proposed vote of thanks and the meeting came to an end at 1:00 pm.

(1) Dr. A. Edward – Head & Chairman

(2) Dr. M. Manickavasagam   (University Representative)

Associate Professor, Department of Biotechnology,

Bharathidasan University, Tiruchirappalli

(3) Mr. J. Dinesh Raja (Subject Expert)

Assistant Professor,

Department of Biotechnology,

Bishop Heber College (Autonomous), Tiruchirappalli

(4) Mr. P. Anand Babu, (Industrial Expert)

Process Lead, Omega Health Care Management, Tiruchirappalli.
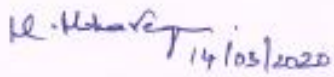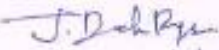
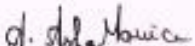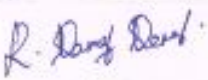**(5) Ms. A. Asha Monica (Alumni),** Ph.D Scholar,

Department of Botany, St. Joseph's College (Autonomous)

Trichy – 620 002.

Department Staff Members

1. Dr. R. Kamaraj Kennedy, Assistant Professor
2. Dr. V. Swabna, Assistant Professor
3. Prof. D. Amutha, Assistant Professor

Based on the suggestions given by the stake holders, the M. Sc and M. Phil syllabus is approved.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN BIOTECHNOLOGY HELD ON 14.3.2020
MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. M. Manickavasagam Assistant Professor Dept. of Biotechnology and Genetic Engineering Bharathidasan University Tiruchirappalli - 24	14/03/2020
02.	Mr. J. Dinesh Raja Assistant Professor Dept. of Biotechnology Bishop Heber College, Puthur Tiruchirappalli – 620 017	14/03/2020
03.	Mr. P. Anand Babu Process Lead, Omega Health Care Mgt. III Floor, Raja Trade Centre 6/3, Bharathiar Salai, Cantonment, Tiruchirappalli – 620 001	ABSENT
04.	Ms. Asha Monica Ph.D. Scholar, Dept. of Botany, St. Joseph's College, Tiruchirappalli – 620 002.	14/03/2020.
05.	Dr. A. Edward Head of the Department	
06.	Dr. R. Kamaraj Kennedy	
07.	Dr. V. SWABNA	
08	D. AMUTHA.	

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DEPARTMENT OF BOTANY

MINUTES OF THE BOARD OF STUDIES IN BOTANY HELD ON 12.03.2020

Meeting called by: Dr.S.R. Senthilkumar (HoD)
Members in attendance:
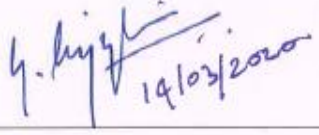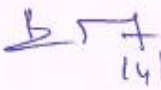*Dr. SSS, Dr. KR, Dr.ESR, Dr. SSR, Dr.TFX, Dr.MFS, Dr.HDR, Dr. YJK, Dr. JKT, Dr. SA &*
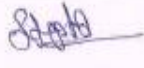*Dr. BC*
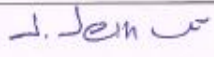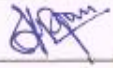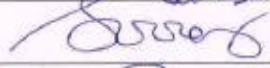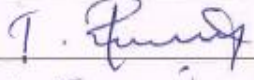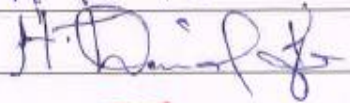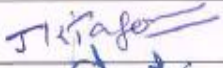
- Meeting started with silent prayer.
- The HoDwelcomed the external experts and student representatives.
- Briefed about the pre-BoS meeting and the changes.
- Dean congratulated the Department for receiving the 'Best Department Award.'
- HoD instructed the experts to carryout minor changes if necessary.
- The following changes were made:

S.No.	Semester	Subject	Unit No.	Corrections made
1.	UG I	Algae and Bryophytes	4	Bryophytes – General Characters
2.	UG I	Lab Course I	Ex.2 & 3	Interchange: Bryophytes and Fungi
3.	UG I	Allied Zoology	4	Add: Eye structure and function
4.	UG II	Pteridophytes, Gymnosperms	5	Add: Carbon Dating (After Geological Time Scale)
5.	UG II	Anatomy and Embryology	1	Rearrange: Bring content of 'Tissue' after 'Vegetative shoot apex'
6.	UG II	Anatomy and Embryology	Reference	Added
7.	UG III	Taxonomy of Angiosperms	2	ICBN → ICN
8.	UG IV	Cell Biology And Genetics	5	1. Spelling: *Homo sapians* 2. Change: Human Genome Project – Ethical and Social issues
9.	UG IV	Lab Course IV	Ex.8	Change: Extraction of Genomic DNA from Onion
10.	UG V	Biophysics And Biostatistics	2	Add: De-excitation, energy transfer and photochemistry.
11.	UG V	Biophysics And Biostatistics	3	Order Changed
12.	UG V	Ecology And Climate Change	5	Add: 'Carbon Auditing:' 1st line
13.	UG V	Ecology And Climate Change	Reference	Added
14.	UG V	Lab Course VI	Ex.3	Del: 'and water'
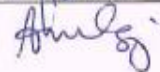
15.	UG V	Economic Botany	1	Spelling: 'rarden' → 'Garden'
16.	UG V	Biopesticides	C.Out.3	Spelling: 'moss' → 'mass'
17.	UG V	Biopesticides	C.Out.5	Change: 'virus' → 'microbes'
18.	UG VI	Plant Physiology	C.Out.	Changed
19.	UG VI	Genetic Engin. and Biotech.	5	*Bt*Brinjal
20.	UG VI	Biochemistry	1	1. Change: á & â → α & β 2. Polysaccharides: Corrected
21.	UG VI	Lab Course VIII	Ex.9 & 13	Corrected
22.	UG VI	Bionanotechnology	1	Change: solubility→ stability
23.	UG VI	Bionanotechnology	3	1. Del: SEM 2. Change: DLS and Zeta potential, X-Ray
24.	UG VI	Wood Technology	Reference	Added
25.	PG I	PD I	Title	Order Change
26.	PG I	PD II	2	Del: Diversity in
27.	PG I	Plant Anat., Embr. &…	1	Change: Cambium…
28.	PG I	Ecology &Phytogeo.	Reference	Added
29.	PG II	Lab Course IV	Ex.13	Corrected
30.	PG II	Cell And Molecular Biology	2	Del: Programmed cell death
31.	PG III	Genetics	Reference	Added
32.	PG IV	Microbio. &Immunology	3	Del: Common Immunization
33.	PG IV	Lab Course VII	Ex.6	Correction: MBRT
34.	PG IV	Lab Course VII	Ex.12	Demo.
35.	PG IV	Lab Course VII	Ex.4&7	Del.

BOARD OF STUDIES IN BOTANY HELD ON 14.3.2020

MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. D. Kanthavel Associate Professor Department of Botany Periyar EVR College Tiruchirappalli – 620 023	14/03/2020
02.	Dr. B. Muthukumar Associate Professor Department of Botany National College Tiruchirappalli – 620 001	14/3/2020
03.	Dr. S. Sasi Varier Executive Director K.S. Varier's Ayurvedics (P) Ltd Tiruchirappalli – 620 102	14/3/2020
04.	Mr. ~~C. Walter Christhuraj~~, STEPHY·P.P Ph.D. Scholar, Department of Botany, St. Joseph's College, Tiruchirappalli – 2	
05.	Dr S R Senthilkumar Head of the Department	
06.	Dr. S. Sahaya Sathish	
07.	Dr. K. Rajan	
08.	Dr. A. Egbert Selwin Rose	
09.	Dr. S. Soosai Raj	
10.	Dr. T. Francis Xavier	
11.	Dr. M. Francis Sathiyaseelan	
12.	Dr. H. David Raja	
13.	Dr. Y. Justin Koilpillai	
14.	Mr. A. Johny Kumar Tagore	
15.	Dr. S. Anusuya	
16.	Dr. Bastin Churchill	

Rev.Dr.L.John Peter Arulanandam

SCHOOL OF COMPUTING SCIENCES

DEPARTMENT OF COMPUTER SCIENCE

MINUTES OF THE BOARD OF STUDIES IN COMPUTER SCIENCE
HELD ON 12.03.2020

The Board of Studies meeting of the Department of Computer Science was held on 14/3/2020 at 11.45AM. The panel members were:

- Dr.E.George Dharma Prakash Raj,
  Assistant Professor,
  School of Computing Science, Engineering & Applications
  Bahrathidasan University,
  Khajamalai Campus
  Tiruchirappalli-620 023.

- Dr.Thamarai Selvi,
  Associate Professor and Head,
  Department of MCA,
  Bishop Heber College (Autonomous),
  Tiruchirappalli-620017.

Along with Representative from the Industry

- Mr. M.P.Tony Reagan,
  Systech Software & Networking Academy(P) Ltd,
  Tiruchirapalli-620001.

All the faculties of the Department of Computer Science (both Shift I & Shift II) except Dr. D.P.Jeyapalan were Present.

The meeting started with a silent prayer Prof.D.S.Ravi welcomed the external experts as well as the Department faculty for the Board of Studies Meeting.

- In BSc Computer Science modifications were done in the following courses:
  1. Python Programming   -17UCS530217   - Sem V
  2. Computer Networks   -17UCS630218   - Sem IV

- In MCA, modifications were done in the following courses:
  1. Core Elective I: Python-17PCA2201A - Sem II
  2. Core Elective III: Information Storage and Management- 17PCA4201B- Sem IV
  3. Big Data and Cloud Computing - 17PCA5217- Sem V

  The following Value Added Courses are to be offered by the Department:

UG/PG:2020-2021 (NEW VALUE ADDED COURSES)

S.NO	YEAR	PAPER CODE	PAPER TITLE
1.	2020-2021	20VACS01	VR and its Applications
2.	2020-2021	20VACS02	Graphics Design
3.	2020-2021	20VACS03	Multimedia Editing Techniques
4.	2020-2021	20VACS04	Robotics and IoT

With regard to the Evaluation, the Board recommends the same existing pattern. The meeting came to an end at 1.00PM.

Semester	Course code	Course name	Modification(Removed)	%
V	17UCS530217	SPL(POC): Python Programming	**Unit IV** Removed the following topics File Handling: Opening a File-Closing a File-Writing to a File-Reading from a File-File Methods-Renaming a File-Deleting a File-Directories in Python	5

Semester V   **Hours/Week:-**

17UCS530217   **Credits:2**

SPL(POC): PYTHON PROGRAMMING

Course Outcomes

After learning this course, the learner would have

1. acquired the fundamental knowledge on Python programming
2. understood the nuances of this language and hence the learner becomes skillful in Python programming
3. known the usage of modules and packages in python
4. familiarity with the file concept in Python
5. been skillful experimenting the concepts of OOPs with Python language
6. become capable of solving problems using Python

Unit-I

Introduction to Python: Features of Python-How to Run Python–Identifiers-Reserved Keywords - Variables-Comments in Python –Indentation in. Python-Multi-Line Statements-Multiple Statement Group(Suite)-Quotes in Python-Input, Output and Import Functions – Operators . Data Types and Operations: Numbers–Strings–List–Tuple–Set–Dictionary–Data type conversion.

Unit-II

Flow Control: Decision Making– Loops–Nested Loops– Types of Loops. Functions: unction Definition–Function Calling- Function Arguments- Recursive Functions- Function with more than one return value.

Unit-III

Modules and Packages: Built-in Modules – Creating Modules –import Statement Locating Modules-Namespaces and Scope- The dir() function-The reload()function – Packages in Python-Date and Time Modules. File Handling: Opening a File-Closing a File-Writing to a File-Reading from a File-File Methods-Renaming a File-Deleting a File-Directories in Python.

Unit-IV

Object Oriented Programming: Class Definition-Creating Objects- Built-in Attribute Methods-Built-in Class Attributes– Destructors– Encapsulation –Data Hiding – Inheritance- Method Overriding- Polymorphism.

Unit-V

Exception Handling: Built-in Exceptions - Handling Exceptions-Exception with Arguments-Raising an Exception - User-defined Exception - Assertion in Python. Regular Expressions: The match() function – The search() function – Search and Replace-Regular Expression Modifiers: Option Flags -Regular Expression Patterns - Character Classes-Special Character Classes- Repetition Cases– findall() method-compile()method.

Book for Study

1. Jeeva Jose and P. Sojan Lal,"Introduction to Computing and ProblemSolving with PYTHON", Khanna Book PublisingCo.(P)Ltd.,2016.

Book for Reference

1. Wesley J.Chun, "Core Python Programming", Second Edition, Prentice Hall Publication, 2006

Semester	Course Code	Course Name	CHANGES		% of changes
VI	17UCS630218	Computer Networks	**Removed the following topics:** Unit I : Evolution of computer networks, Concentrator, Terminal Handling Unit III : Ethernet, Token Ring, Token Bus, X.25 Protocol, SNA model, DNA model Unit IV: LAN Architecture Unit V: Client Server Computing, Distributed Processing: Three Tier Architecture **Text Book(Changed)** Rajesh Eswarakumar, Balasubramanian, "Computer Networks, Fundamentals and Applications", Vikas Publishing house Pvt. Ltd., 2002.	**Added the following topics:** Unit I: Addressing Unit II: Transmission Impairment, Datagram Networks, Virtual Circuit networks Unit III: Noisy and Noiseless channel, HDLC, Point to Point Protocol Unit IV: Bluetooth, Cellular networks Unit V: Frame Relay, ATM, ATM LANs, IPv4 Addresses, Ipv6 Addresses, Domain Name Space, DNS in the Internet, Electronic Mail, File Transfer, WWW Architecture. **Text Book(Changed)** Behrouz A Fourouzan, "Data Communications and Networking", McGraw Hill, 5th Edison, 2017.	**60%**

COMPUTER NETWORKS

Semester VI
17UCS630218

Hours/week: 5
Credits : 3

Course Outcomes:
After learning this course, the learner would
- *Understand the basic concepts of computer networks and learn the fundamentals of data communication*
- *Know functionalities of OSI Reference model and TCP/IP protocol suit*
- *be enlightened with the technical factors of data link layer*
- *Learn the IEEE standards for Wireless LAN*
- *To know the technical specifications of cellular telephony and satellite networks*
- *Understand the technical aspects of virtual circuit networks and to know the basics of IPv4 and IPv6 addressing*

Unit I
Data Communication – Networks – The Internet – Protocols and Standards – OSI Model- Layers in OSI Model - TCP/IP Protocol Suite – Addressing

Unit II
Analog and Digital – Digital Signals – Transmission Impairment – Performance – Multiplexing – Guided Media – Unguided Media. Switching: Circuit Switched Networks – Datagram Networks – Virtual Circuit Networks.

Unit III
Data Link Layer : Error Detection and Correction -Introduction – Block Coding : Error detection, Error correction – Data Link Control: Framing – Flow and Error Control – Protocols – Noiseless Channels – Noisy channels – HDLC – Point to Point Protocol

Unit IV
Wireless LAN: IEEE 802.11 – Bluetooth. Connecting LANs : Connecting Devices – Virtual LANs. Cellular Telephony – Satellite Networks.

Unit V:
Virtual Circuit Networks: Frame Relay – ATM – ATM LANs – IPv4 Addresses – Ipv6 Addresses. Application Layer : Domain Name Space – DNS in the Internet – Electronic Mail – File Transfer. WWW: Architecture – HTTP.

Book for Study:
1. Behrouz A Fourouzan, "Data Communications and Networking", McGraw Hill, 5th Edison, 2017

Book for Reference :
1. William Stallings "Data and Computer Communications", Pearson, 9th Edition, 2013.

Semester	Course code	Course name	Changes (Removed)	%
II	17PCA2201A	Core Elective I: Python	**Unit I** Removed topics related to Flow Control from Unit II and added here **Unit II** Removed the topics related to Modules, Packages and File Handling from Unit III and added here **Unit III** Removed topics related to Object Oriented Programming from Unit IV and added here Removed topics related to Exception Handling, Regular Expressions from Unit V and added here **Unit IV** Removed topics related to File handling Added contents related to NumPy and Pandas for data analysis **Unit V** Added contents related to visualization For Unit IV & V include new text book "Python Data Science Handbook" by Jake Vander Plas	40

Core Elective-I
PYTHON

Course Outcomes
1. To understand nuances of Python programming language
2. To solve simple problems using Python
3. To know the usage of Functions, Modules, Packages and Files in Python
4. To implement Object Oriented Concepts
5. To handle errors in Python Programs and perform pattern matching
6. To perform number crunching using NumPy in Python
7. To perform data manipulation using Pandas in Python
8. To visualize outcome of data analysis using Matplotlib in Python

Unit-I   **(10 hours)**
Introduction to Python: Features of Python - How to Run Python - Indentation in Python - Multi-Line Statements - Multiple Statement Group (Suite) - Input, Output and Import Functions. Data Types and Operations: Numbers-Strings-List-Tuple-Set-Dictionary. **Flow Control:** Decision Making-Loops-Nested Loops-Types of Loops.

Unit-II   **(14 hours)**
Functions: Function Definition-Function Calling - Function Arguments - Recursive Functions - Function with more than one return value. **Modules and Packages:** Built-in Modules - Creating Modules - import Statement - Locating Modules - Namespaces and Scope - dir() function - reload() function - Packages in Python - Date and Time Modules. **File**

Handling: Opening a File - Closing a File - Writing to a File - Reading from a File - File Methods - Renaming a File - Deleting a File - Directories in Python.

Unit-III (12 hours)

Object Oriented Programming: Class Definition - Creating Objects - Built-in Attribute Methods - Built-in Class Attributes - Destructors in Python-Encapsulation - Data Hiding-Inheritance - Method Overriding-Polymorphism. **Exception Handling:** Built-in Exceptions - Handling Exceptions - Exception with Arguments - Raising Exception - User-defined Exceptions. **Regular Expressions:** match() function - search() function - Search and Replace - Regular Expression Modifiers: Option Flags - Regular Expression Patterns - findall() method - compile() method.

Unit-IV (14 hours)

Introduction to NumPy: Basics of NumPy Array – Computation on NumPy Array – Aggregations – Broadcasting – Comparisons, Masks and Boolean Logic – Sorting Arrays – NumPy Structured Array. **Data Manipulation with Pandas**: Introducing Panda Objects – Data Indexing and Selection -   Operating Data on Pandas – Handling Missing Data – Hierrachical Indexing – Combining DataSets – Vectorized String Operations – Working with Time Series.

Unit-V (10 hours)

Visualization with Matplotlib: Simple Line Plots – Simple Scatter Plots – Visualizing Errors – Density and Contour Plots – Histograms, Binnings and Density – Customizing Plot Legends – Customising Colorbars – Multiple Subplots – Text and Annotation – Three Dimension Plotting in Matplotlib – Geographic Data with Basemap – Visualization with Seaborn

Text Book(s)
1. Jeeva Jose and P. SojanLal, "Introduction to Computing and Problem Solving with PYTHON", Khanna Book Publising Co. (P) Ltd., 2016.   Units: I, II & III
2. Jake Vander Plas, **"Python Data Science Handbook: Essential Tools for Working with**
   Data", 1st Edition, O'Reilly Media, 2016. Units: IV & V

Book for References
1. Wesley J. Chun, "Core Python Programming", Second Edition, PrenticeHall Publication, 2006.
2. Timothy A Budd, "Exploring Python", Tata McGraw Hill, New Delhi, ISBN: 9780071321228

S.No	Sem	Paper CODE	Paper title	Changes		% of Change
				Topics Removed	**Topics Added**	
2.	IV	17PCA 4201 B	Core Elective III: Information Storage and Management	**Unit I** Direct Attached Storage and Introduction to SCSI, IDE/ATA, SATA Parallel SCSI, SCSI3 Architecture, CDD Structure	**Unit I** Storage Based on Application, Disc-Native Command Queuing, Introduction to Flash Drives	
				Unit II Components of Storage System Environment, Disc Drive Components, Physical Disc Structure	**Unit II** Intelligent Storage System	
				Unit III Intelligent Storage System, Mid Range Storage System, High End Storage System	**Unit III** Fiber Channel SAN, (All topics of SAN is improved as Fiber Channel SAN)	
				Unit IV Integrated NAS, Integrated NAS Connectivity	**Unit IV** Unified NAS, Unified NAS Connectivity, Scale-Out NAS, Scale-Out NAS Connectivity (All topics of NAS improved according to the latest technologies such as Object Based and Unified Storage, CAS use cases)	**50**
				Unit V Virtualization, Storage Virtualization, SNIA Storage Virtualization Taxonomy, Storage Virtualization Configuration, Storage Virtualization Changes, Scalability, Functionality, Manageability, Support, Types of Storage, Backup Granulairty, Recovery Considerations, Backup in NAS Environment, Backup Technologies, Backup to Tape, Physical Tape in Library, Backup to Disk	**Unit V** BC Teminology, BC Planning Life Cycle, Failure Analysis, Business Impact Analysis, BC Technology solutions, Data De-Duplication for Backup, Backup in Virtualized Environment	
				Text Book: (Old) D.Somasumdaram, Alok Shrivastava, Storing, Managing and Protecting Digital Information in Classic, Virtualized and Cloud Environments", EMC Corporation, 2009. I Edition.	**Text Book:(Updated)** D.Somasumdaram, Alok Shrivastava, Storing, Managing and Protecting Digital Information in Classic, Virtualized and Cloud Environments", EMC Corporation,2012. I Edition.	

Semester IV   **Hours/Week: 4**
17PCA4203B   **Credits: 4**

Course Outcomes:
1. Awareness of Storage Architectures, including Storage Subsystems.
2. Define variety of Storage System Environments.
3. Knowledge of different RAID levels and their suitability for different applicationenvironments.
4. Understand the Characteristics and Fibre Channel Storage Area Networks
5. Define the Components of IP SAN and FCoE, Protocol Stack and FCoE frame structure
6. Describe the File Sharing Operations and Protocols on Network Attached Storage (NAS).
7. Understand the Object-Based and Unified Storage systems
8. Describe the different Backup, Recovery Topologies and their role in providing disaster Recovery, different types of Storage Virtualization and File level Virtualization.

Unit-I:
Introduction to Information Storage: Information Storage - Data - Types of Data - Big Data - Information - Storage - Evolution of Storage Architecture - Data Center Infrastructure - Virtualization and Cloud Computing. Data Center Environment - Application - Database Management System - Host - Connectivity - Storage - Disk Drive Components - Disk Drive Performance - Host Access to Data - Direct-Attached Storage - Storage Design Based on Application - Disk Native Command Queuing - Introduction to Flash Drives.

Unit-II:
Data Protection: RAID - RAID Implementation Methods - RAID Array Components - RAID Techniques - RAID Levels - RAID Impact on Disk Performance - RAID Comparison - Hot Spares - Intelligent Storage Systems: Components of an Intelligent Storage System – Storage Provisioning- Types of Intelligent Storage Systems.

Unit-III:
Fibre Channel Storage Area Networks: The SAN and Its Evolution - Components of FC SAN - FC Connectivity - Switched Fabric Ports - Fibre Channel Architecture - Fabric Services - Switched Fabric Login Types- Zoning - FC SAN Topologies - Virtualization in SAN. IP SAN and FCoE: iSCSI - FCIP - FCoE.

Unit-IV:
Network-Attached Storage: General-Purpose Servers versus NAS Devices - Benefits of NAS - File Systems and Network File Sharing - Components of NAS - NAS I/O Operation - NAS Implementations - NAS File-Sharing - Factors Affecting NAS Performance - File-Level Virtualization. Object-Based and Unified Storage - Object-Based Storage Devices - Content-Addressed Storage - CAS Use Cases - Unified Storage.

Unit-V:
Introduction to Business Continuity: Information Availability - BC Terminology - BC Planning Life Cycle - Failure Analysis - Business Impact Analysis - BC Technology Solutions. Backup and Archive: Backup Purpose - Backup Considerations - Backup Granularity - Recovery Considerations - Backup Methods - Backup Architecture - Backup and Restore Operations - ackup Topologies - Backup in NAS Environments - Backup Targets - Data Deduplication for Backup - Backup in Virtualized Environments - Data Archive - Archiving Solution Architecture.

Book for Study

1. G. Somasundaram and AlokShrivatsava (Editors): "Storing, Managing, and Protecting DigitalInformation in Classic, Virtualized, and Cloud Environments" 2nd Edition,© 2012 by EMC Corporation,John Wiley & Sons, Inc., Indianapolis, Indiana.

Books for Reference

1. Hubbert Smith, "Data Center Storage: Cost-effective strategies, implementation and management", Auerbach Publishers, 2019, **ISBN-10:** 0367382946, **ISBN-13:** 978-0367382940
2. Ulf Troppens et al, "Storage Networks Explained: Basics and Application of Fibre Channel SAN, NAS, ISCSI, INFINIB and FOCE", Wiley, 2015.**ISBN-10:** 8126557427, **ISBN-13:** 978-8126557424.
3. Greg Schulz, "Resilient Storage Networks: Designing Flexible Scalable Data Infrastructures", Digital Press (Elsevier), 2004, ISBN-10: 1555583113, ISBN-13: 978-1555583118.

Semester	Course code	Course name	Modifications	%
V	17PCA5127	Big Data and Cloud Computing	**Unit II:** Removed the following topics Approaching the SaaS Integration Enigma - SaaS integration appliances - The Enterprise Cloud Computing Paradigm: Introduction-Issues for Enterprise Applications on the Cloud-Transition Challenges - Enterprise Cloud Technology and Market Evolution.	5

BIG DATA AND CLOUD COMPUTING

Semester V   Hours/Week: 4
17PCA5127   Credits : 3

Course Outcomes

     1. Ability to appreciate the concepts of Cloud Computing and theirapplications.
     2. Ability to develop business integrated services in cloud computing.
     3. Ability to appreciate the concepts and features of Big Data.
     4. Ability to become a Big Data Analytics.
     5. Ability to Saving, Storing and Retrieving Work in R.
     6. Ability to utilize the graphical representation for data in R
     7. Ability to carry out appropriate statistical tests using R.
     8. Ability to solve statistical problems using R.

Unit-I   **(12 Hours)**
Introduction to Cloud Computing: Roots of Cloud Computing-Layers and Types of Cloud-Features of a cloud- Cloud Infrastructure Management – Infrastructure as Service providers-Platform as a Service providers – Challenges and Risks. Migrating into a Cloud: Introduction – Broad Approaches-Seven Step Model.

Unit-II   **(12 Hours)**
Integration as a Service: Introduction-Evolution of SaaS-Challenges of SaaS Paradigm—Integration Methodologies-SaaS Integration products and platforms-SaaS Integration Services-Businesses - to- Business Integration services - A Framework of Sensor-Cloud Integration.

Unit-III   **(12 Hours)**
Introduction to Big Data: Classification of Digital Data - Characteristics of Data - Evolution of Big Data - Definition of Big Data - Challenges with BigData-Concept of Big Data - Traditional Business Intelligence (BI) versus Big Data. **Big Data Analytics:** Classification of Analytics - Data Science Data Scientist –Few Top Analytics Tools. Big Data Technology Landscape: NoSQL (Not Only SQL)-Hadoop.

Unit-IV   **(12 Hours)**
Introduction to R: R as a Statistical Software and Language-R as a Calculator – R Preliminaries-Methods of Data Input-Data Accessing or indexing-Built-in Functions–Graphics With R-Saving, Storing and Retrieving Work.

Unit-V   **(12 Hours)**
Descriptive Statistics: Diagrammatic Representation of Data-Graphical representation of data-Measures of central tendency.

Books for Study
1. Rajkumar Buyya, James Broberg, and Andrzej Goscinski, "Cloud Computing: Principles and Paradigms", Published by John Wiley &Sons, Inc., 2011. (Units I and II)
2. Seema Acharya and Subhashini Chellappan, "Big Data and Analytics", Wiley India Pvt. Ltd., 2016. (Unit III)
3. Sudha G. Purohit, Sharad D. Gore, Shailaja R. Deshmukh, "Statistics Using R", Narosa Publishing House Pvt. Ltd., 2nd Ed., 2015. (Units IVand V)

Books for References
1. Kris Jamsa, "Cloud Computing", Published by Jones and Baretlett Learning, 2013.
2. Soumendra Mohanty, Madhu Jagadeesh, and Harsha Srivatsa, "Big Data Imperatives: Enterprise Big Data Warehouse, BI Implementations and Analytics", Apress Publication, 2013.
3. Judith Hurwitz, Alan Nugent, Dr. Fern Halper And Maricia Kaufman,"Big Data For Dummies", Wiley India Pvt. Ltd., 2013.

All UG and PG   **Value Added Course:**   **20VACS01**
                                     VR and its Applications   **30 hours**
Objectives
- To provide concepts to enable the students to create small VR applications.
- To impart essential skills and experiences to the students in the design and coding part of developing applications.
- To train the students to understand the operation of the application, application lifecycle, conversion of files, intents and activities.
- To make the students feel the AR-VR scenes

Unit-I :(6 hours)
   VR Devices - Software Requirements - System Requirements - Applications in VR - Introduction in Unity - Installation - Creating Projects

Unity –II: (6 hours)
   Internal Assets- Understanding Collisions-Rigid Bodies and Physics- UI Button-Materials and Shades -Using Assets Store- Adding Audios

Unity – III :(6 hours)
   Introduction in MAYA 3D- Maya interface - Modelling - Texturing - Basic animation - File conversion - Maya to Unity

Unity – IV :(6 hours)
   Introduction to C# - Basic in C# - Decision control - Looping statements - Add coding to the objects-Control Binding: Introduction to AR - Application of AR

Unity – V :(6 hours)
   App development in AR - Execution Part in VR

Book for Study:
   Sue Blackman, Jenny Wang, "Unity For Absolute Beginners", Apress,First Edition, 2014

Reference:
   Website:learn.unity.com

All UG and PG
Value Added Course:
Graphics Design

20VACS02   **(30 Hours)**
Course Objectives:
- *To Impart the students with designing skills*
- *To train the students with the techniques of graphics design*
- *To familiarize the tools used for Graphics Design*
- *To make the students entrepreneurs in the field of Graphics Design*

<u>**UNIT I**</u> **(6 hours)**
Point – Line – Plane – Rhythm and Balance – Scale and Texture

<u>**Unit II**</u> **(6 hours)**
Color – Figure/Ground – Framing - Hierarchy.

<u>**Unit III**</u> **(6 hours)**
Layers – Transparency - Modularity

<u>**Unit IV**</u> **(6 hours)**
Grid – Pattern - Diagram

<u>**Unit V:**</u> **(6 hours)**
Time and Motion – Rules and Randomness

Hands on sessions focused on :
- Web based Graphics Designs
- Media based Graphics Designs
- Printing based Graphics Designs

Book for Study:
1. Ellen Lupton and Jennifer Cole Philips, "Graphic Design – The New Basics", Princeton Architectural Press, 2008.

All UG and PG	**Value Added Course:**	**20VACS03**
	Multimedia Editing Techniques	**(30 Hours)**

Course Objectives:
- *To enlighten the students with the aspects of multimedia*
- *To acquire editing skills of multimedia*
- *To make the students to understand the editing techniques of multimedia*
- *To acquaintance the editing tools of multimedia*
- *To make the students entrepreneurs in Editing domain*

UNIT I (6 hours)
Generic Editing Tools – Free editing tools for Desktop – Free Editing Tools for Mobile Devices
Unit II (6 hours)
Editing Techniques – Editing on the Web – Multimedia Editing
Unit III (6 hours)
Audio Editing Techniques – Dos and Donts of Editing
Unit IV (6 hours)
Photo Animation Graphics – Sound Recording and Editing – Transition - Filters
Unit V: (6 hours)
Text Animation – Graphics – Story board - Movie Making – Credits
Hands on sessions focused on :
- Audio Editing and Video Editing
- Text Animation – Concept based editing
- Movie Making

Book for Study:
FastTrack to Multimedia Editing, an online tutorial, "https://www.digit.in/technology-guides/fasttrack-to-multimedia-editing.html"

All UG and PG **Value Added Course:** **20VACS04**
Robotics and IoT **30 hours**

Course Objective:

Upon successful completion of this course, the student will be able to:
- Familiar with the concept and Features of Robotics
- Understand the concept of Microcontroller and Microprocessor
- Know the fundamentals of Arduino programming
- Understand the features and application in IoT

UNIT I: (6 Hrs.)
Introduction to Robotics - Features of Robotics - Types of robots – Operators - Sensors - Switches mechanism

UNIT II: (6 Hrs.)
Introduction to Microcontroller and Microprocessor - working with Resistors and Variable resistors - Introduction to Mechanical - Types of Gears, Wheels, Motors

UNIT III: (6 Hrs.)
Introduction to Arduino programming - Fundamentals of Arduino programming - Setting up Arduino IDE - Build an Arduino IDE - Exploring the toolbars - Working with Variables, Operators - Working with Digital and Analog interface - Sensor based robots - Computer controlled robots - Wireless controlled robots - Bluetooth controlled robots

UNIT IV: (6 Hrs.)
Introduction to IoT - Features and application in IoT - Overview of IoT and High level Architecture - Programming with Embedded C - Interfacing with Sensors - Interfacing Relay - Wireless communication

UNIT V: (6 Hrs.)
Protocols in IoT - Programming Raspberry Pi - Programming with Python - Home Automation through Wireless - Introduction to NodeMCU - Connecting Arduino to cloud Programming with Python - Building IoT Applications using Raspberry Pi - IoT Cloud Infrastructure
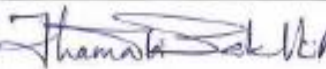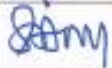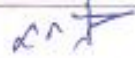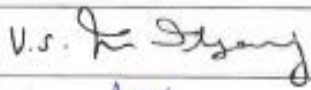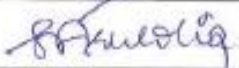
BOOKS FOR STUDY:
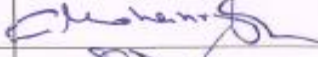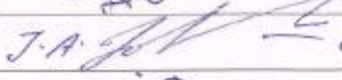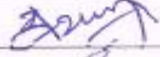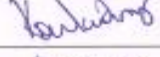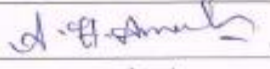
1. Hans-Petter Halvorsen by "PROGRAMMING WITH ARDUINO", 2018. (UNIT- I, II, III)
2. Rajkumar Buyya & Amir Vahid Dastjerdi by "Internet of Things: Principles and Paradigms", 1st Edition, Kindle Edition. (UNIT IV & V)

BOOKS FOR REFERENCE:

1. Kimmo Karvinen & Tero Karvinen by, "Make: Getting Started with Sensors Measure the World with Electronics, Arduino, and Raspberry Pi", First Edition, 2014.
2. Qusay F. Hassan by "Internet of Things A to Z: Technologies and Applications", June 2018.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN COMPUTER SCIENCE HELD ON 14.3.2020
MEMBERS PRESENT

SI. No	Name	Signature
01.	Dr E George Dharma Prakash Raj Assistant Professor, School of Computer Science, Engineering & Applications Bharathidasan University, Tiruchirappalli – 23	
02.	Dr R. Thamarai Selvi Head, Dept. of Computer Science, Bishop Heber College, Puthur, Tiruchirappalli – 17	
03.	Mr. P. Tony Reagan Systech Hardware & Networking Academy (P)Ltd., 129, Aruri Block, 1st Floor, St. Paul's Complex, Cantonment, Tiruchirappalli – 1.	
04.	Dr. S. Panneer Arockiaraj Associate Professor, Dept. of Computer Science, Periyar E.V.R. College (Autonomous) Tiruchirappalli – 620 023	
05.	Dr. D P Jeyapalan Head of the Department	
06.	Mr. D. S. Ravi	
07.	Mr. A. Charles	
08.	Dr. S. Albert Rabara	
09.	Dr. L. Arockiam	
10.	Mr. V. S. Joe Irudayaraj	
11.	Dr. D. Ravindran	
12.	Dr. S. Britto Ramesh Kumar	
13.	Dr. A. Aloysius	
14.	Mr V Jude Nirmal	
15.	Rev. Dr. S. Arul Oli SJ	
16.	Mr. K R Martin	
17.	Mr. J Rex	
18.	Mrs. S. Josephine Theresa	

Sl. No	Name	Signature
19.	Mr. K Maheswaran	
20.	Mr. C. Mohanraja	
21.	Mr. B. Rex Cyril	
22.	Mr. J. Antony John Prabu	
23.	Mr. A. Vimal Jerald	
24.	Mr. Y. Sunil Raj	
25.	Dr. T Kokilavani	
26.	Mrs. A.H. Amalorpava Akila	
27.	Mrs. A. Jenifer Jothi Mary	
28.	Ms. Sherine Dominick	

DEPARTMENT OF INFORMATION TECHNOLOGY

MINUTES OF THE BOARD OF STUDIES IN INFORMATION TECHNOLOGY
HELD ON 14.03.2020

The Board of studies meeting of the department of Information Technology was held on 14-03-2020 at 11.45am in the department. The following members were not present in the meeting.

External member:
1. Mr.Michaeljayakumar
   MsAdsdunia Pvt Ltd
   Chennai – 42.
2. Mr.Murgandiran
   Junior software engineer
   Paragon dynamics infosystems
   Chennai – 32.

Internal members:
1. Mr. GeorgeGabriel Richard Roy
2. Mr. P.BastinThiagaraj
3. Ms. S.Thulasi Bharathi

The meeting commenced with the silent prayer, after which the Head of the Department introduced the external experts to the staff.
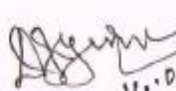
Meeting discussions
The following suggestions were given by the experts
- Modifications or changes in existing UG/PG syllabus were not necessary since there were no requirements to change
- Books for study/reference are kept as such
- Present system could be continued in evaluation of UG/PG practical and viva-voce examination
- The following value added courses for the academic year 2020-21 (ODD or EVEN) semester could be offered:
  1. Hardware networking
  2. Game development
- A list is already prepared for the external examiners, also the HOD asked the members of the department to suggest external examiners for theory.
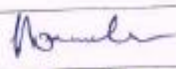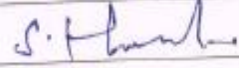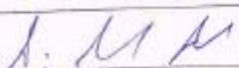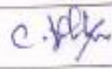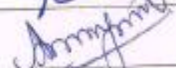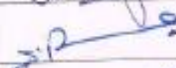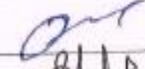
With these discussions made, the meeting winded up with the vote of thanks by the HOD.

Department of Information Technology
St. Joseph's College (Autonomous), Trichy-2
14.03.2020 (Board of Studies)

MEMBERS PRESENT

S. No.	Staff Name	Signature
1.	Dr. D. I. George Amalarethinam Associate Professor (Uni. Rep) Department of Computer Science Jamal Mohamed College Trichy-20	14.03.2020
2.	Dr. K. Mani Associate Professor Department of Computer Science Nehru Memorial College Puthanampatti	14/03/2020
3.	Mr.Micheal Jayakumar Ms ADSUNIA Pvt. Ltd. Chennai-42.	ABSENT
4	Mr.Murugenthiran, Junior Software Engineer Paragon Dynamics Info Systems Chennai-32.	ABSENT
5	Dr. P. Joseph Charles, **Head**	
6	Mr. S. Hendry LeoKanickam	
7	Mr. George Gabriel Richard Roy	LEAVE
8	Mr.A. Antony Prakash	
9	Dr. V. Maria Antoniate Martin	
10	Dr.T. Lucia Agnes Beena	
11	Mr. P. Bastin Thiyagaraj	LEAVE
12	Mr. C. Venish Raja	
13	Mrs. S. Thulasi Bharathi	LEAVE
14	Dr. R. Mangai Begum	
15	Mrs. A. Angel Preethi	
16	Mr. D. Richard	
17	Dr. I. Carol	
18	Mr.S.Antony Joseph Raj	

DEPARTMENT OF MATHEMATICS

MINUTES OF THE BOARD OF STUDIES IN MATHEMATICS HELD ON 14.03.2020

The Board of Studies was started with silent prayer under the chair Dr. L. Benedict Michael Raj, Head of the Department. He welcomed the gathering.
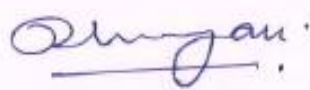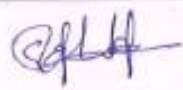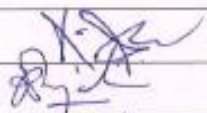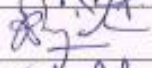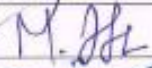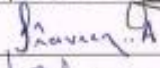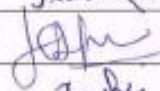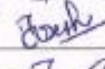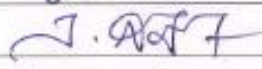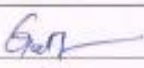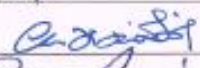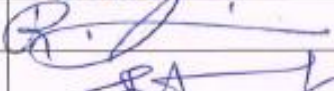
1. Dr. A. Tamilselvan, Professor and Head Chair
   School of Mathematical Sciences
   Bharathidasan University Tiruchirappalli.
2. Mr. R. Murugan (Industrial Expert), Auditor, Tiruchirappalli.
3. Mr. Elanjeran (Alumni), II M.Sc,(Mathematics), IIT Madras.
4. Ms. S.P. Suhba Priya, II M.Sc,(Mathematics), SJC (Student Representative) were present and introduced to the gathering.
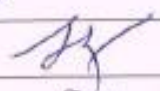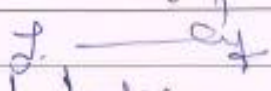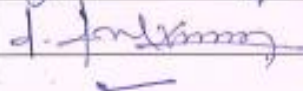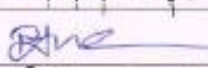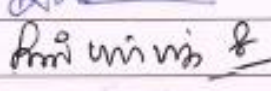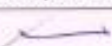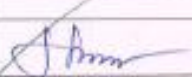
S.No	Agenda	Minutes of the Meeting
1.	Minor modifications/ changes in existing UG/PG syllabus (if any)	• The board unanimously opinioned that the Syllabi for Allied Mathematics B.Sc Computer Science (Semester I:**17UCS130401 Allied I: Mathematics I** and Semester II: **17UCS230402 Allied I: Mathematics II**) are too heavy to teach for the present students. So a Committee is formed with Dr. A. Praveen as the Chairman and Mr.J.ArockiaJeyakumar, Mr. S. Arul Gnanapragasam and Mr. J. Carmel Pushpa Raj as members to prune the syllabi and fix the text books. This will come into effect for 2020-2021 batch. • Dr. A. Tamilselvan and the Student Representative Ms. S.P Suhba Priya opinioned that the syllabus for '**Skill Based: Problem Solving in Advanced Mathematics (18PMA4115)'** is too heavy for the students to study all the papers in one semester with 4 hours teaching per week.
2.	Changes (if any) in Books for Study/Reference (if any changes in books include some latest publications)	• Dr. A. Tamilselvan suggested to change all the text books in UG courses with the latest books. The text book for **Analytical Geometry (17UMA230203)** may be changed to "The Elements of Coordinate Geometry Part-1 Cartesian Coordinates" by S L Loney, Arihant Publications; Sixth edition (25 February 2016) • Mr. Elanjeran has suggested to move the **Linear Algebra (17UMA630217)** paper from 6th Semester to 4th or 5th Semester. • He also suggested some latest books for the following papers **UG Course** 1. (17UMA330206) Sequence and Series & (17UMA530209) Real Analysis " A Basic Course in Real Analysis" By Ajit Kumar, S. Kumaresan CRC Press, 2014 2. (17UMA430208) Algebra I & (17UMA530211) Algebra II "Algebra" by G.Santhanam Narosa Publishing House Pvt. Ltd., New

		Delhi (2017)
		3. (17UMA630217)Linear Algebra "Linear Algebra Done Right" by Sheldon Axler Third Edition, 2015,Springer. **PG Course** 1. 18PMA1101 Real Analysis I&18PMA2106 Real Analysis II "Introduction to Real Analysis", 3rd Ed ByRobert G. Bartle Donald R. Sherbert John Wiley & Sons, Inc. 2. (18PMA4112) Functional Analysis"Functional Analysis and Infinite-Dimensional Geometry" by Fabian, M., Habala, P., Hajek, P., Montesinos Santalucia, V., Pelant, J., Zizler, V. Springer-Verlag New York, 2001 • He also suggested a paper on Data Science be introduced as an elective paper at UG Level
3.	Any change in Evaluation of UG/PG: Practical and Viva voce Examination	• The Evaluation for the paper '**Skill Based: Problem Solving in Advanced Mathematics (18PMA4115)'** for the II M.Sc Classes, the board unanimously approved the following suggestions: **Question pattern for Mid Semester and End Semester:** ➢ Answer 15 out of 20 Questions ➢ Each question carrying 4 marks. ➢ Maximum Marks. 60 **Question pattern for Semester(Internal Setting Only)** ➢ Answer 20 out of 25 Questions ➢ Each question carrying 5 marks. ➢ Maximum Marks. 100
4.	Proposed value added Courses for the Academic Year 2020-2021(Odd and Even Semester)	• The following Value Added Course suggested for the academic year 2020-2021 and the staff for giving the syllabi are as follows: **UG LEVEL** • TANCET - Dr. M. Thiagarajan • MATLAB - Dr. J.Umamaheswari **PG LEVEL** • Paper I for NET/SET – Dr. Y.Dominic
5.	Preparing External Examiners List for Theory Papers(UG/PG)	The staffs were instructed to give the list of Examiners with phone numbers to be added to the existing list of Examiners for setting questions for semester.
6.	Any other Matters(Pertaining to Academics)	Dr. M. Thiagarajan proposed a resolution thanking Dr. L. Benedict Michael Raj, Head and Associate Professor, Department of Mathematics, SJC and Dr. T. Rajaretnam,Professor, Department of Mathematics, SJC for all their service rendered to the Board of Studies for the past 34 years. Dr. Y. Dominic seconded it.
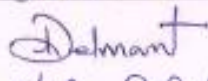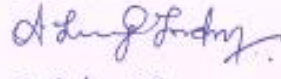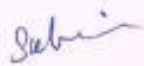
MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. A. Tamil Selvan Professor & Head Department of Mathematics Bharathidasan Universtiy Tiruchirappalli - 620 024.	
02.	Mr. S. Arumugam Shambhavi Karthic 203, Paramballi Road Manipal Karnataka – 576 104.	
03.	Shri. R. Murugan Auditor 8, New Colony Near Salai Road Housing Unit Tiruchirappalli – 620 003	
04.	Mr. Elanjeran IIM.Sc Dept. of Mathematics IIT Madras Chennai – 600 036	
05.	Dr L Benedict Michaelraj Head of the Department	
06.	Dr. T. Rajaretnam	
07.	Dr. M. Thiagarajan	
08.	Dr. Y. Dominic	
09.	Dr. J. Umamaheswari	
10.	Dr. A. Anthony Eldred	
11.	Mr. A. Praveen	
12.	Dr. J. Christy Roja	
13.	Dr. J. Maria Joseph	
14.	Mr. J. Arockia Jeyakumar	
15.	Mr. S. Ithaya Ezhil Manna	
16.	Mr. V. Vairaperumal	
17.	Dr. Geetha Sivaraman	
18.	Dr. J. Amalorpava Jerline	
19.	Dr. R. Lenin	
20.	Mr. S. Arul Gnanapragasam	

Sl. No.	Name	Signature
21	Mr. J. Felix	
22	Mr. P. Lawrence Rozario Raj	
23	Ms. J. Mercy Arockiarani	
24	Mr. A. Arul Xavier	
25	Mrs. A. Sheela	
26	Mr. P. Joyal Roy	
27	Dr. P. Julia Mary	
28	Mr. J. Carmel Pushpa Raj	
29	Mrs. D. Philomine Jeevitha	
30	Ms. D. Arockia Jaya Seely	

31. Dr. A. Delman
32. Dr. A. Jeny Jordon
33. Mr. G. Usha Caliste
34. S.P. Subhapriya
    II MSC MATHS

DEPARTMENT OF STATISTICS

MINUTES OF THE BOARD OF STUDIES IN STATISTICS HELD ON 14.03.2020

The BoS meeting of the department was started with a silent prayer. The list of the members who have attended the meeting is given below.

	External Experts			Internal Experts
1.	Dr.H. Alexis Selvaraj	5.		Dr. Lilly George
2.	Dr.S. Ravi Shankar	6.		Dr. R. Vijayakumar
3.	Mr. S. Lawrence Joseph	7.		Dr. J. GloryPersial
4.	Ms. S. Archana	8.		Dr. T. Venkatesan
		9.		Dr. A. Philip Arokiadoss

Agenda:
1) Minor modifications/changes in the existing UG syllabus.
2) Changes in Books for study/reference.
3) Change in the evaluation pattern for practical and Viva- voce Examinations.
4) Proposed Value-Added Courses.
5) Preparing external Examiners list for the theory papers (UG).
6) Any other academics related matter.

As per the discussions carried out, the following decisions were taken:
1. Retaining the same syllabus for the UG course.
2. For the last revised syllabus (2017-2020) the following books were recommended by the

Staff members handling the respective courses.

1. **Operations Research – I**
   Text Book:
   Operations Research, Kanthi Swarup, P.K. Gupta, Manmohan, S. Chand Publications, 2019.
   Reference Book:
   1. Resources Management Techniques, [Operations Research], V. Sundaresan, 2018.
   2. K.S. Ganapathy Subramaniyan, K. Ganesan, A.R. Publications, 9th edition, 2015.
2. **Testing Hypothesis.**
   Text Book: For Unit – V
   1. Statistics for Management, P.N. Arora S. Chand Publictions, 2007.

3. **Estimation Theory.**
   Text Book:
   1. An Introduction to Bayesian Analysis. Theory and Methods, Jayanta K. Ghosh, Mohan Delampady, Tapas Samanta, Springer.
   2. Introduction to Mathematical Statistics, Eigth Edition, Hogg, Mc Kean, Craig Pearson.

4. **Linear Models, Econometrics and random Processes.**
   Text Book:
   1. Probability and Random Process by Dr. A. Singaravelu, Meenakshi Agency, January 2013 edition.
   2. The BoS members suggested that for practical examinations external examiners from outside the college would be appropriate for conducting the examinations.
   3. The syllabi for the following two value added courses were kept for the approval of the BoS members.

After the discussion, the syllabi have been accepted and recommended for the year 2020-2021.
   i.   Data Analytics with Advanced Excel.
   ii. Research through Statistical Packages.
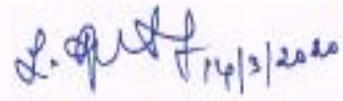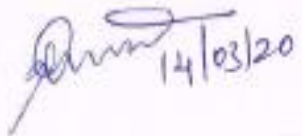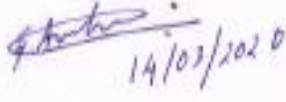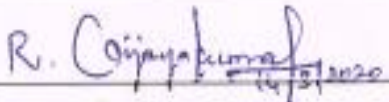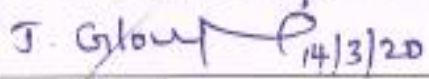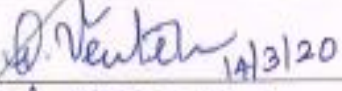
The department has planned to send a request to all the Colleges those who are having the department of Statistics for collecting the examiners list for theory papers.

With this inclusion, the resolution to accept the syllabus for UG Statistics was unanimously passed by the BoS members.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002

BOARD OF STUDIES IN STATISTICS HELD ON 14.3.2020

MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. H. Alexis Selvaraj Assistant Professor Department of Statistics Periyar EVR College Tiruchirapalli – 620023	
02.	Dr. S. Ravi Sankar Assistant Professor Department of Statistics Government Arts College Coimbatore – 641 018	
03.	Mr. S. Lawrence Joseph Quantitative Research Consulting 2/133, I Floor, Bala Street, Thirunagar, Ponmalaipatti Tiruchirappalli – 620 004.	
	Ms. S. Archana No. 666, Peer Mohamed Store M.D. Salai, Thuvakudi Malai (South), Tiruchirappalli – 620 022	
04.	Dr. Lilly George Head of the Department	
05.	Dr. R. Vijayakumar	
06.	Dr. J. Glorypersial	
07.	Dr. T. Venkatesan	
08.	Dr. A. Philip Arokiadoss	

SCHOOL OF LANGUAGES AND CULTURE

DEPARTMENT OF ENGLISH

MINUTES OF THE BOARD OF STUDIES IN ENGLISH HELD ON 14.03.2020

The meeting commenced with a short silent prayer. The minutes of the Pre-Board of Studies were read out by HoD, and passed in the meeting.

HoD invited the industrial expert Ms. Mariselle Gemez, Dinkys Global Enterprises, Melapudur, Tiruchirappalli, to introduce the syllabus for the new paper, IELTS, which would be included as an Add on Course. Speaking of the importance and the advantages of the new Course, Ms. Mariselle said that it would be a thirty-hour Course, which would consist of five units, each with six-hour duration. It will encompass grammar, vocabulary, and development of LSRW skills.

HoD asked Ms. Mariselle Gomez to suggest the ways for implementing the Course at St. Joseph's College. She said that initially 'to train the trainer' programme could be adopted. That is, the Professors of the Department would, first, be trained, by the experts. After being trained, they would teach the students. She added that the students, in order to take up this Course, will have to undergo a 'diagnostic test,' and the fees would be around Rs. 5000 per student to pursue this Course. Furthermore, the exam fees for a student would be Rs. 13,000. HoD asked whether the Course has to be offered to all the Departments. Dr. Xavier Pradheep Singh stated that since majority of the students do not go to foreign countries for higher education, the number of students getting enrolled for this paper would be very less, and therefore, the Course could be thrown open to the whole College. He added that the thirty-hour duration is too less for the Course. Ms. Mariselle spelt out that the paper was meant for those students who would have basic language skills.

Dr. Cheryl Davis suggested that instead of IELTS, 'Spoken English' could be offered to students. Rev. Fr. Rufus felt that IELTS could be offered, and thus, opportunities could be created for the students to study it, and we could look for the response of the students.
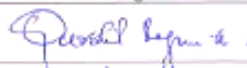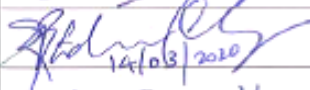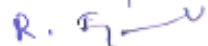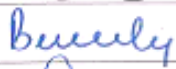
Dr. K.T. Tamilmani, Dean, Academic Affairs & Associate Professor, Department of English, Nehru Memorial College, Puthanampatti, recommended the idea of offering IELTS Course to students. Hinting at the importance given by MHRD to online Courses and NPTEL (National Programme on Technology Enhanced Learning), Dr. Tamilmani held that the students could do about 20% of the Core papers through NPTEL.

Dr. Xavier Pradheep Singh proposed the idea of signing an MoU with the external agency and the experts from the concerned Agency could come and teach our students. He believed that since our Professors teach General English, the students may not like them once again to come and teach them.

The suggestions given by the outgoing UG and PG students were read out by HoD. The UG students put forward a suggestion of conducting workshop on Journalism, Content-Writing, and Creative Writing. They also insisted on inclusion of extra courses on language skills. The PG students suggested that 'Contemporary Literature' and 'Modern Theories' could be added as separate papers in the syllabus, and new techniques in Research Methodology and Teaching could be a part of the syllabus. They were very appreciative of our syllabus, which, according to them, is very useful for preparing for SET/NET and other competitive examinations.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN ENGLISH HELD ON 14.3.2020

MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. V. Vinod Kumar, Professor Department of English, Bharathidasan University, Tiruchirappalli-620 024.	
02.	Dr. K.T. Tamilmani Dean, Academic Affairs & Associate Professor, Department of English, Nehru Memorial College, Puthanampatti – 621007	
03.	Mr / Mrs. Mariselle Gomez Dinkys Global Enterprises, Melapudur Tiruchirapplli – 620 001	
04.	Dr (Major) S Joseph Arul Jayraj Head of the Department	
05.	Rev Fr Godwin Rufus S J	
06.	Mr. V. L. Jayapaul	
07.	Dr. V. Francis	
08.	Dr. J. John Love Joy	
09.	Mrs. R. Qurshid Begum	
10.	Mr. M. John Britto	
11.	Mr. D. R. Edwin Christy	
12.	Dr. R. Jayakanth	
13.	Dr. S. John Bosco	
14.	Dr. Cheryl Davis	
15.	Dr. M. Amutha	
16.	Mr. A. Abraham	
17.	Mr. S. Jerald Sagaya Nathan	
18.	Mr. B. Sam Jerome Sharone	
19.	Dr. J. Amalaveenus	
20.	Mr. S. Sajeev	
21.	Ms. Beverly Maria Francis	
22.	Dr M S Xavier Pradheep Singh M S	

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23.	Ms. K. Primrose	
24.	Mr. A. Johnson Francis	
25.	Mr. D. Loyola Innaci	
26.	Mr. J. Rajesh Kumar	
27.	Mr. J. Charles Arockiasamy	
28.	Mr. Johnny Philip Elston Sturt	
29.	Mr. M. Joseph Anandaraj	
30.	Mr. A. Ezhugnayiru	
31.	Mr. G. Kannaiyan	
32.	Mr. J. Joseph Antony	
33.	Mr. A. James Anto	
34.	Mr. I. Christuraj	
35.	Ms. S. Yasmeen Banu	
36.	Mr. S. Thiyagarajan	
37.	Mr. A. Ukkirapandian	
38.	Mr. K.M. Vargeesh	
39.	Ms. A. Assunta Cristy	

40. Ms. D. DIVYA PRIYA -18PEN131
STUDENT REPRESENTATIVE

41. V.A. BARBARA

42. A. SELCIA METILDA

43. J. RINNY

DEPARTMENT OF FRENCH

MINUTES OF THE BOARD OF STUDIES IN FRENCH HELD ON 14.03.2020

The following members were present:

1. **Prof. MOHAMMED SIRAJ**   UNIVERSITY NOMINEE
   Associate Professor
   Department of French
   Jamal Mohamed College,
   Tiruchirappalli – 620 020

2. **Dr. C. THIRUMURUGAN**   SUBJECT EXPERT
   Associate Professor
   Department of French,
   Pondicherry University
   Kalapet, Puducherry – 605 014

3. **Dr. T. PRIYA**   INDUSTRIAL EXPERT
   Assistant Professor& Coordinator
   Centre for French
   School of English and Foreign Languages
   Bharathidasan University
   Tiruchirappalli. - 620 024

4. **Mr. NDAYISHIMIYE CHRIS**   STUDENT REPRESENTATIVE
   I YEAR (Information Technology)
   St. Joseph's College (Autonomous)
   Tiruchirappalli.

5. **Ms. M. MOHANALAKSHMI**   CHAIRMAN
   Assistant Professor
   Department of French
   St. Joseph's College (Autonomous)
   Tiruchirappalli.

The syllabus for Part – I French for the four semesters was discussed in detailed manner. The question paper pattern was also discussed. As per the agenda, the board has framed the syllabus for the VALUE ADDED COURSE – "Français pour le Debutant" (French for beginners) and resolved to approve it. In addition, the list of external examiners was prepared.

The meeting came to an end by 12.30 PM.

Semestre: I   **Heures /Semaine: 4**
Code du sujet : 17UFR110001   **Points : 3**
FRANÇAIS – I
Les résultats d'apprentissage :
L'étudiant peut …
- Introduire la langue et la culture française aux étudiants
- Comparer la culture de l'Inde et de la France
- Familiariser l'étudiant avec le vocabulaire, la grammaire et les conversations
- Se Présenter

- Donner des informations en Français.
- Conjuguer des verbes, Avoir, Etre, Aller et Faire

UNIT I : A l'aéroport Kamaraj domestic de Chennai   (10 heures)
Saluer, demander et dire le nom, présenter quelqu'un, se présenter, souhaiter la bienvenue à quelqu'un, demander et dire l'identité de quelqu'un.

Grammaire : Etre, s'appeler, pronoms sujets, interrogation

Unit II : A l'Université   (10 heures)
Demander comment on se porte, présenter quel qu'un, prendre congé, exprimer, l'appréciation.

Grammaire : Articles définis et indéfinis, genre des noms, adjectifs, présent de l'indicatif : verbes réguliers en er, être avoir, apprendre, prépositions a, en, au, aux.

Unit III : Au café   (10 heures)
Dire ce qu'on aime, donner des informations, exprimer l'admiration, demander des informations sur quelqu'un.

Grammaire : Adjectifs interrogatifs, présent de l'indicatif : avoir, verbes en er, savoir, qu'est ce que c'est?, adjectifs possessifs, négation, adjectifs irréguliers

Unit IV : A la plage   (15 heures)
Proposer une sortie, accepter, refuser la proposition
Grammaire : phrases au singulier et au pluriel, pronom indéfini- on, il y a, adjectifs démonstratifs, négation, interrogation, présent de l'indicatif : faire, voir, aller, sortir, connaitre

Unit V : Un concert et chez Nalli   (15 heures)
Inviter, accepter, exprimer son incapacité d'accepter, complimenter, parlé au téléphone, demander le prix, protester contre le prix.

Grammaire : Présent de l'indicatif : verbes en er, venir, pouvoir, vouloir, articles contracte, avec, a chez, le futur, interrogation est ce que, adverbes interrogatifs, adjectifs possessifs, accord de l'adjectif, adjectifs exclamatifs, très/trop, présent de l'indicatif : acheter-regarder, l'impératif.

Manuel :
1. K.Madanagobalane, **Synchronie-1**, Samhitâ Publication, 2011.
Livre de référence :
1. Annie Berthet /B_atrix Sampsonis/ Catherine Hugot /V_ronnique M Kizirian / Monique Waendendries, **Alter Ego A1**, Hachette, 2006.
2. Yves Loiseau/R_gineM_rieux, Connexions 1, Didier, 2011.

FRANÇAIS – II

Les résultats d'apprentissage :

L'étudiant peut …

- Faire connaissance des journaux, des courriels, des lettres
- Comprendre les conversations téléphoniques.
- Décrire quelque chose
- Demander son chemin
- Parler des activités du week-end
- Accepter, refuser, exprimer la certitude.

UNIT I : Nouvelles de L'inde   **(10 heures)**
Montrer son inquiétude, s'excuser, exprimer son appréciation, décrire quelqu'un, décrire quelque chose
Grammaire: Présent : verbes en er,-ir, le futur, interrogation totale, féminin d'autres adjectifs.

UNIT II : A la gare Central station   **(10 heures)**
Réserver des billets, demander des renseignements, donner des renseignements
Grammaire: pronoms compléments d'objet direct, présent l'impératif : payer, partir/sortir, l'impératif, expression du temps, construction avec infinitif

UNIT III : Un lit dans la Cuisine   **(10 heures)**
Donner des ordres, localiser, bire qu'une proposition est stupide ou bizarre
Grammaire : Verbes en er-ranger, mettre impératif, il faut, devoir +infinitif, prépositions de lieu

UNIT IV : Pierre apprend a conduire et mangez –vous correctement ? (15 heures)
Rassurer, exprimer l'indirection exprimer l'autorisation, avertir, demander des informations sur les habitudes de quelqu'un, offrir a manger ou a boire, accepter, refuser, exprimer la certitude.
Grammaire: impératif-être, avoir, savoir, pronoms compléments d'objet indirect, le passe compose avec avoir expression de la quantité-articles partitifs, adverbes, pronoms directs et indirects, pronom en, présent des verbes –manger, boire ,offrir ,prendre, la condition avec si.

UNIT V: Ils ont eu tort tous les deux !et Comment as-tu passe le weekend   **(10 heures)**
Demander son chemin, indiquer le chemin a quelqu'un, reprocher / conseiller, parler des activités du week-end, demander a quelqu'un de se taire
Grammaire: le passe compose, adverbes mots interrogatifs, le passe compose avec être, faire du….pouvoir, vouloir.

MANUEL :
1. K.Madanagobalane, **Synchronie -1**, Samhitâ publication, 2011.

Livre de référence :
1. Annie Berthet/B_atrix Sampsonis / Catherine Hugot / V_ronnique M kizirian / Monique Waendendries, **Alter Ego A1**, Hachette, 2006
2. Yves Loiseau / R_gine M-rieux, Connexions 1, Didier ,2011

FRANÇAIS III

Les résultats d'apprentissage :
L' étudiant peut …
- Comparer la culture de l'Inde et de la France
- Familiariser l'étudiant avec le vocabulaire, la grammaire et les conversations
- Connaître des journaux, des courriels, des lettres
- Parler des projets de vacances
- Exprimer l'étonnement
- Parler de ses projets d'avenir, exprimer l'opposition.

UNIT I : Un entretien et Au restaurant -   **(10 heures)**
Demander des informations personnelles à quelqu'un, donner des informations, répondre à une proposition. Réserver une table, demander la carte, commander, apprécier les plats, demander l'addition.
Grammaire: Imparfait, Imparfait et passé composé, expression du temps, expression de la conséquence.Le futur, présent des verbes peser, rejoindre, le passé récent, le présent progressif, le futur proche, Restriction-ne…que, moi aussi…

UNIT II : Enfin les vacances ! et Un autre institut   **(10 heures)**
Raconter son emploi du temps quotidien, parler des projets de vacances, exprimer l'étonnement. Rassurer/consoler, s'indigner
Grammaire : Verbes pronominaux, pronom y, quelqu'un/ne…personne, quelque chose/ne…rien, ne…jamais, Déjà/ne…pas encore, chacun, adjectifs indéfinis.Pronoms relatifs, impératif, indicateurs de temps : de…a, a partir de….jusqu'a, depuis, pendant.

UNIT III : Un Indien célèbre visite la France et Qui dépense plus ?   **(10 heures)**
Demander des informations sur quelqu'un, demander une opinion, donner son opinion. Dire à quelqu'un d'être prudent, faire des reproches à quelqu'un, se justifier.
Grammaire: Pronoms relatifs composés, pronoms compléments d'objet directs et indirectes, opposition savoir/Connaitre, connecteurs chronologiques, nombre ordinaux.Le comparatif, c'est+ nom+ qui, il reste, encore, il y a, souvent.

UNIT IV: Penser à son avenir -   **(15 heures)**
Parler de ses projets d'avenir, exprimer l'opposition.
Grammaire : Style direct/indirect, proposition introduite par que, mots d'enchaînement – donc, pourtant.

UNIT V :   L'astrologie -   **(15 heures)**
Exprimer des conditions, dire quelque chose n'a pas d'importance, proposer quelque chose.
Grammaire : Le conditionnel – la condition.

Manuel :
1. K.Madanagobalane, **Synchronie-II**, Samhitâ Publication, 2011 .

Livre de référence :
1. Annie Berthet /B_atrix Sampsonis/ Catherine Hugot /V_ronnique M Kizirian / Monique Waendendries, **Alter Ego A1**, Hachette, 2006.
2. Yves Loiseau/R_gineM_rieux, Connexions 1, Didier, 2011.

Semestre: IV   **Heures /Semaine: 4**
Code du sujet : 17UFR 410004   **Points : 3**
<div align="center">

FRANÇAIS IV
</div>

Les résultats d'apprentissage :
L'étudiant peut …
- Comparer la culture de l'Inde et de la France
- Familiariser l'étudiant avec le vocabulaire, la grammaire et les conversations
- Connaître les auteurs français (20 auteurs) et leurs œuvres
- Dire qu'on aime quelqu'un/ quelque chose
- Demander des informations
- Exprimer une opinion personnelle et Justifier son opinion.

UNIT I : Prières du Nouvel An -   **(10 heures)**
Exprimer l'inquiétude, le regret, le souhait, l'obligation, la sympathie.
Grammaire : Le subjonctif, verbe craindre

UNIT II : Retrouvailles -   **(10 heures)**
Marquer la surprise
Grammaire : Le subjonctif, pronoms possessifs.

UNIT III : C'est lui le meilleur ! -   **(10 heures)**
Dire qu'on aime quelqu'un/ quelque chose, donner son opinion, insister.
Grammaire : Le superlatif, les pronoms démonstratif.

UNIT IV Sauvons notre Terre ! -   **(15 heures)**
Enchaînement de cause et d'effet, demander à quelqu'un de tenir compté de quelque chose.
Grammaire : Le plus-que-parfait, il y a.

UNIT V : Le jour des élections s'approche et les auteurs français
 (20 auteurs) et leurs œuvres   **(15 heures)**
Demander des informations, dire qu'une action n'est pas utile, exprimer une opinion personnelle, Justifier son opinion.

Grammaire : Le participe présent – le gérondif, la voix passive.

Manuel :
1. K.Madanagobalane, **Synchronie-II**, Samhitâ Publication, 2011.

Livre de référence :
1. Annie Berthet /B_atrix Sampsonis/ Catherine Hugot /V_ronnique M Kizirian / Monique Waendendries, **Alter Ego A1**, Hachette, 2006.

2. Yves Loiseau/R_gineM_rieux, Connexions 1, Didier, 2011.

FRANCAIS POUR LE DEBUTANT

No. OF HOURS: 30

COURSE OUTCOME:

Students will acquire some knowledge to:

1. Remember the vocabularies for basic communication
2. Express oneself in an interview
3. Analyze and comprehend the socio-cultural aspects of France
4. Frame some simple sentences and write a friendly letter
5. Converse with an stranger to indicate directions
6. Enhance their writing and reading skills

UNIT 1: ENTRER EN CONTACT   **(6 Hours)**

➢ TITRE: Salutations,Contacter quelqu'un
➢ PRODUCTION ORALE : Epeler son nom et son prénom, Comprendre des personnes qui se saluent.
➢ PRODUCTION ECRITE : Les formules de politesse
➢ GRAMMAIRE : L'alphabet, Les nombres de 0 à 10, Le genre et le nombre d'un nom, Les articles

UNIT 2: ENCHANTE   **(6 Hours)**

➢ TITRE: Se présenter, Présenter quelqu'un, Remercier
➢ PRODUCTION ORALE : Comprendre des informations essentielles, Echanger l'opinion
➢ PRODUCTION ECRITE : Remplir une fiche d'inscription
➢ GRAMMAIRE : Les pronoms sujets, La conjugaison des verbes auxiliaires et du 1er groupe, Les jours de la semaine, Les nationalités, Les professions, Masculin et féminin

UNIT 3: UNE RENCONTRE   **(6 Hours)**

➢ TITRE: Exprimer ses goûts, Participer à une soirée
➢ PRODUCTION ORALE : Parler de ses projets de week-end, Comprendre et apprécier le goût, Organiser une soirée
➢ PRODUCTION ECRITE : Ecrire de brefs messages et cartes postaux à un ami
➢ GRAMMAIRE : L'interrogation et la négation, Les lieux touristiques de la ville, Verbe : aller/venir

UNIT 4: DEMANDER A QUELQU'UN   **(6 Hours)**

➢ TITRE: Demander un service à quelqu'un, Accueillir une personne, Parler d'actions passées
➢ PRODUCTION ORALE : Imaginer et raconter au passé, Comprendre un message sur un répondeur téléphonique
➢ PRODUCTION ECRITE : Ecrire une lettre amicale et une histoire
➢ GRAMMAIRE : Le passé composé, Les couleurs, Les adjectifs possessifs

UNIT 5: EXPRIMER SON POINT DE VUE   (6 Hours)

- TITRE: Proposer, accepter ou refuser une invitation, Prendre ou fixer un rendez-vous
- PRODUCTION ORALE : Accepter un rendez-vous par téléphone ou par courriel, Faire des achats dans un magasin
- PRODUCTION ECRITE : Ecrire un message d'invitation pour organiser une fête
- GRAMMAIRE : L'heure et la date, Les mois de l'année, Pourquoi ? parce que

TEXT BOOKS:

1. J.Girardet and J.Pécheur, **Echo A1**, CLE International, Edition No: 2, 2015.
2. Régine Mérieux and Yves Loiseau, **Latitudes A1**, Didier, 2012.

BOOKS FOR REFERENCE:

1. Régine Mérieux and Yves Loiseau, **Connexions**, Niveau 2, Didier, Edition No: 1, 2001,
2. Claire Miquel, Grammaire en Dialogues, CLE International, 2007
3. Isabelle Fournier, Talk French, Goyal Publishers, 2011
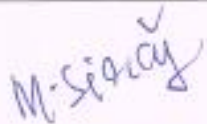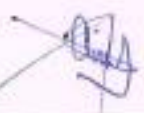
PANEL OF EXTERNAL EXAMINERS-PART-I FRENCH

S.NO	NAME & DESIGNATION	CONTACT DETAILS
1.	**Dr. C. THIRUMURUGAN** Associate Professor Department of French, Pondicherry University Kalapet, Puducherry – 605 014	**Email ID**: frenchmurgan@yahoo.co.in **Mobile no**: 9442787609
2.	**Dr. T. PRIYA** Assistant Professor& Coordinator Centre for French School of English and Foreign Languages Bharathidasan University Tiruchirappalli. - 620 024	**Email ID**: manupriya58@yahoo.com **Mobile no**: 9787733497
3.	**Ms.S.HEMALATHA** Assistant Professor& Head Department of French Holy Cross College (Autonomous) Tiruchirappalli. - 620 002	**Email ID**: yadav.hemalatha@gmail.com **Mobile no**: 9344456933
4.	**Dr. SANTO MICHELINE SANGEETHA** Assistant Professor& Coordinator Department of French Lady Doak College (Autonomous) Madurai - 625 002	**Email ID**: santomicheline@gmail.com **Mobile no**: 9940018443

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002

BOARD OF STUDIES IN FRENCH HELD ON 14.3.2020

MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Prof. Mohammed Siraj Associate Professor Department of French Jamal Mohamed College Tiruchirappalli – 620 020	
02.	Dr. C. Thirumurugan Associate Professor Department of French Pondicherry University Kalapet, Puducherry – 605 014	
03.	Dr. T. Priya Assistant Professor & Coordinator Centre for French School of English and Foreign Languages Bharathidasan University Tiruchirappalli– 620024	
04.	Mr. Ndayishimiye Chris I B.C.A. St. Joseph's College Tiruchirappalli	
04.	Mrs. M. Mohanalakshmi Head of the Department	

DEPARTMENT OF HINDI

MINUTES OF THE BOARD OF STUDIES IN HINDI HELD ON 14.03.2020

The following members were present in the meeting.
1. Prof. R. Vijayalakshmi (University Representative)
2. Prof. S. Prasanna Devi (Subject Expert)
3. Dr. Sreedevi S. (Staff Member)
4. Alok Tigga (Student Representative)

Agenda I: **To Approve the Syllabus of Value Added Course and Recommend it to the Academic Council.**

It is decided that the syllabus of Value Added Course of Dept. of Hindi by incorporating the following aspects.

1. Develop the curricula with focus on:
   a) Employability
   b) Entrepreneurship
   c) Skill development.
   d) Environment and Sustainability

"Resolved that the syllabus of Value Added Course be approved & recommended to Academic Council for further action"

Agenda II: Preparing a List of External Examiners for Part – I Hindi Paper

Prepared a comprehensive list External Examiners and also suggested that the syllabus of the Part – I Hindi paper is covering all the aspects of Hindi literature.

"Approved & recommended to Academic council for further action"

Meeting ended with vote of thanks in chair.

The following members were present

1.	**Prof. R. Vijayalakshmi (University Representative)**	**PRESENT**
	Head, Department of Hindi,	
	Cauvery College of Women	
	Annamalai Nagar,	
	Tiruchirappalli-620 018	
	Mobile No.9585337214	
2.	**Prof. S. Prasanna Devi (Subject Expert)**	**PRESENT**
	Assistant Professor and Head,	
	Department of Hindi,	
	National College (Autonomous)	
	Tiruchirappalli-620 001	
	Mobile No.9786088612	
3.	**Dr. Sreedevi S. (Staff Member)**	**PRESENT**
	Assistant Professor and Head,	
	Department of Hindi,	
	St. Joseph's College (Autonomous)	
	Tiruchirappalli-620 002	
	Mobile No.9495243814	

4.   **Mr. Alok Tigga, (Student Representative)**   **PRESENT**
III B.A. (English),
 St. Joseph's College (Autonomous)
Tiruchirappalli-620 002
Mobile No. 9597519954

The entire syllabus covering all the four semesters were taken up in detailed manner. In addition to the agenda, Value Added Course in Hindi was framed and the list for External Examiners was prepared.

Semester: I   **Hours/Week:** 4
Subject Code: 17UHI110001   **Credits:** 3

HINDI PAPER – I

Course Outcome:-
- To enable the students to develop their effective communicative skills in Hindi.
- To introduce the socially relevant subjects in Modern Hindi Literature
- To appreciate the features of Modern Hindi Prose.

UNIT – I   **8 hours**
Dr Abdul Kalam, Ling Badaliye, Vachan Badaliye,
Baathcheeth-Aspathal Mein

UNIT – II   **12 hours**
Hamara Rajchinha, Noun Ling, Kaarak Chinha, Chaar Baayee,
Baathcheeth, Dookan Mein

UNIT – III   **12 hours**
Moun hee mantra hai, Vachan, Kaarak, Vishwamitra Ka yagna,
 Baathcheeth, Hotel mein

UNIT – IV   **14 hours**
Veer Shivaji, Pronoun, Danush Yagna, Baathcheeth-Maidaan mein

UNIT – V   **14 hours**
Rajatilak Kee Thaiyaree, Adjectives, Baathcheeth-Pareeksha ke baare mein

Books Recommended
1. Dakshina Bharathi Hindi Prachar Sabha, Thiagaraya Nagar, Chennai – 600 017, Subhodh Hindi Patamala-2, Bharath Milap, Bharath-1, 2016.
2. Ramdev, Vyakaran Pradeep, Hindi Bhavan, 63, Tagore Nagar, Allahabad 2, 2016.
****

HINDI PAPER – II

Course Outcome:-
- To enable the students to develop their effective communicative skills in Hindi
- To introduce the socially relevant subjects in Modern Hindu Literature
- To appreciate the features of Modern Hindi one act plays and short stories

UNIT – I   **8 hours**
Paeeksha, Lekak Parichaya, Khani kee Basha – Shyli, Verb, Dhathu,
Artha likiye ,ulte Shabda likiye.

UNIT – II   **12 hours**
Lekak Parichaya Ekanki kee, Basha Shyli, Ander Nagaree, Sankalan Traya,
 Pareek shaka Khani ke paatra,,Vachya.

UNIT – III   **12 hours**
Chief Kee daavath, Ekanki ke Paatra, Ekankikaar, Ne ka Prayog, Adverb

UNIT – IV   **14 hours**
Do Kalakar, Bahoo kee Vidha, Kahaanikaar, Prepositions, conjunctions

UNIT – V   **14 hours**
Kahani ke paatra, Ekanke ke paatra, lekak parichaya,Interjunctions,
 Avikari Shabda

Books Recommended
1. Dakshina Bharath Hindi Prachara Sabha, Thiagaraya Nagar, Chennai – 600 017, Subodh Hindi Patamala – 2, Ekanki, Hindi, 2016.
2. Ram Dev Hindi Bhavan, Vyakaran Pradeep, 63, Tagore Nagar, Alahabad, 2, 2013.

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HINDI PAPER – III

Course Outcome:-
1) To enable the students to complete the pre-reading task to comprehend the local and global issues in the lessons.
2) To enable the students to complete the post-reading task centering on Grammar and Skill Development
3) To analyse the relevance of Bhakthi Movement in Hindi Literature

UNIT – I   **8 hours**
Tera Sneh Na Kho oon, Kavi Parichaya, Patra Likne ke Kaaran, Patra Kee Avashyakatha, Sandhi keeiye, Vigrah Keejiye

UNIT – II   **12 hours**
Ek boondh, Tera Sneh Na Kho oon kavitha kee manovygnaik stiti, Chutti Patra, Sandhi

UNIT – III   **12 hours**

Ekloondh Kavitha Ka Uddeshya, Kabir Ke Dohe, Nagar Palika ko Patra, Samas

UNIT – IV   **14 hours**

Vimal Indu Kee Vishal Kiranen, Rahim Ke Dohe, Naukari Keliye Avedan Patra, Upasarga

UNIT – V   **14 hours**

Thulasi ke Dohe, Kitab Maangne Keliye Patra, Pratyaya, Kaviparichaya

Books Recommended
1. Dakshina Bharath Hindi Prachara Sabha, Thiagaraya Nagar, Subodh Hindi, Paatamala – 3, Chennai – 600 017, Hindi, 2016.
2. DBHP Sabha, T.Nagar, Chennai – 600 017, Abihav Patralekhan, 2016
3. Ram Dev, Vyakaran Pradeep, Hindi Bhavan, 63 Tagore Nagar, Alahabad 2, 2016.

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Semester: IV   **Hours/Week:** 4
Subject Code: 17UHI410004   **Credits:** 3

HINDI PAPER – IV

Course Outcome:-
* To empower the students with globally employable soft skills
* To encourage the students to have the ideas on human values
* To instruct the moral values given by the Bhakthi Saints
* A General view on History of Hindi Literature is taught

UNIT – I   **8 hours**

Vidyarthi, Banking Shabda, Anuvad, Anuvad Lesson – 1, Adhikal, Premchand

UNIT – II   **12 hours**

Pusthakalaya, Nemikaryalaya Tippaniyan, Anuvadak, Anuvad lesson-2, Bakthikal-Gyan Marg, Mahadevivarma

UNIT – III   **12 hours**

Thyohar, Anuvad Ke Gun, Anuvad lesson – 3, Bakthi, Tippaniyaan, Prem Marg, Pant

UNIT – IV   **14 hours**

Yugpuresh Gandhi, Anuvadak Ke Gun, Anuvad Lesson – 4 Bakthikal, Bakthikal – Ram Bakthi Kal - Krishna Bakthi, Dinkar

UNIT – V   **14 hours**

Braman, Anuvad ek kala, Swarnayug Bakthikal, Anuvad Lesson - 5, Reetikal, Chayavad

Books Recommended
· Kendriya Sachivalaya, Hindi Parishad New Delhi, Karyalaya Sahayika, 2016.
· Dakshin Bharat Hindi Prachar Sabha Chennai-17, Niband Radhana, Hindi, 2016.
· DBHP Sabha, Chennai-17, Anuvad Abyas-3, Hindi, 2016
· Rajnath Sharma, Hindi Sahitya ka Itihas, Vinkod Pustak Mandir, Agra-2, 2016.

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VALUE ADDED COURSE
HINDI BASIC LEVEL
SYLLABUS

SEMESTER : EVEN   **NO. OF HOURS: 30**

Course outcome:-

Students will acquire some knowledge to:

1. Remember the vocabularies for basic communication
2. Understand the basics of Hindi Language
3. Make the students to be familiar with the Hindi words
4. Enable the students to converse in Hindi
5. Empower the students with globally employable soft skills
6. Enhance their writing and reading skills
7. Develop their communication skills.
8. Understand the theory and practice of Hindi Grammar

UNIT 1:   **(6 Hours)**
  ➢ Alphabets
  ➢ Vowels
  ➢ Consonants

UNIT 2:   **(6 Hours)**
  ➢ Letter Combinations (Vocabulary)
  ➢ Parts of body
  ➢ Names of the animals
  ➢ Days
  ➢ months

UNIT 3:   **(6 Hours)**
  ➢ Vocabulary vegetable
  ➢ fruits
  ➢ birds
  ➢ trees
  ➢ Professionals
  ➢ colours
  ➢ directions

UNIT 4:   **(6 Hours)**
  ➢ Grammatical aspects
  ➢ Noun, gender (25 words)
  ➢ pronouns and their categories
  ➢ interrogative pronouns KAUN, KYA

UNIT 5:
  ➢ Grammatical aspects   **(6 Hours)**
  ➢ Number 10 words
  ➢ Adjectives (15 words)Conjunctions (10 words)
  ➢ conversation

Books for Reference
  * Sastry and Apte, Hindi Grammar, Dakshin Bharat Hindi Prachar Sabha, Chennai – 600 017, 2016.
  * DBHP Sabha, Chennai – 600 017, Hindi Parichaya, 2016.
  * DBHP Sabha, Chennai – 600 017, Anuvad Abyas (Hindi English), 2016.
  * Avadanandan, Hindi English Self Instructor, DBHP Sabha, Chennai – 600 017, 2016.

OBSERVATIONS MADE BY THE EXPERTS
- ➢ The syllabi are socially relevant.
- ➢ National integration is given due importance.

PANNEL OF EXTERNAL EXAMINERS IN PART – I (HINDI)

SL. NO.	NAME & DESIGNATION
1	Ms. Supriya E. Assistant Professor, Department of Hindi, Fatima College(Autonomous) Mary Land, Madurai-625 018 Email. supriyapreman10@gmail.com Mob. 8903009416
2	Dr. Sheeba S.L. Faculty, Department of Hindi, All Saints College Trivandrum, Kerala – 695 007 Email. sheebasl80@gmail.com Mob. 9633161626
3	Ms. Maheswary A. Assistant Professor, Department of Hindi, Holy Cross College Tiruchirappalli, Tamil Nadu – 620 002 Email. maheswarygk1@gmail.com Mob. 9150127606
4	Ms. A.Prema Assistant Professor, Department of Hindi, Bishop Heber College Tiruchirappalli, Tamil Nadu – 620017 Email. aswiniprema06@gmail.com Mob. 9486649833

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002

BOARD OF STUDIES IN HINDI HELD ON 14.3.2020

MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Prof. R. Vijayalakshmi Head, Department of Hindi Cauvery College for Women Annamalai Nagar Tiruchirappalli – 620 018	R. vijayalakshmi
02.	Prof. S. Prasanna Devi Assistant Professor & Head Department of Hindi National College (Autonomous) Tiruchirappalli – 620 001	S. Prasanna 14/3/2020
03.	Mr. Alok Tigga II B.A. English St. Joseph's College Tiruchirappalli – 620 002	14/03/2020
04.	Dr. S. Sreedevi Head of the Department	14-3-2020

DEPARTMENT OF HISTORY

MINUTES OF THE BOARD OF STUDIES IN HISTORY HELD ON 14.03.2020

Board of Studies meeting began at AV Hall, Dept of History at 12.35pm on 14th March 2020. Rev. Dr. S. Aruldoss, SJ, the Head of the Department welcomed Dr. T. Asokan, Assistant Professor, Department of History, Bharathidasan University, (University nominee), Dr. Ramachandran, Advocate (Industrial Expert), Mr. J. Xavier, PG Teacher (Alumnus) and faculties of the department for the Board of Studies meeting. (Subject Expert was absent)

The Head of the Department informed the Panel that there was no major revision of syllabus in the year. Because the institution, he added, was waiting for regulations and guidelines of New Education Policy to revise the syllabus. Dr. S. Manikandan, presented the syllabus pattern to the Panel. He instructed that UG course had no revision and slight modifications were made in PG and M. Phil., courses. He presented the addition and deletion made in PG papers i.e. Heritage Conservation, Gender Studies in India and Archaeology by the respective professors.
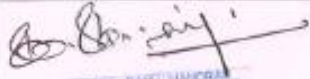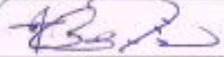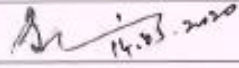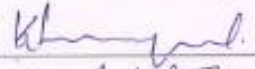
Dr. Ramachandran appreciated the changes done in the syllabus and assured to give study materials for the concept, *Women and Law.* He also said that he was ready to take special lectures on Constitution to the students. For the subject Archaeology, Dr T. Asokan requested the Head to arrange more special lectures by subject experts to enrich the knowledge of the students in Archaeological filed which has great scope. He further suggested to sign MoU with concern institutions to make use of experts and resources for better understanding of the PG papers. The HOD replied that MoU with ASI was under process. There was small modification in M.Phil, Guide Paper which was also presented. The modifications made in the PG and M.Phil courses were welcomed and got appreciated by the Panel. The latter shared their views that there were happy about the meeting and History syllabus which deserve to feed the society.

The Board of Studies meeting came to an end at 2.00 pm.
The following Staff members participated in the meeting:

      Rev. Dr. S.Aruldoss SJ Head
      Dr. J. Santhosh Kumar
      Dr. S. Manikandan
      Dr. K. Lingammal
      Ms. T. Beatinal Amalorpava Mary
      Dr. S. Santhanakkumar
      Mr. S. Vadivel

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN HISTORY HELD ON 14.3.2020
MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. T. Asokan Assistant Professor & Head, Department of History Bharathidasan University Tiruchirappalli–620 024	
02..	Dr. J. John Gilbert Assistant Professor & Head Department of History Government Arts College Tiruverumbur, Tiruchirappalli – 620 022	A A A
03.	Dr. R. Ramachandran Advocate Tiruchirappalli District Court, Cantonment, Tiruchirappalli – 620 001	
04.	~~Mr. P. Krishnan~~ J. XAVIER PG Teacher ADW ~~REV.~~ Government Boys Hr. Sec. School ~~Kamarajar Colony~~ Kattur, Pappakurichi ~~Hosur – 635 109~~ Trichy	J. Xavier 14/03/2020
05.	Rev. Dr. M. Arockiasamy Xavier SJ Principal	A A A
06.	Rev. Dr S. Aruldoss, SJ Head of the Department	
07.	Dr. J. Santhosh Kumar	
08.	Dr. S. Manikandan	
09.	Dr. K. Lingammal	
10.	Ms. T. Beatinal Amalorpava Mary	
11.	Dr. S. Santhanakkumar	

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DEPARTMENT OF SANSKRIT

MINUTES OF THE BOARD OF STUDIES IN SANSKRIT HELD ON 14.03.2020

The following members were present in the Board of studies meeting held in the Department of Sanskrit. S.J.C., Tiruchirappalli-620 002 on 14.03.2020 Saturday at 11.45 a.m.

1. **Dr. Latha Sreedhar(University Representative),**
   Department of Sanskrit,
   Andavan Arts & Science College,
   Tiruchirappali – 620005.

2. **Dr. R.Srinivasa Raghavan(subject Expert)**
   Principal,
   S.R.P.V. Sanskrit College,
   Srirangam, Tiruchirappalli-620 006
   Mob.No. 7708007410.

3. **Dr.Usha**
   Head, Department of Sanskrit,
   SRC College,Tiruchirappalli - 620002.

4. **Mr.Ghadadhar U Mehta (Alumni)**
   Mob.No.9629958509.

5. **Dr. M.S.Madhavachari (Chairman)**
   St. Joseph's College,
   Tiruchirappalli-620 002.

Resolved to approve the syllabus of Part-I Sanskrit of the Degree Courses for all the four semesters after a thorough review of the portions prescribed.

Resolved to approve the syllabus of Value Added Courses in Sanskrit

SANSKRIT: VALUE ADDEDCOURSE (UG)(2020-2021)

Syllabus

Learning Samskritham: - The easy way

Semester: ODD   **Hours/Week: 30**

Course outcome:-

1. To understand the basics of Sanskrit Language

2. to have an idea on Puranas, Ramayana, Mahabharata, Vedas.

3. To give an idea on Sanskrit Literature

Unit - I

Varnas,Vowels,Consonants

Unit-II

Letter combinations (Matrayen-Vocabulary) names of the animal,days,months,time.

Unit-III

Vocabulary-Fruits,trees,vegetables,relations,grains,flowers.

Unit-IV

Grammatical aspects-Noun,Gender 10 words,Antonyms,Pronouns and their

categories.

Unit-V

InterogativePronouns:Kaha,Kim,Numbers 1 to 50.

Books for Reference: -   (1)   Samskara Bindu,Aksharam 8-cross,

2-nd phase,Girinagar,Bangalore.

(2)   ShabdaManjari,Published by

R.S.Vadhyar& Sons, Book-Sellers

And publishers,Kalpathi,

Palghat-678 003, edition 2017.

syllabus

Paper – 1   **Credit: 4**

Code: **Hours: 6**

SANSKRIT COMMUNICATIVE

- The lessons have been planned in such a way that the students will be able
- To form sentences on their own.
- To learn a lot about declinable in and their uses.
- To know important facts about the famous poets and writers.
- To develop translation skills.

UNIT – I

SADHU-UPADESAH – 5 SlSokas.

UNIT – II

SAMSKRTA GRANTHA PARICAYAH

UNIT – III

ANUVADA PARAYOGAH

UNIT – IV

TUMUN PRATHAYA KTVA PRATYAYA VAKYA PRAYOGHH

UNIT – V

SUGANDHAH

Books for Reference:-

1. Sarala Sanskrit shikshaya , Bharatiya vidya Bhavan

   KulapatiK.M.MunshiMarg, Mumbai – 400007.

2. Sugandhah – sanskritaBharati,Aksharam,

   8th cross, II phase Girinagar,Bangalore – 560085.

3. Samskrita Bharati, G.AksyaAppartment

   S.DoctorSubrayan St., DatabathsivanateKalani.Coimbatore – 641072.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002

BOARD OF STUDIES IN SANSKRIT HELD ON 14.3.2020

MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. Latha Sreedhar Assistant Professor Department of Sanskrit Srimad Andavan Arts & Science College Tiruchirappalli – 620 005	ABSENT
02.	Dr. R.S. Srinivasaraghavan 155, East Uttra Street Srirangam Tirchirappalli – 620 006.	R. Srinivasan
03.	Dr. Usha Head, Department of Sanskrit Seethalakshmi Ramasami College Tiruchirappalli – 620 002	S. Usha
04.	Mr. Ghadadhar U Mehta II M.Sc. Botany, St. Joseph's College Tiruchirappalli – 620 002	Ghadadhar U Mehta
05.	Dr. M.S. Madhavachari Head of the Department	Mr S M Chari

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DEPARTMENT OF TAMIL

MINUTES OF THE BOARD OF STUDIES IN TAMIL HELD ON 14.03.2020

அமைதி இறைவேண்டலுடன் வளனார் ஒலி & ஒளிக் காட்சியகத்தில் காலை 11.45 மணியளவில் (சனிக்கிழமை) பாடத்திட்டக் குழுக்கூட்டம் நடைபெற்றது.

பாடத்திட்டவல்லுநர் குழு உறுப்பினர்கள்

1. முனைவர் G.வீரமணி,(Absent)
   இணைப்பேராசிரியர்,
   தமிழ்த்துறை,
   உருமுதனலெட்சுமிகல்லூரி,
   திருச்சிராப்பள்ளி-19

2. முனைவர் ஜெ.சந்திரகலா,
   பேராசிரியர்,
   தமிழியல்துறை,
   பாரதிதாசன் பல்கலைக்கழகம்,
   திருச்சிராப்பள்ளி-24.

3. முனைவர் மு.சாதிக் பாட்சா,
   இணைப்பேராசிரியர்,
   தமிழாய்வுத்துறை,
   ஜமால் முகமதுகல்லூரி,
   திருச்சிராப்பள்ளி-20.

4. திரு. K. சுரேஷ், (Absent)
   K.S.பயிற்சிமையம்,
   திருவரங்கம்,
   திருச்சிராப்பள்ளி.

கூட்டத்தில் கலந்துகொண்டபேராசிரியர்கள்

1. முனைவர் பி.செல்வக்குமாரன் (தற்செயல் விடுப்பு)
2. பேரா. இ.சூசை (துறைத்தலைவர்)
3. முனைவர் பொன்.புஷ்பராஜ் (மருத்துவவிடுப்பு)
4. முனைவர் ஞா.பெஸ்கி
5. முனைவர் ஆ.ஜோசப் சகாயராஜ்
6. முனைவர் செ. கென்னடி
7. முனைவர் டே.வில்சன்
8. முனைவர் ஜா.பெஞ்சமின் ஆரோன் டைட்டஸ்
9. முனைவர் ஆ.இராஜாத்தி
10. முனைவர் சி.ஷகிலாபானு
11. முனைவர் ஆ.மரியதனபால்
12. முனைவர் சி.ஆரோக்கியதனராஜ்
13. பேரா. சி.பாக்கியசெல்வரதி
14. முனைவர் ரெ.நல்லமுத்து
15. பேரா. த.அருள்பிரகாசம்

16. பேரா. தே.இன்பெண்ட் ஜெபர்சன் ஜீசஸ்
17. பேரா. ஆ.அடைக்கலராஜ்
18. முனைவர் சு.சீனிவாசன்
19. முனைவர் ம.தனலெட்சுமி
20. முனைவர் இரா.முரளிகிருட்டிணன்
21. முனைவர் சு.அ.அன்னையப்பன்
22. முனைவர் ஜோ.செல்வக்குமார்
23. பேரா. டே.எட்வின் சார்லஸ்
24. பேரா. கா.ஜான்கென்னடி
25. முனைவர் லா.சார்லஸ்
26. முனைவர் பா.பிரகாஷ்
27. முனைவர் ஜா.ஸ்டெல்லாமேரி
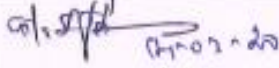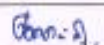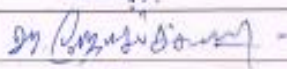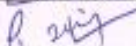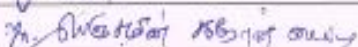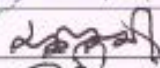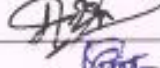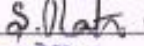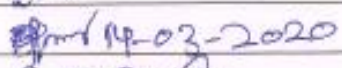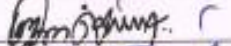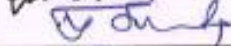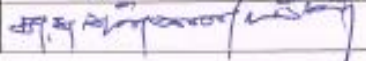
பாடத்திட்டவல்லுநர் குழு உறுப்பினர்கள் மற்றும் பேராசிரியர்கள் அனைவரையும் பேரா. இ. சூசை அவர்கள் வரவேற்றார். கல்லூரி நிர்வாகத்தினரால் வழங்கப்பட்ட ஆறு பொருண்மைகளில் கூட்டம் நடைபெற்றது. அதனடிப்படையில் பல்வேறுகருத்துக்கள் விவாதிக்கப்பட்டன.

➤ 11.03.2020 ஆம் நாளன்றுபாடத்திட்டஉட்குழுக் கூட்டத்தில் விவாதிக்கப்பெற்றகருத்துக்கள் வல்லுநர் குழு உறுப்பினர்களிடம் Power Point வழியாகக் காட்சிப்படுத்தப் பெற்றது.

➤ பொதுத்தமிழ் முதல் பருவத்திற்கு 12 சிறுகதைகள் தமிழாய்வுத்துறையின் வாயிலாக வெளியிடுவதாக முடிவெடுக்கப்பட்டது. நாட்டுடைமையாக்கப் பெற்ற சிறுகதைகளாக அமைந்தால் சிறப்புடையனவாகும் என விவாதிக்கப்பெற்றது.

➤ பயன்முறை இலக்கணம் என்றதாளில் பார்வை நூலில் 'உங்கள் தமிழைத் தெரிந்துகொள்ளுங்கள்' என்னும் தமிழண்ணல் எழுதிய நூலைச் சேர்ப்பதாக முடிவெடுக்கப்பெற்றது.

➤ காப்பியங்கள் என்னும் தாளில் பார்வை நூல்கள் இரண்டு சேர்க்க முடிவெடுக்கப்பெற்றது.

➤ கணினித் தமிழும் இணையப் பயன்பாடும் என்றதாளில் துரையரசன் எழுதிய 'தமிழும் இணையமும்' என்ற நூலைப் பார்வை நூலில் சேர்க்க பரிந்துரைக்கப்பெற்றது.

➤ பொதுத்தமிழ் மூன்றாம் பருவத்திற்கு காலத்திற்கு ஏற்ற புதிய புதினம் தேர்வு செய்ய வேண்டுமென்று முடிவெடுக்கப்பெற்றது.

➤ பொதுத்தமிழ் நான்காம் பருவத்திற்கு புதிதாக எழுதப் பெற்ற உரைநடை நாடகத்தை பாடப்பகுதியில் தேர்வு செய்யஅறிவுறுத்தப்பட்டது.

➤ புறப்பொருள் வெண்பாமாலை என்னும் தாளில் ந.சுப்புரெட்டியார் எழுதிய 'புறத்திணைக் கொள்கைகள்'என்னும் நூலைப் பார்வை நூலில் சேர்க்கவேண்டுமென முடிவெடுக்கப்பட்டது.

➤ சங்க இலக்கியம் என்னும் தாளில் இடம் பெற்றுள்ளகாப்பியப் பகுதிகளை நீக்க வேண்டுமெனவும், இல்லையெனில் தாளின் பெயரைப் 'பண்டை இலக்கியம்' என்று மாற்றப் பெறவேண்டும் என்று முடிவெடுக்கப் பெற்றது.

➤ Value Added Course – பாடப்பகுதிகளை திறம் பட நடத்த வேண்டுமெனவும், அதன்படி இளங்கலைத் தமிழ் மாணவர்களுக்கு நான்காம் பருவத்தில் 'மொழிபெயர்ப்புக்கலை' என்ற தாளும், ஐந்தாம் பருவத்திற்கு 'கல்வி உளவியல்' என்ற தாளும் பாடத்திட்டத்தில் சேர்ப்பதாக முடிவெடுக்கப்பெற்றது.

➤ முதுகலைத் தமிழ் பாடப்பகுதியில் இடம்பெற்றுள்ளமொழியியல் என்னும் தாளில் கு.பரமசிவம் எழுதிய 'இக்காலமொழியியல்'என்ற நூலைபாடப்பகுதியில் சேர்க்க வேண்டுமென முடிவெடுக்கப்பெற்றது.

➤ UGC-NETஎன்னும் தாளில் இடம்பெற்றுள்ளபாடப்பகுதியில் உள்ள எந்தப் பாடப்பகுதியைத் தமிழ்த்துறைப் பேராசிரியர்கள் பாடம் நடத்துகிறார்களோ அப்பகுதியில் உள்ள விடைகளை மதிப்பீடு செய்யவும், வினாத்தாள் அமைக்கவும் தமிழ்த்துறையினரையே நியமிக்கப்பட வேண்டுமென முடிவெடுக்கப்பெற்றது.

➤ புறநிலை வினாவிடை மதிப்பீடு செய்யவரும் பேராசிரியர்கள் (External Examiners) முதுகலைத் தமிழ் நடத்தாமலே நேரடியாக முதுகலைத் தாளை மதிப்பீடு செய்ய அனுமதிக்கக் கூடாது என முடிவெடுக்கப்பெற்றது. இதனடிப்படையில் முன்னரே மதிப்பீடு செய்யவரும் பேராசிரியர்களின் பட்டியலைத் தேர்வுநெறியாளர் அலுவலகத்தில் கொடுக்கவேண்டுமென முடிவெடுக்கப்பெற்றது.

➤ பாடத்திட்ட வல்லுநர் குழு உறுப்பினராகிய முனைவர் ஜெ.சந்திரகலா மாணவர்களுக்கு ஆங்கிலப் பயிற்சி வகுப்பு நடத்த வேண்டுமெனபரிந்துரைத்தார். முனைவர் மு.சாதிக் பாட்சா பாடத்திட்டத்தில் உள்ள சில தவறுகளை நயம் பட சுட்டிக்காட்டினார்.

கூட்டத்தின் இறுதியில் தமிழாய்வுத்துறைத் தலைவர் பேரா. இ. சூசை நன்றி கூறக் கூட்டம் நிறைவுபெற்றது.

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ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN TAMIL HELD ON 14.3.2020
MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. G. Veeramani Associate Professor & Head, Department of Tamil, Urumu Dhanalakshmi College Tiruchirappalli – 620 019.	—
02.	Dr. J. Chandrakala Professor, Department of Tamil Bharathidasan University, Tiruchirappalli	*(signature)* 14/3/2020
03.	Dr. M. Sadik Batcha Associate Professor, Dept. of Tamil Jamal Mohamed College, Tiruchirappalli	*(signature)* 14-03-20
04.	Mr. K. Suresh Proprietor, K.S. Coaching Centre 5/43, Inam Puliyur Road, Srirangam TK Tiruchirappalli District.	—
05.	Dr. F Selvakumaran Head of the Department	—
06.	Mr. I Susai	*(signature)*
07.	Dr. P. Pushparaj	—
08.	Dr. G Beschi	*(signature)*
09.	Dr. A Joseph Sahayaraj	*(signature)*
10.	Dr. S Kennedy	*(signature)*
11.	Dr. D Wilson	*(signature)*
12.	Dr. J Benjamin Aron Titus	*(signature)*
13.	Dr. A. Rajathi	*(signature)*
14.	Dr. S. Shagila Banu	*(signature)*
15.	Dr. A. Maria Dhanabal	*(signature)*
16.	Dr. S. Arockia Dhanaraj	*(signature)*
17.	Ms. S. Backya Selva Rathi	*(signature)*
18.	Dr. R. Nallamuthu	*(signature)*
19.	Mr. T. Arul Prakasam	*(signature)*
20.	Mr. D. Infant Jefferson Jesus	*(signature)*
21.	Mr. A. Adaikkalaraj	*(signature)* 14-03-2020
22.	Dr. S. Srinivasan	*(signature)*
23.	Dr. M. Dhanalakshmi	*(signature)*
24.	Dr. R. Muralikrishnan	*(signature)*
25.	Dr. S.A. Annaiyappan	*(signature)*

SCHOOL OF MANAGEMENT STUDIES

DEPARTMENT OF BUSINESS ADMINISTRATION

MINUTES OF THE BOARD OF STUDIES IN BUSINESS ADMINISTRATION HELD ON 14.03.2020

The Board of Studies meeting for the Department of Business Administration was held on **14.03.2020**. The meeting commenced with a formal prayer followed by welcoming and introduction of the external and internal members by Dr.B.Augustine Arockiaraj, Head of the Department. An industrial expert **Mr.N.Kanagasabapathy,** President TIDITSSIA, academic expert **Dr.S.MohammedMohideen**, Assistant Professor, Jamal Mohammed College and our alumnus **Mr.Yugeshwar Ravichandran**, Assistant Manager, Sales, Bajaj Finance Ltd., were the external panel members for the meeting. The discussion mainly focused on the minor modifications /changes in existing UG syllabus, changes in the Books for study/reference, changes in evaluation of UG Practical and Viva-voce examination, and preparation of external evaluation list and to propose Value Added Courses for the academic year 2020-2021.

The following minor modifications /changes in existing UG syllabus have been done:

A new unit on "GST" was introduced in the Subject "Accounting Package for Mangers" instead of VAT.

GST practical sessions have been introduced in the existing course on "Financial Advanced Accounting Packages".

The concepts of Game Theory are included in the existing course "Operations Research for Managers".

The concepts of Job costing and Batch costing have been included in the existing course "Cost Accounting" instead of Reconciliation of Financial and Cost Statement.

Minor spelling mistakes in the existing syllabus have been identified and rectified.

Changes in Books for Study/References:

Minor changes, in the form of altering the Books Revised and Latest Editions, Additions and Deletions in Text Books and Reference Books were made.

Changes in evaluation of UG: Practical and Viva-voce Examinations:

There are no changes in the existing practical evaluations and viva-voce examinations.

Proposed Value Added Courses for the academic year 2020-2021:

The existingvalue added courses were altered as "Business Analytics for Industries" in the odd semester and "NGO Management" in the even semester.

Preparing External Examiners List for Theory Papers:

The External Examiners List for Theory Papers was prepared and submitted to the Controller of Examination.

The above mentioned changes are suggested and approved by the Board Unanimously.

After a thorough discussion based on the suggestions received from the Board members the department suggested the needful changes to be incorporated in the syllabus. The meeting concluded with a vote of thanks at 1.00 pm.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN BUSINESS ADMINISTRATION (B.B.A.) HELD ON 14.3.2020
MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. M.K. Rajkumar Associate Professor & Head, Department of Commerce, Periyar E.V.R. College Tiruchirappalli – 620 023	ABSENT
02.	Dr. S. Mohamed Mohideen Assistant Professor, Department of B.B.A. Jamal Mohamed College Tiruchirappalli – 620 020	
03.	Mr. N. Kanagasabapathy President of TIDITSS Tiruchirappalli District Small Scale Industries Association Ariyamangalam, Tiruchirappalli – 620 010	
04.	Mr. Yugeshwar Ravichandran Assistant Manager Sales, Bajaj Finance Limited, R.S. Towers 1st Floor, Thillainagar Tiruchirappalli – 620 018	
05.	Dr. B. Augustine Arockiaraj Head of the Department	
06.	Mrs. C.F. Octovia Antony Sessammal	
07.	Mr. T.A. Louis Stevenson	ABSENT
08.	Mr. S. Arputharaj	
09.	Ms. S. Clemence Jenifer	
10.	Mr. P. Bastin Arockiaraj	
11.	Mrs. P. Premakumari	
12.	Mr. D. Rinaldo De David	

DEPARTMENT OF COMMERCE

MINUTES OF THE BOARD OF STUDIES IN COMMERCE HELD ON 14.03.2020

The Board of Studies of the Department of Commerce is convened on 14th March 2020, The following members were present

S. No	Name	Signature
	External Members	
1	Dr. Revathi, Associate Professor Department of Commerce, Periyar EVR College, Trichy. (University Nomiee)	
2	Dr. V. Pugazhenthi, Head & Associate Professor of Commerce, Raja Sharaboji College, Thanjavur. (Subject Expert)	
3	Mr. T. Alwin Charles HR Executive, Dalmia Cements, Ariyalur. (Industrial Expert)	
4	Ms. Suba Lakshmi, Dinamalar, Trichy. (Alumnus)	
	Internal Members	
5	Dr. F. R. Alexander Pravin Durai, Head	
6	Dr. T. Joseph Rex	
7	Dr. K.Alex	
8	Dr. G. John	
9	Prof. D. Maria Antony	
10	Dr. V. Bastin Jerome	
11	Dr. M. Antony Jesuraja	
12	Dr. A. Francis Vijayakumar	
13	Fr. M. Berchmans Maria Joseph SJ	
14	Dr. M. Julias Ceasar	
15	Dr. Arockia Rajasekar	
16	Dr. S. Aruldass	
17	Dr. A. Sahayaraj Alexander	
18	Dr. J. Vinoth Kumar	
19	Prof. Fasutina Susan Felix	
20	Prof. Kirubaharan	
21	Dr. L. Georgia	
22	Prof. Soundarya	
23	Prof. Denis Edward Fernando	
24	Dr. S. Jerome	
25	Dr. S. Arumugam	
26	Prof. Pauvlraj	
27	Prof. Camilus	

After a silent prayer the Head welcomed all the members and introduced the experts, the agenda was taken one by one for discussion.

i.   B.Com Honours to be introduced from the academic year 2020-21 and approval of the syllabus
ii. Value added courses to be approved by the board
iii. Evaluation modalities for UG/PG
iv. Any other matters.

The B.Com Honors curriculum design was presented along with the first year syllabus.

BCOM Honours COURSE PATTERN-2020

Sem	Part		Code	Course Title	Hrs	Cr
I	I	Language	17UGT110001	General Tamil – 1/Hindi-1 / French-1/ Sanskrit-1	4	3
	II	English	17UGE120101	General English -1	5	3
	III	Core	20UCO130201	*Financial Accounting*	6	4
			20UCO130202	Corporate and Business Law-I	4	3
			20UCO130203	*Organisation Management*	4	3
		Allied	20UCO130401	Business Mathematics	5	4
	IV	NMC	17UCE140801	Communicative English	-	5
		Value Education	17UFC141001	Essentials of Ethics, Yoga & Stress Management	2	2
	Total for Semester I				**30**	**27**
II	I	Language	17UGT210002/	General Tamil – 2 / Hindi-2 / French-2/ Sanskrit-2	4	3
	II	English	17UGE220102	General English -2	5	3
	III	Core	20UCO230204	Accounting Packages	5	4
			20UCO230205	Corporate and Business Law-II	4	3
			20UCO230206	Business Economics	5	3
		Allied	20UCO230402	Business Statistics	5	5
	IV	Value Education	17UFC241002	Fundamentals of Human Rights	2	2
	Total for Semester II				**30**	**23**
III	I	Language	17UGT310003	General Tamil – 3 / Hindi-3 / French-3/Sanskrit-3	4	3
	II	English	17UGE320103	General English -3	5	3
	III	Core	20UCO330207	*Financial Reporting – I*	5	3
			20UCO330208	*Basics of Cost Accounting*	5	3
			20UCO330209	**Business Analytics**	3	2
			20UCO330210	**Summer Internship**		2
		Allied	20UCO330403	Marketing	4	4
	IV	Value Education	17UFC341003A	Professional Ethics-1: Social Ethics **(OR)**	2	2
			17UFC341003B	Professional Ethics-1: Religious Doctrine		
		NMC	17UCE340901	Environment Studies	2	2
	Total for Semester III				**30**	**24**
IV	I	Language	17UGT410004	General Tamil – 4 / Hindi-4 / French-4/ Sanskrit-4	4	3
	II	English	17UGE420104	General English -4	5	3
	III	Core	20UCO430208	*Financial Reporting – II*	4	3
			20UCO430209	*Financial Management-I*	4	3
			20UCO430210	Fundamentals of Marketing Analytics	3	2
		Core Elective(WD)	29UCO430301A 20UCO430301B	Modern Banking (OR) : Research Methodology	4	4
		Allied	20UCO430404	Business Management	4	4
	IV	Value Education	17UFC441004A	Professional Ethics-2: Social Ethics (OR)`	2	2
			17UFC441004B	Professional Ethics-2: Religious Doctrine		
	Total for Semester IV				**30**	**24**
V	III	Core	20UCO530211	*Financial Management-II*	5	4
			20UCO530212	*Audit and Assurance*	4	3
			20UCO530213	Direct Taxation	5	3
			20UCO530214	Human Resource Management	4	3
			20UCO530215	Governance Risk & Security	3	2
			20UCO530216	Fundamentals of Financial Analytics	3	2
			20UCO530217	Project Report		2
		Elective	20UCO530302A 20UCO530302B	**CE – II** Security Analysis or Retail Management	4	4
	IV	NMC	17USS540701	Soft Skills / NCC	2	2
	Total for Semester V				**30**	**25**

VI	III	Core	20UCO630218	Management Accounting	6	4
			20UCO630219	Financial Services	6	4
			20UCO630220	Performance Management	6	4
			20UCO630221	Goods and Services Tax	5	4
			20UCO630222	Fundamentals of HR Analytics	3	2
		Elective	20UCO630303A 20UCO630303B	**CE – III (Within School)** Economics for Finance OR Strategic Management	4	4
	Total for Semester VI				**30**	**22**
I -V			14UCW650801	Community Work (SHEPHERD) and Gender Studies		5
	Total for all Semesters				**180**	**150**

The Head explained that the curriculum is strengthened with the help of ACCA and ISDC support and also stated that nine courses are incorporated in alignment with ACCA syllabus. He also stated that the primary focus of this course is to provide strong knowledge base in Accounting, Analytics and Taxation. Having observed the course pattern the university nominee appreciated the course structure. The Alumni representative suggested that more thrust could be given for seminars that may enable the student to strengthen their communicative skills. The head replied that the duration of classes are stretched with 6 hours from 9.30 AM to 3.30 PM and the 6th hour is meant for skill training. The floor approved the course pattern and the first year syllabus.

With regard to the Value added courses, the Head stated that the Department is offering a paper titled Accounting Software for Business Decisions which requires approval and the members appreciated the initiatives and approved the same. The Head also stated that an MoU is signed with Tally academy for offering Tally course that will provide certificate from Tally Academy and the name of such student's name will be added in the placement panel. The course will be offered to all the students of the college and to the students from other colleges. However, the decision is yet to be arrived at to make it compulsory to the commerce students.

Another value added course on Mass Media and Business Development with similar methodology was presented by the Director of Alaigal Media, A communication Institute by Salesian Fathers. He was invited as a special invitee to present the same. The members suggested that the unitization must be in alignment with the UGC directive with 5 units and it was approved by the floor.

Relating to change in the valuation pattern, the Head presented that the Internal question pattern is revisited and a new pattern is evolved by the members as follows,

Section A	(MCQs)	9 * 1 = 09 marks
Section B	(internal choice)	3 * 5 = 15 marks
Section C		3 * 12 = 36 marks
Total		60 Marks

The board approved the proposal and to incorporate the same from the ensuing end semester test onwards.

There was no further points for discussion, the Head thanked all the members and invited all for the working lunch arranged in the college canteen.

Head, Department of Commerce

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN COMMERCE HELD ON 14.3.2020
MEMBERS PRESENT

Sl. No	Name	Signature
01.	Dr. Revathi ·S Associate Professor, Dept. of Commerce Periyar E.V.R. College, Tiruchirappalli – 23.	S. Revathi 14/03/2020
02.	Dr. V. Pugazhendhi, Associate Professor & Head Dept of Commerce, Rajah Serfoji Govt. College, Thanjavur	NA
03.	Mr. T. Alwin Charles HR Executive, Dalmia Cements, Thamaraikulam, Ariyalur – 621 705	
04.	Ms. Subalakshmi, Dinamalar, Tiruchirappalli – 620 001.	R.Subhalakshmi
05.	Dr. F R Alexander Pravin Durai Head of the Department	
06.	Dr. T. Joseph Rex	
07.	Dr. K. Alex	
08.	Dr. G. John	(NP)
09.	Mr. D. Maria Antony	
10.	Dr. V. Bastin Jerome	
11.	Dr. M. Antony Jesuraja	
12.	Dr. A. Francis Vijayakumar	
13.	Rev. Fr. M. Berchmans SJ	
14.	Dr. M. Julius Ceasar	
15.	Dr. Arockia Rajasekar	
16.	Dr. S. Aruldass	
17.	Dr. A. Sahayaraj Alexander	
18.	Mr. S. Kirubakaran	
19.	Mrs. L. Georgia	
20.	Mrs. C. Soundarya	
21.	Mr. Dennis Edward Fernando	
22.	Mr. S. Gokila	
23.	Dr. S. Jerome	

DEPARTMENT OF COMMERCE COMPUTER APPLICATION

MINUTES OF THE BOARD OF STUDIES IN COMMERCE COMPUTER APPLICATION HELD ON 14.03.2020

The meeting was begun at 10.00AM . The head of the department welcome the Experts from other institution and the co staff. Dr.JohnPrabakaran introduced the external members to the staff and Prof.J.Rajees the Head and convenor initiated the discussion. The following members were present. The meeting came to an end 1.00 PM. Followed by Lunch.

SL. NO	NAME
1	Dr.Kavitha (External) Associate Professor of commerce, Cauvery College for women (Autonomous) Tiruchirappalli
2	Dr.Vijayaumar (External) Assistant Professor of Commerce, Jamal Mohamed College (Autonomous) Tiruchierappalli
3.	Mr.Arun Kumar (Alumnus) Trainee SBI Trichy.
4	Mr.J.Rajees Head of the Department and Convenor
5	Dr.Johnprabakaran Member
6	Dr.F.X.Virgin Fraga Member
7	Dr.N.Maheswari Member
8	Mr.J.ArputhasahayaRaj Member
9	Dr.B.Fathimamary Member
10	Dr.R.Arul Member
11	Miss. S.Punithavathi Member
12	Mr. B.Venetesh Saravana kumar Member

DISCUSSION and RESOULUTION
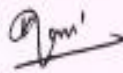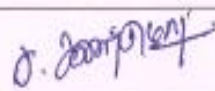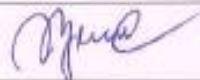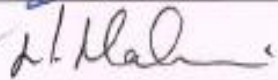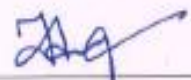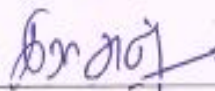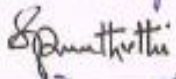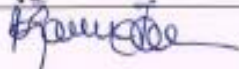
Sl. No		Subject Code	Subject	Correction	Remarks
1	I	17UCC130203	Computer fundamental	Objectives are to be corrected	
2	I	17UCC130401	Business Economics	In chapter IV Fiscal policy and Nidhi Ayog could be added	
3	I	17UCC130201	Financial Accounting	space	
4	III IV	17UCC330403A/ 17UCC330403A	Elements of statistics and Business statistics	The syllabus is heavy completely modified	Could be handled by the commerce staff

5	III IV	17UCC430404A/ 17UCC430404A	BUSINESS MATHEMATICS Business Mathematics,	Syllabus could be simplified, probability theory could be removed	
6	V	17UCC530214	Business aw	Company aw can be included	
7	V1	17UCC630219	Income tax	Redemption under sec.80C can be included in unit 4	
8	PG I SEM	18PCC1101	Research methodology	Could be taught in either 3 or 4 semester	Extra hour could be added
9	PG II SEM	18PCC2109	Managerial skills	Types of letters could be added	

Suggestions

Class	Semester	Suggestions
UG	IV	Corporate Accounting II could be newly introduced at the UG level
For all UG and PG	For all the subjects	Web site , internet link could be added

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN COMMERCE COMPUTER APPLICATION HELD ON 14.3.2020
MEMBERS PRESENT

SI. No.	Name	Signature
01.	Dr. P. Kavitha Associate Professor, Dept of Commerce, Cauvery College for Women Tiruchirappalli – 620 018	
02.	Dr. K. Vijayakumar Assistant Professor, Dept of Commerce Jamal Mohamed College Tiruchirappalli – 620 020	
03.	Mr. J. Chetan Parekh HR Lender, Capgemini Tech Services Sivam Plaza, 5, Karur Byepass Road Annamalai Nagar, Woraiyur Tiruchirappalli – 620 018	ABSENT
04.	Mr. S. Arunkumar Trainee – SBI, Thillainagar Tiruchirappalli – 620 018	
05.	Mr. J. Rajees Head of the Department	
06.	Dr. D. John Prabakaran	ABSENT
07.	Dr. F.X. Virgin Fraga	
08.	Dr. N. Maheswari	
09.	Mr. J. Arputha Sahaya Raj	
10.	Dr. R. Arul	
11.	Ms. S. Punithavathi	

12. Mr. M. Venkatesh Saravana kumar.

13. Dr. B. Fathimamary

DEPARTMENT OF ECONOMICS

MINUTES OF THE BOARD OF STUDIES IN ECONOMICS HELD ON 14.03.2020

The Board of Studies was held in the Department of Economicson 14th March 2020 at 11.45 am with the following agenda:

1. Minor modifications / changes in existing UG / PG syllabus (if any)
2. Changes (if any) in Books for study / Reference (if any changes in book include some latest publications)
3. Any change in Evaluation of UG / PG : Practical and Viva-voce Examinations
4. Proposed Value Added Courses for the Academic Year 2020-2021 (Odd and Even semester)
5. Preparing External Examiners List for Theory papers (UG / PG)
6. Any other matter (Pertaining to Academics)

The following members attended the Board of Studies meeting:

1. Dr. R. Rajendran, Associate Professor, Department of Economics, Periyar EVR College, Tiruchirappalli. (Subject Expert)
2. Staff members of the Department of Economics, St.Joseph's College (Autonomous)

The Meeting started with the address by the Head of the Department regarding the main focus of this meeting and welcomed the Board member, Dr. R. Rajendran, Associate Professor, Department of Economics, EVR Periyar College (Subject Expert). The meeting proceeded with the discussion on minor modifications in UG / PG syllabus revision.

Minor modifications (corrections in syllabus and references) were carried out in the following papers both in UG and PG:

UG Papers List

1. Microeconomics – I& II (17UEC130201 & 17UEC230203)
2. Indian Economic Development – I& II (17UEC130202 & 17UEC230204)
3. Mathematical Methods in Economics – I& II (17UEC130401 & 17UEC230402)
4. Macroeconomics – I (17UEC330205)
5. Urban Economics (17UEC330206)
6. Statistical Tools in Economics – I& II (17UEC330403 & 17UEC430404)
7. Tamil Nadu Economy (17UEC430301A)

PG Papers List

1. Mathematical Tools for Economics (18PEC2106)
2. Economics of Growth and Development (18PEC3110)
3. Monetary Economics (18PEC3111)
4. International Economics (18PEC4112)
5. Industrial Economics (18PEC4114)

Regarding change in Evaluation of UG / PG (Practical and Viva-voce Examinations), the external member and the staff members decided to maintain status quo.

The Value Added Courses for the academic year 2020 - 2021 was discussed and was decided to continue the same paper for UG and to offer a new paper for PG namely;

UG – Computer Applications in Managerial Functions of Economics

PG – General Paper – NET/SET examinations

Regarding the list of external examiners for theory papers (both UG and PG), the Head of the Department, Dr. G. Iruthayaraj, requested the staff members to suggest few examiners.

The meeting came to an end by 2.25 pm

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002

BOARD OF STUDIES IN ECONOMICS HELD ON 14.3.2020

MEMBERS PRESENT

SI. No.	Name	Signature
01.	Dr. L. Ganesan Associate Professor & Head, Department of Economics, Bharathidasan University, Tiruchirappalli – 620024.	Absent
02.	Dr. R. Rajendran Associate Professor, Dept. of Economics Periyar EVR College, Tiruchirappalli	R. *(signature)* 14/3/2020.
03.	Lion. R. Swarnamani Managing Director, Trichy Ceramics (P) Ltd.., 2, Bharathi First Street, Krishnamurthy Nagar Tiruchirappalli – 21	Absent
04.	Mr. K. Sankara Narayanan Assistant Professor, Dept. of Economics PSG Arts & Science College, Coimbatore	Absent
05.	Dr. G. Irudhayaraj Head of the Department	*(signature)*
06.	Mr. A. John Sundararaj	*(signature)*
07.	Dr. M. Suvakkin	*(signature)*
08.	Dr. A. Justin Thiraviam	*(signature)*
09.	Dr. K. A. Michael	*(signature)*
10.	Dr. S. P. Robert	*(signature)*
11.	Dr. J. Vasantha Arockia Selvi	*(signature)*
12.	Ms. P. Prarthna	*(signature)*
13.	Dr. R. Ganesasubramanian	*(signature)*
14.	Dr. P. Jayakumar	*(signature)*
15	Ms J. Jayashree Naiken	*(signature)*

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DEPARTMENT OF HUMAN RESOURCE MANAGEMENT

MINUTES OF THE BOARD OF STUDIES IN HUMAN RESOURCE
MANAGEMENT HELD ON 14.03.2020

The Board of Studies Meeting for revising the PG syllabus of HRM was held on 14th March 2020 at 11.45 AM in the Room No 8 of Inigo Block, adjacent to HRM department. The meeting started with a silent prayer. Later, Dr. J Wilfred Angello Gerald, Head of the Department welcomed Rev Dr. K Arockiam SJ, Dean of Management Studies, and the external members of the board as well as the internal board members. The members present for the meeting are listed below;

External Members invited for the Board of Studies were;
1. Dr. R. Mangaleshwaran, Professor & Head, Department of Social Work, Bharathidasan University, Khajamalai Campus , Tiruchirappalli-23 (University Representative)
2. Dr. A. Lourdu Raja, Associate Professor & Director, Jamal Institute of Management, Jamal Mohammed College, Tiruchirappalli – 620 020 (Subject Expert)
3. Mr. F Israel Inbaraj, GM – HR, TATA Consultancy services Ltd, 12th Floor, A Block, Tidel Park, OMR, Chennai- 600 113 (Industrial expert)
4. Mr. A. Felix Susil, Executive Recruitment ,Bahwan Cyber Tek, 148 Old Mahabalipuram Road, Subbarayan Nagar, Thoraipakkam, Chennai- 600 097(Alumni)

Internal Members invited for the Board of Studies were;

1. Dr. J. Wilfred Angelo Gerald,
   Head of the Department, Dept. of HRM, SJC, Tri-2
2. Rev Fr. K Arockiam SJ,
   Dean of Management Studies, Dept. of HRM, SJC, Tri-2
3. Prof. J. Michael Raj, Assistant Professor, Dept. of HRM, SJC, Tri-2
4. Prof. G. Louis Victor, Assistant Professor, Dept. of HRM, SJC, Tri-2
5. Dr. Y. Vijila, Assistant Professor, Dept. of HRM, SJC, Tri-2
6. Dr. J Vincent Xavier, Assistant Professor, Dept. of HRM, SJC, Tri-2
7. Prof. Annie Jane C, Assistant Professor, Dept. of HRM, SJC, Tri-2
8. Mr. S.Ravi Kumar, Assistant Professor, Dept. of HRM, SJC, Tri-2
9. Mr. R Arul Joseph Raj, Assistant Professor, Dept. of HRM, SJC, Tri-2

Among the invited external members, Mr. F Israel Inbaraj, GM – HR, TATA Consultancy services Ltd, 12th Floor, A Block, Tidel Park, OMR, Chennai- 600 113   (Industrial expert) was absent and in the case of internal members, everyone were present.

Following are the outcome of the meeting based on the discussions and the suggestions given by the members.

SEM	S. No	Course Code	Revised Course Code & Course title	Changes	
				Topics Removed	**Topics Added**
I	1	18PHR1101	20PHR1101 Dynamics of Human Resource Management	Unit-I: Versions: hard and soft. Contradictions, and role of HRM in various sectors. Unit-2: Performance Management, Legal Compliance Unit-3: its framework. Unit-4: Concept: Aims Of Strategic HRM; Types of HR strategies, Role of HRM in strategy formulation, Unit-5: Hofstede's classification. International, case studies.	Unit-3: enhancing competency Unit 4: concept, aims, types
	2	18PHR1102	20PHR1102 Management Concepts and Functions	Unit-1:, EVOLUTION &APPROACHES Principles of Management Unit2: Principles of Scientific Management. contributionsofBehavioral scientists- contributions of systemsscientists- Unit-3: concept, process, , span of management, and, Managerial communication: Unit 5: Management	Unit 1: Principles Unit2: Indian Management Thought. Unit 3: Tips for effective communication
	3	18PHR1103	20PHR1103 Organizational Behaviour	Unit-1:ModelsofOB.– Meaning,importance,and determinants – organization culture, Unit-2: Contextual.JobSatisfaction– Meaning and Determinants UNIT-3:Stress Values,Attitudes.Resolutions trategy Unit-4: development,Group working	Unit 1: organizational climate Unit2 learning theories Unit3: conflict management Unit 4: Leadership (importance, types and theories) Unit-5:organizational methods.
	4	18PHR1104	20PHR1104 Managerial Economics	Unit 2: demand concept, demand estimation, law of supply Unit 4: tactics Unit 5: balance of payment	Unit2: determinants of supply Unit3: types of costs Unit 4 :market research Unit 5: Demonetization- effect and consequences of GST.

	5	18PHR1201A	20PHR1201A Knowledge Management	Unit-1 concept, need, KM: Distinction from Information Management,.KM: The social / organizational context, technology and human dimensions, benefits (individual / organizational / social). Unit-2: Current KM deficits in business organizations. Unit-3:Defining strategy: Meaning, need - Organizational strategy: Internal and external environmental factors, the two thrusts of strategic KM. on organizations.. Unit-4: A critical human behavior An interactive system: Context, structure, roles, processes, culture Unit-5: Major areas of organizational competence,, Knowledge functions of organization Case studies	Unit 1: Difference between KM and Information Management Unit 2: Recent KM issues in organization Unit 4: effective knowledge sharing
		20PHR1201B	20PHR1201B Human Resource Information System	Unit 1: Designing computer based methods, procedure, control – Designing structured programmes. Unit 2: Modern – implementing the project Unit-3: – Accounting, Flexi hours	
	6	18PHR1401	Extra credit course-I	Students choose from MOOC online courses	Students choose from MOOC online courses
II	7	18PHR2105	20PHR2105 Labour Laws - I	Unit 2 to unit 5	Restructured
	8	18PHR2106	20PHR2106 Industrial Relations Management	Unit 1 to unit 5	Restructured
	9	18PHR2107	20PHR2107 Research Methodology	Unit-1: relevance Unit-2: (meaning, steps, advantages and disadvantages Unit-3: Sampling techniques-, basis,	Unit-5: Plagiarism, Citation, foot notes, Bibliography and reference writing,(APA and Harvard model)
	10	18PHR2108	20PHR2108 Field Exposure I		

	11	18PHR2 109	20PHR2109 Talent Management – Self –paced Learning	Unit-I: Introductions , overview of talent management and knowledge workers, Unit2: creating TMS, - performance management, , Workforce analysis; Unit-3: talent development budget, Unit-4 Talent Acquisition. Unit 5: technology	Unit-I: Talent Management : Introduction Unit 2: Talent acquisition
	12	18PHR2 202	20PHR2202 Core Elective: (Within School) Managerial Effectiveness	UNIT-1: Manager, Effectiveness,. Personal vision, Short term and long term goals, power of delegation. UNIT-2: Communication, Force field analysis. Unit 4: Situations that need circular letters. Banking Correspondence, Insurance Correspondence, Import and Export Correspondence. UNIT5: Meetings and Meeting of minds.	Unit 1: power of influence Unit 2: Business analysis.
	13	18PSS2 301	20PSS2301 IDC I: Soft Skills		
III	14	18PHR3 110	20PHR3110 Organisational Development	Unit-1: Theories of Planned Change. UNIT4: Structural Interventions and the Contingency Approach. UNIT 5: SOME KEY CONSIDERATIONSAND ISSUES IN OD:: Issues in Consultancy - Client relationships; The Future of OD; Indian Experiences in OD	Unit 5: organizational change Challenges of changes, types of changes, resistance to change, overcoming changes, promoting changes through individual, team and organization.
	15	18PHR3 111	20PHR3111 Total Quality Management	Unit-1: Definition of Quality, Analysis techniques for Quality cost Philip.B. Crossby. Unit-2: service quality, performance appraisal Unit-3: Accelerated Business improvement model,	Unit 1: historic review
	16	18PHR3 112	20PHR3112 Labour Laws – II	Unit 1 to unit 5	Restructured

	17	18PHR3113	20PHR3113 Internship Training (Summer Placement)		Unit III Labour codes – competency building, interpersonal relation maintenance, HRIS, Knowledge sharing.
	18	18PMS3101	20 PHR3101 Human Resource Management **(Inter discipline Course)**	Unit-1: Objectives Unit-2: . Induction Programme. Unit-3: Levels and Factors, Problems, Levels and Factors, Problems. Unit-4: Need, Career counseling. Unit 5: Benefits – and Fringe	
	19	18PHR3203	20PHR3203 **Core Elective (Within School)** Compensation Management	Unit-1: Compensation – definition and meaning; - meaning, purpose factors , components and differences ; statutory minimum wage , need based minimum wage; - principles, objectives, factors and problems; - principles and time frame; Unit-2: Wage Theories; wages policy- concept, importance Unit-3: wage and salary structure and calculation;	Unit 2: State wage policy
	20	18PHR3301	20PHR3301 IDC – (Within School) Organisational Behaviour	Unit-1: Concept, S- O-B-C Models, Unit-2: concept, Content, Contextual and Contemporary theories. Unit-3: Stress Resolution, Strategy. Unit 4: Self Identity Unit 5: approaches.	
	21	18PHR3302	20PHR3302 IDC – (Between School) Counselling and Guidance	Unit-1:basic concepts , Emergence & Growth of Counselling Psychology (the terms counseling, Counselling - Objectives, principles and need for professional counseling - skills. individual & group counseling, the emergence of counseling. Barefoot Counselling, Assertiveness and Interpersonal Skills for Counsellors, Unit-2: Development of	Unit 1: basic concepts Unit-2: Counselling Skill Unit-3: Counselling Interventions Unit-5Professional Preparation & Training

				Counselling Skill Unit-3: Counselling Interventions in Organisations Unit-5: Ethical Standards & Professional Preparation & Training : Ethicalstandards/principles - responsibility,	
	22	18PHR3402	20PHR3402 Extra Credit Course – II	Students choose from MOOC online courses	Students choose from MOOC online courses
IV	23	18PHR4113	20PHR4113 Managerial Counselling	Unit 1: need. - individual & group counselling – Unit-2: Introduction to the Schools of Counselling Unit 3: Integration and Action Plan.	Unit 1: importance for professional counselling unit 2: important school of counselling
	24	18PHR4114	20PHR4114 Performance Management	Unit-1: goals and, ,benefits Unit-2: negotiated approach and holistic approach; and Effective Goal Setting. Unit-3: principles, Unit-4: PERFORMANCEMANAG EMENTISSUES/ PROBLEMS : problems with rating scales, problems in performance management, Unit-5: Performance development framework-Performance management - training, evaluation and methods	Unit-4: PERFORMANCEMANAG EMENTISSUES
	25	18PHR4115	20PHR4115 Corporate Social Responsibility	Unit-2:Meaning and globalization and itsrelevance, Unit 3: components, mission statements, Unit 4: civil society; Unit 5: Governments, business, and sustainability.	
	26	18PHR4116	20PHR4116 Entrepreneurial Development	Unit-I Evolution of the Concept; Functions of an Entrepreneur, Types of entrepreneur, Entrepreneur – an emerging class, Concept of Entrepreneurship-Evolution of Entrepreneurship; Development of	Unit-I Basic Concepts Entrepreneur: Meaning; functions, types, an emerging class, Entrepreneurship-Evolution; Development Unit-II Creativity and Innovation Unit-III Business Planning

				Entrepreneurship; Unit-II Creativity,: Heuristics, Unit-III : Business Planning Process Unit-V Importance of family business,	Unit-IV Funding Agency Unit-V Family Business
	27	18PHR4 117	20PHR4117 Field Exposure II		
	28	18PHR4 118	20PHR4118 Comprehensive Examination	Unit 2: Historical development of OB	Unit 2: authorized deductions
	29	18PHR4 501	Project Work		

Besides, the internal members of the board agreed to update the Text books / References for study related to the course handled by them
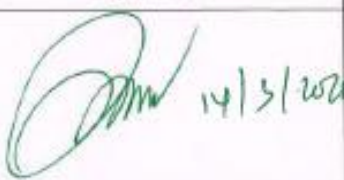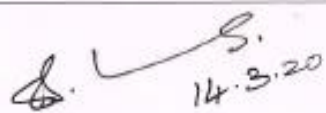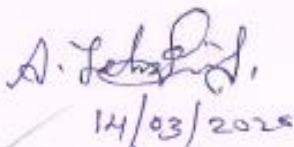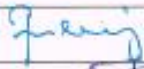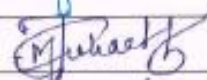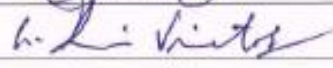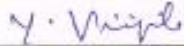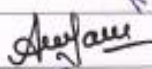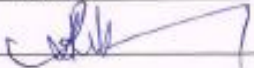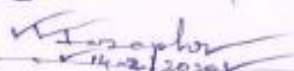
By the by, the board had a detailed discussion on the evaluation process related to viva voce examinations, finally they opted to move with the practice that is preventing now.

With regard to the proposed value added course, two value added courses were taken for discussion. They are i) Finance for work place and ii) Life skills for placement. The board analyzed the viability and outcome of both courses and finally decided to go with 'Finance for work place'.

Before concluding the session, the board also expressed their opinion towards preparing external examiners list for theory papers.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002

BOARD OF STUDIES IN HUMAN RESOURCE MANAGEMENT HELD ON 14.3.2020

MEMBERS PRESENT

SI. No.	Name	Signature
01.	Dr. R. Mangaleshwaran ░░░░░░Professor & Head Department of Social Work Khajamalai Campus Bharathidasan University Tiruchirappalli – 620 023.	14/3/2020
02.	Dr. A. Lourdu Raja Associate Professor + Director Jamal Institute of Management Jamal Mohamed College Tiruchirappalli – 620 020	14.3.20
03.	Mr. F. Isarel Inbaraj General Manager Dept. of Human Resource Tata Consultancy Services Ltd. 12th floor, 'A' Block, Tidel Park OMR, Chennai – 600 113	ABSENT
04.	Mr. A. Felix Susil Bahwan Cyber Tek 148, Old Mahabalipuram Road Subbarayan Nagar Thoraipakkam Chennai – 600 097	14/03/2020
05.	Dr. J. Wilfred Angello Gerald Head of the Department	J. Wilfred Angello Gerald.
06.	Rev. Dr. K. Arockiam SJ	
07.	Mr. J. Michael Raj	
08.	Mr. G. Louis Victor	
09.	Dr. Y. Vijila	
10.	Dr. J. Vincent Xavier	
11.	Mrs. C. Annie Jane	
12.	Mr. S. Ravi Kumar	
13.	Mr. R. ARUL JOSEPH RAJ	14-3/2020

SCHOOL OF PHYSICAL SCIENCES

DEPARTMENT OF CHEMISTRY

MINUTES OF THE BOARD OF STUDIES IN CHEMISTRY HELD ON 14.03.2020

The following agenda were discussed in the Board of Studies Meeting.

01.Minor modifications/ Changes in existing UG/PG Syllabus(If any)

No modification in the existing UG/PG Syllabus.

02. Changes(If any) in Books for study/ References (If any changes in book - include some latest publications)

External Expert will communicate the latest publications (if any) through mail.

03.Any change in UG/PG :Practical and Viva-voce Examination

The following changes are made.

Course	Title, Semester, Sub. Code &Contents	Internal		External	
UG	Chemistry Practical-I Semester II 17UCH230203 Inorganic Qualitative Analysis	**CIA** Regular Practical Classes Two CIA tests ***For Each CIA Test*** Theory/Test Record Procedure Results/Analysis ***Scheme of valuation*** 15 marks for each of the four radicals – 4×15=60 marks 10 marks for Identification of group only of a particular radical	**100 Marks** 50 Marks 50 Marks ***100 marks*** 10 Marks 10 Marks 20 marks 60 Marks	**Total 100 Marks** Theory Procedure Results/Analysis ***Scheme of valuation*** 20 marks for each of the four radicals – 4×20=80 marks 15 marks for Identification of group only of a particular radical	10 Marks 10 Marks 80 Marks
UG	Chemistry Practical-II Semester II 17UCH230204 Volumetric Analysis	Regular Practical Classe Two CIA tests ***For Each CIA Test*** Theory/Test Record Results ***Scheme of valuation*** <1% Error 2% 3% 4% >4%	50Marks 50Marks ***100 marks*** 10 Marks 10 Marks 80 Marks 80 Marks 70 Marks 60 Marks 50 Marks 30 Marks	**Total** Short Proced. Test Results/Analy ***Scheme of valuation*** <1% Error 2% 3% 4% >4%	**100 Marks** 10 Marks 10 Marks 80 Marks 80 Marks 70 Marks 60 Marks 50 Marks 30 Marks
UG	Chemistry Practical-III Semester IV 17UCH430208 Physical Chemistry Practical	**CIA** Regular Practical Classes Two CIA tests ***For Each CIA Test*** Theory/Test Record Principle &Proc Calculation &Tabulat Graph Results ***Scheme of valuation***	**100 Marks** 50 Marks 50 Marks ***100 marks*** 10 Marks 10 Marks 10 marks 10 marks 10 50 Marks	**Total** Theory/Test Principle & pro Calcu&Tabul Graph Results ***Scheme of valuation*** <2% Error 3% 4% >4%	**100 Marks** 10 Marks 10 marks 10 marks 10 marks 60 Marks 60 Marks 45Marks 35Marks 20 Marks

		<2% Error	50 Marks		
		3%	40 Marks		
		4%	30 Marks		
		>4%	20 Marks		

	Chemistry Practical-IV	**CIA**	**100 Marks**	**Total**	**100 Marks**
		Regular Practical Classes	50 Marks	Short Procedure	20 Marks
		Two CIA tests	50 Marks	(10 each for gravimetry and preparation)	
		For Each CIA Test	*100 marks*	Results/Analysis	80 Marks
		Procedure	10 Marks	*Gravimetry*	
	Semester VI	Test	10 marks	<2% Error	50 Marks
		Record	10 Marks	3%	40 Marks
		Results	70 Marks	4%	30 Marks
UG		(50 Marks for Gravimetry and 30 marks for Preparation)		>4%	20 Marks
	17UCH630217	*Scheme of valuation Gravimetry* <2%		*Preparation*	
		Error	50 Marks	Crude	10 marks
		3%	40 Marks	Recrystallization 10 marks	
	Gravimetric Analysis and Preparation	4%	30 Marks		
		>4%	20 Marks	*A Minimum of 7 Gravimetric experiments, 5 melting and 5 boiling point determinations might have been done in regular classes*	
		Preparation			
		Crude	10 marks		
		Recrystallization	10 marks		

	Chemistry Practical-V	**CIA**	**100 Marks**	**Total**	**100 Marks**
		Regular Practical Classes	50 Marks	Procedure	20 Marks
		Two CIA tests	50 Marks	Results/Analysis	80 Marks
		For Each CIA Test	*100 marks*	*Scheme of valuation*	
		Theory/Test	10 Marks	*Organic Analysis*	
		Record	10 Marks	Solubility	5 Marks
	Semester VI	Procedure	10 marks	Sat/unsat	5 Marks
		Results	70 Marks	Arom/Aliphat	5 Marks
		Scheme of valuation		Elements	15 marks
		Organic Analysis		(5+5+5)	
UG	**17UCH630218**	Solubility	5 Marks	Funct Group	10 Marks
		Sat/Unsat	5 Marks	Derivative	10 marks
		Aromatic/Aliphatic	5 Marks	*Physical constant*	
	Qualitative Organic Analysis &Physical Constant	Elements	15 marks	<2% Error	30 Marks
		(5+5+5)		5%	25 Marks
		Functional Group	10 Marks	>10%	20 Marks
		Derivative	10 marks		
		Physical constant			
		<2% Error	20 Marks		
		5%	15 Marks		
		>10%	10 Marks		

	Allied Chemistry Practical	Regular Practical Classes	50 Marks	**Total**	**100 Marks**
		Two CIA tests	50 Marks	Short Proced.	10 Marks
		For Each CIA Test	*100 marks*	Test	10 Marks
		a. Volumetric Analysis –	*60 marks*	Results/Analy	80 Marks
		Scheme of valuation		*a. Volumetric Analysis – 50 marks*	
		<2% Error	60 Marks	*Scheme of valuation*	
	17UPH430405A	3%	55 Marks	<2% Error	50 Marks
		4%	40 Marks	3%	45 Marks
II B. Sc Phy		5%	30 Marks	4%	40 Marks
	Semester IV	>5%	20 Marks	5%	30 Marks
		b. Org qualitative analysis-40 marks		>5%	20 Marks
	Volumetric Analysis and Organic Qualitative Analysis	Solubility	5 marks	*b. Org qualitative analysis-30 marks*	
		Arom/Aliph	10 marks	Solubility	5 marks
		Sat/Unsat	10 marks	Arom/Aliph	5 marks
		Elements	15 marks	Sat/Unsat	5 marks
				Elements	15 marks
II B.	**Allied**	Regular Practical Classes	50Marks	**Total**	**100 Marks**

Sc Bot	**Chemistry Practical** **Semester IV** **17UBO430406A** **Volumetric Analysis and Organic Qualitative Analysis**	Two CIA tests	50Marks	Short Proced.	10 Marks
		For Each CIA Test	*100 marks*	Test	10 Marks
		a. Volumetric Analysis	*60 marks*	Results/Analy	80 Marks
		Scheme of valuation		*a. Volumetric Analysis – 50 marks*	
		<2% Error	60 Marks	*Scheme of valuation*	
		3%	55 Marks	<2% Error	50 Marks
		4%	40 Marks	3%	45 Marks
		5%	30 Marks	4%	40 Marks
		>5%	20 Marks	5%	30 Marks
		b. Org qualitative analysis-40 marks		>5%	20 Marks
		Solubility	5 marks	*b. Org qualitative analysis-30 marks*	
		Arom/Aliph	10 marks	Solubility	5 marks
		Sat/Unsat	10 marks	Arom/Aliph	5 marks
		Elements	15 marks	Sat/Unsat	5 marks
				Elements	15 marks
PG	**Physical Chemistry Practical-I** **Semester I** **18PCH1105**	**CIA**	**100 Marks**	**Total**	**100 Marks**
		Practical Classes	50 Marks	Procedure	10 Marks
		Two CIA tests	50 Marks	Viva	10 Marks
		For Each CIA Test	*100 marks*	Results/Analysis	80 Marks
		Procedure	10 Marks	Table-10marks	
		Test	10 Marks	Calculation	10 marks
		Results	80 Marks	Graph	10 marks
		Table-10marks		Results	50 marks
		Calculation	10 marks	*Scheme of valuation*	
		Graph	10 marks	<2% Error	50 Marks
		Results	marks	3%	40 Marks
		Scheme of valuation		4%	30 Marks
		<2% Error	50 Marks	>4%	20 Marks
		3%	40 Marks		
		4%	30 Marks		
		>4%	20 Marks		
PG	**Physical Chemistry Practical-II** **Semester II** **18PCH2110**	**CIA**	**100 Marks**	**Total**	**100 Marks**
		Regular Practical Classes	50Marks	Procedure	10 Marks
		Two CIA tests	50Marks	Viva	10 Marks
		For Each CIA Test	*100 marks*	Results/Analysis	80 Marks
		Procedure	10 Marks	Table	10marks
		Test	10 Marks	Calculation	10 marks
		Results	80 Marks	Graph	10 marks
		Table	10marks	Results	50 marks
		Calculation	10 marks	*Scheme of valuation*	
		Graph	10 marks	<2% Error	50 Marks
		Results	50 marks	3%	40 Marks
		Scheme of valuation		4%	30 Marks
		<2% Error	50 Marks	>4%	20 Marks
		3%	40 Marks		
		4%	30 Marks		
		>4%	20 Marks		
PG	**Inorganic Chemistry Practical-I** **Semester III** **18PCH3202A** **Qulitative Analysis +**	**CIA**	**100 Marks**	**Total**	**100 Marks**
		Regular Practical Classes	50 Marks	Procedure	10 Marks
		Two CIA tests	50 Marks	Viva	10 Marks
		For Each CIA Test	*100 marks*	Results	80 Marks
		Procedure	10 Marks	(60 Marks for Analysis & 30 Marks for colorimetry)	
		Test	10 Marks	*Scheme of valuation*	
		Results	80 Marks	*Inorganic Analysis*	
		(60 Marks for Analysis & 30 Marks for colorimetry)		15 marks for each radical	
		Scheme of valuation		Only 10 marks for group identification	
		Inorganic Analysis		*Colorimetry*	
		15 marks for each radical		<5% Error	30 Marks
		Only 10 marks for group identification		10%	20 Marks

	Colorimetry	*Colorimetry* <5% Error 30 Marks 10% 20 Marks >10% 10 Marks	>10% 10 Marks
PG	**Inorganic Chemistry Practical-II** **Semester IV** **18PCH4117** **Estimation + Preparation**	**CIA** **100 Marks** Regular Practical Classes 50Marks Two CIA tests 50Marks *For Each CIA Test* *100 marks* Procedure 10 Marks Test 10 Marks Results 80 Marks (60 Marks for Estimations & 30 Marks for Preparation) *Scheme of valuation* *Inorganic Estimations* Thirty Marks each for the volumetric and gravimetric estimations *Gravimetry* <2% Error 50 Marks 3% 40 Marks 4% 30 Marks >4% 20 Marks *Volumetry* <1% Error 50 Marks 2% 40 Marks 3% 30 Marks 4% and above 20 Marks *Preparation* Fifteen marks each for the crude and recrystallized samples	**Total** **100 Marks** Procedure 10 Marks Test 10 Marks Results 80 Marks (60 Marks for Estimations & 30 Marks for Preparation) *Scheme of valuation* *Inorganic Estimations* Thirty Marks each for the volumetric and gravimetric estimations *Gravimetry* *Volumetry* <2% Error 50 Marks <1% Error 50 Marks 3% 40 Marks 2% 40 Marks 4% 30 Marks 3% 30 Marks >4% 20 Marks 4% and above 20 Marks *Preparation* Fifteen marks each for the crude and recrystallized samples
PG	**Organic Chemistry Practical-I** **Semester I** **18PCH1104** **Organic Analysis + Preparation**	**CIA** **100 Marks** Regular Practical Classes 50 Marks Two CIA tests 50 Marks *For Each CIA Test* *100 marks* Solvent for separation 10 Marks Test 10 Marks Results 80 Marks [60 marks for analysis (30 marks for each component of the mixture) and 20 marks for preparation] *Scheme of valuation* *Organic Analysis* Solubility Marks Sat/Unsat 5 Marks Aromatic/Aliphatic 5 Marks Elements 10 marks Functional Group 5 Marks Derivative 5 marks *Preparation* For each crude and recrystallized sample - 10 marks	**Total** **100 Marks** Solvent for separation 10 Marks Viva 10 Marks Resuts 80 Marks [60 marks for analysis (30 marks for each component of the mixture) and 20 marks for preparation] *Scheme of valuation* *Organic Analysis for one component of the mixture:* Solubility Marks Sat/Unsat 5 Marks Aromatic/Aliphatic 5 Marks Elements 10 marks Functional Group 5 Marks Derivative 5 marks *Preparation* For each crude and recrystallized sample - 10 marks
PG	**Organic Chemistry Practical-II** **Semester II**	**CIA** **100 Marks** Regular Practical Classes 50 Marks Two CIA tests 50 Marks *For Each CIA Test* *100 marks* Procedure 10 Marks Test 10 Marks Results 80 Marks	**Total** **100 Marks** Procedure 10 Marks Viva 10 Marks Results 80 Marks (50 marks for estimation and 30 marks for the double stage preparation) *Scheme of valuation*

18PCH2109	(50 marks for estimation and 30 marks for the double stage preparation)		*Organic Estimations*	
	Scheme of valuation		<1% Error	60 Marks
	Organic Estimations		2%	50 Marks
Estimation and double stage preparation			3%	40 Marks
	<1% Error	50 Marks	4% and above	20 marks
	2%	40 Marks	*Preparation*	
	3%	30 Marks	Fifteen marks each for the crude and recrystallized samples of the to stages	
	4% and above	20 marks		
	Preparation			
	Fifteen marks each for the crude and recrystallized samples of the two stages			

04. Proposed value added courses for the Academic year 2020 -2021 (Odd and Even semester)

In addition to the last year courses two new courses are included for the next academic year,2020-2021. The New Courses are i. Pharmaceutical Chemistry ii. Agricultural Chemistry.

05. Preparing External Examiners list for Theory papers (UG/PG)

Already submitted to controller's office.

06.Any other matter (Pertaining to Academics)

Nil

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN CHEMISTRY HELD ON 14.3.2020
MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. A. Ilangovan Professor & Head, Dept of Chemistry, Bharathidasan University Tiruchirappalli – 620 024	*Ilangovan*
02.	Dr A. Jafer Ahamed Associate Professor, Dept of Chemistry Jamal Mohamed College Tiruchirappalli – 620 020	*signature*
03.	Mr. A. Vijayakumar Assistant General Manager, Dalmia Cements, Ariyalur – 621 705	(ABSENT)
04.	Mr. R.B. Augustas Camellus Gopi. S Andimadam PO, Udayarpalayam Ariyalur District – 621 801	*signature*
05.	Dr. A Peter Pascal Regis Head of the Department	*signature*
06.	Dr. A Paul Raj	ABSENT
07.	Dr. S. Joseph Selvaraj	CL
08.	Dr. S. Denis Arockiaraj	*signature*
09.	Dr. A. N. Paul Angelo	*signature*
10.	Dr. A. Rose Venis	*signature*
11.	Dr. A. Irudaya Jothi	*signature*
12.	Mr. S. Antony Sakthi	*signature*
13.	Dr. A. Edwin Vasu	*signature*
14.	Dr. A. S. Stella Shalini	*Shalini*
15.	Dr. A. Simi	*signature*
16.	Dr. S. Britto	S. Britto
17.	Mr. A. Ceril Jeoffrey	CL
18.	Mr. C. Rajarathinam	*signature*
19.	Dr S Mangalaraj	*signature*
20.	Dr. A. Leo Standly	*signature*
21.	Dr. A. Arun Viveke	*signature*
22.	Dr. I. Arockiaraj	*signature*
23.	Mr. A. Arun Joseph Rosario	*signature*
24.	Mr. P. Arockia Doss	P. Stanley *signature*
25.	Ms. JK. Alphonsa Juliet Helina	*signature*
26.	Mr. Gopi	*signature*
27.	Dr. S. Johnson	*signature*

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DEPARTMENT OF ELECTRONICS

MINUTES OF THE BOARD OF STUDIES IN ELECTRONICS HELD ON 14.03.2020

The Board of studies meeting started with a silent prayer. The Chairman of the board, Dr. I. Johnson welcomed and introduced the external experts Prof. V. Anuradha (University representative), Dr.Anbarasu (Academic expert), and otherboard members.

UG

I SEMESTER

Basic Electronics

Prof. V. Anuradha enquired about the credits regarding the UG syllabus. Rev. Fr. J. John Wilson presented the I UG syllabus. He said that there is no changes in this paper and the book for reference is also very easy to learn for beginners. Dr. I. Johnson explained to the externals that during the MOCK visit for NAAC the team has given good remarks about the syllabus. Experts asked about the results of the paper from first semester and faculty members said it was good and then the paper has been passed.

II SEMESTER

Electric Circuit Analysis

Dr. I. Johnson insisted to update the book for reference with recent version for all papers for both UG and PG.Prof. V. Anuradha enquired about the marks allotted for problems in semester question paper and she requested to include more problems since it is a problem oriented paper and the board noted the suggestions and then the paper has been passed.

Electronics practical I

Regarding the practical experiments Dr. Anbarasu asked whether the students have done all in photo devices experiment. We replied to him that students have done all in this experiment. Experts felt in the experiments list in practicals, experiment number 19 – 23 are tough for first year students. Then Dr. I. Johnson asked to do the star – Delta experiment in forthcoming academic year.

Workshop practice I

Experts and HOD insisted to prepare the lab manual not only for our students, it will be useful for other college students also.Experts enquired about Workshop practice. Prof. A. Arputharajrequested to make the workshop practice for semester exam also like other papers. For this the board suggested to change the paper title as Electronics workshop practicals.

SEMESTER III

Digital Electronics

Prof. C. JosphineArockiaMary presented the second year syllabus. Prof. A. Arputharaj and Prof. R. Charles silvester Joe are requested to remove some topics in counters. Dr. P. Anbarasu suggested to mention simply synchronous and asynchronous. Board noted that suggestion. Prof. V. Anuradha suggested to include Malvino book for

reference. Dr. P. Anbarasu asked about the student feedback for Digital Electronics paper, faculty members said it was good and then the paper has been passed.

SEMESTER IV

Electronic devices and circuits

Board suggested to add new book for reference for IGBT instead of lecture notes. Dr. P. Anbarasu and Prof. V. Anuradha approved this and the paper has been passed.

Core Elective

Dr. P. Anbarasu asked about the participating department students for elective. Prof. Arputharaj replied that it is from the Physics department. Dr. P. Anbarasu said since it is a skilled based paper it should be for internal students and not for other department students to enhance job searching. For this Dr. I. Johnson suggested to conduct workshop based on lab equipment servicing for our department students. Rev. Fr. J. John Wilson asked whether skill is equal to practical or not. Dr. P. Anbarasu replied to give skill based papers which is not in syllabus. Dr. P. Anbarasu and Dr. I. Johnson insisted faculty members to make hard copy of the materialwhich is prepared by department and to keep it with department library. Prof. V. Anuradha accepted this and the papers have been passed.

Electronics Practical II

Prof. A. Arputharaj suggested to add Ring counter and 2 bit memory design in practical list.The Board has approved that.

SEMESTER V

Communication System

Prof. R. Charles silvester Joe presented the third year syllabus. Prof. V. Anuradha told to include the basics of communication before Amplitude Modulation and the paper has been passed.

SEMESTER VI

Power Electronics

Feed backs given by the faculty members those who are handling this paper and the board suggested to be modify the paper completely with the book for study. Prof. R. Charles silvester Joe will take care of that.

Sensor technology

Restructuring of the paper has to be done by Prof. V. SivakamaSundari, Prof. L. Thilagavathi, Dr. P. subbuthaiand Dr. I. Johnson. Board suggested to add book for bio sensors in unit III and Dr. Mathivanan book has to be purchased.

Control system

Board suggested to reduce some topics in unit III and the paper has been passed.

PG

SEMESTER I

Prof. V. SivakamaSundari presented the first year syllabus. There is no changes in this semester, all papers have been passed by the board for semester I

SEMESTER II

Digital Signal Processing and PDSP

Prof. V. Anuradha suggested to reduce some topics as the syllabus is heavy. In unit I she suggested to include matrix or circle method. In unit III madam suggested to add any specific topic for butter worth filter and Adaptive filter. In unit IV she asked to add introduction of MAC and to include the recent DSP processor. The Board approved this and the paper has been passed.

POWER ELECTRONICS AND SOLAR PV SYSTEM

The board suggested to purchase the study book and the paper has been passed.

SEMESTER III

COMPUTER HARDWARE AND NETWORKS

As per the Feed backs (lack of students from other departments) given by faculty members board approved to change this paper to be IDC paper instead of consumer Electronics and the paper has been passed.

CONSUMER ELECTRONICS

Board approved to change consumer electronics paper as core elective and the paper has been passed.

INSTRUMENTATION

Experts insisted to prepare a material for all five units and keep it with department library. The Committee(same as sensor technology) willprepare the material for instrumentation under the guidance of Rev. Fr. J. John Wilson and the paper has been passed.

SEMESTER IV

EMBEDDED SYSTEM III

The paper has to be restructured. Prof. V. Sivakamasundari and Dr. P. Subbuthaiassumed as incharges and the paper has been passed.

CONTROL SYSTEM AND ROBOTICS

As per the feed backs given by the faculties slight modification has to be done in this paper. Currently this paper has 3 units of control system and 2 units of robotics at present instead of that it will be changed as 2 units of control system and 3 units of robotics. The board has approved the changes and the paper has been passed. Changes will be made by Prof. R. Charles silvester Joe.

The board accepted the ratification carried out for the syllabus UG and PG 2020. All the suggestions given by the panel members were noted and will be implemented. Finally the Head of the department Dr. I. Johnson proposed the vote of thanks to all the panel and the board members.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN ELECTRONICS HELD ON 14.3.2020
MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Mr. V. Anuradha Head, Department of Electronics Seethalakshmi Ramasami College Tiruchirappalli – 620 002	V. Auradha
02.	Dr. Anbarasu Head, Department of Electronics Government Arts College Kulithalai, Karur District	
03.	Er. Felix Samuel MATZ PCB Design Services Aishwarya Towers Deluxes Lodges Ganthi Road, 10/7, Patel Road Sriramapuram, Srirangam Tiruchirappalli – 620 006	Ab
04.	Mr. Aravind IOT Engineer, Adyog Software Solutions 221, 9th Street Viduthalai Nagar S. Kolathur Road, Kovilampakkam Chennai – 600 117	Ab.
05.	Dr. I. Johnson Head of the Department	
06.	Rev. Fr. J. John Wilson SJ	
07.	Mr. A. Arputharaj	A. A
08.	Mr. R. Charles Silvestor Joe	
09.	Mrs. V. Sivakamasundari	
10.	Ms. C. Josephine ArockiaMary	C.
11.	~~Mr. J. Shaikshabjan~~ Mr. E. THIRU MENI	
12	Mrs. L. THILAGA VATHI	
13	Mr. J. ISAAC BRITTO	
14.	Mrs. P. SUBBUTHAI	P. Subbuthai.

DEPARTMENT OF PHYSICS

MINUTES OF THE BOARD OF STUDIES IN PHYSICS HELD ON 14.03.2020

The Board of Studies of Physics was started with a prayer at 11.45 AM on 14-03-2020 in the Smart Classroom. The Subject Expert, Dr. G. Muralidharan, Professor of Physics, Gandhigram Rural Institute, Gandhigram, Alumni Miss. R. Divina, Research Scholar, Gandhigram Rural Institute, and theStudent representative Mr. S. JoswinJoshwa (18 PPH 113) and all the Faculty members of the Department were present, except the University representative Dr. S. Rajasekar from Bharathidasan University, Industrial Expert, Mr. M. Jesuraj, Chief Executive, Hi-Tech Electronics, Trichy, Dr. I. Johnson, Dr. A. Leo Rajesh (CL) and Dr. M. Antony Arockiaraj (ML).

The Chairman of the Board welcomed the External members and the faculty members of both Shift – I & Shift – II.

Dr. P. Rajendran read out the minutes of the previous Board of studies held on 27th March 2019 and the same was passed.

The chairman briefed about agenda of the Board of Studies.

Post Graduate Programme

The PG course pattern and syllabus were presented at the board. The course pattern was passed. In the syllabus of various courses, three clarifications were raised and the same were discussed.

1.Physics for competitive examinations(course code:18PPH1301, IDC)

Dr. S. Dinakaran suggested an addition of reference book by Resnick and Halliday. Subject Expert clarified title and author's name of the book. After a discussion, the book, Fundamentals of Physics, by David Halliday, Jearl Walker, and Robert Resnick included as book for reference and the syllabus passed.

2.Material Science – I (course code: 18PPH3201A, Core Elective)

Dr. A. Leo Rajesh and Dr.M.Dinesh Rajacited that similar topics are found in unit-I of Material Science – I and in unit-IV of Material Science – II and recommend that it is more appropriate to be in Material Science – II.

The boards well taken the comment,following topics were removed from unit-1 of Material Science – I and the syllabus passed.

Topics removed from unit-1 of Material Science – I

'Development of microstructure in isomorphous alloys – mechanical properties of isomorphous alloys – Binary eutectic systems – Development of microstructure in eutectic alloys.'

3. Quantum Mechanics (course code: 18PPH2105 Core)

Dr. S. Alfred Cecil Raj brought an observation on the topics

- Unit-II: 3D problem of Spherical Square well potential
- Unit-III:Spherical harmonics, Addition of more than 2 Angular Momenta.

As they consume more hours to complete the content, and it demands polynomial solutions to be remembered to solve problems, it is extremely difficult for students. Hence it is requested for deletion.

On discussion, the subject expert suggested that for few courses certain equations and recurrence relations can be provided during the exam, so that the candidate's ability to work with them is tested. However, the suggestion to delete these two topics is accepted. The above two topics were deleted and syllabus passed.

Post Graduate Question Paper Pattern for CIA and Semester:

In present question pattern, 20% of questions as problem solving are recommended. Now it is brought to the board to make it is as compulsory to improve the problem solving skill,which will be helpful for NET/SET examination.After discussion, it was accepted to have 20% of questions as problem solving is compulsory. In the present question pattern Section-Cwill have only problem solving questionsboth for CIA and Semester examinations from the academic year 2020-2021 onwards, whichcontributeto approximately 20% of the whole question paper.

Under Graduate Project Evaluation:

The board recommends the UG Project Evaluation as 75% for report with a passing minimum of 30 marks and the Viva-voce for 25% with a passing minimum of 10 marks. For Viva-voce, the guide is the internal examiner and another one examiner as internally external (a faculty within the department).

Under Graduate Value Added Course:

In the academic year 2019-2020, management has established 15KVA Solar Power System in Physics department with 10KVA on-grid power generation, 3KVA and 2KVA as training module cum power generator. It is suggested to start a value added course on

'**Photovoltaic Solar Panel Installation and Maintenance'**

from theacademic year 2020-2021. It is accepted at the board to start the above course along with the two existing courses.
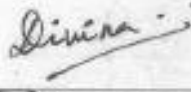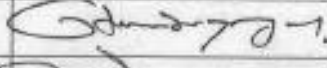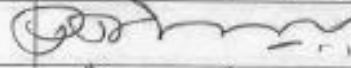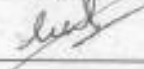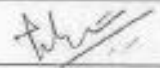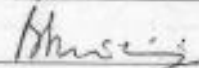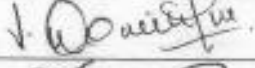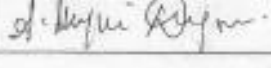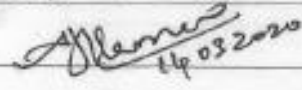
Dr. B. Kanickairaj and Prof. A. Patrick Prabhu thanked Dr. I. Arul Rayappan and Dr. P. Rajendran, the retiring faculties for their contributions to the department.

Finally, Chairman thanked theSubject expert, alumni,the faculty members andthe student representative for their effort and contribution in the revision ofsyllabus.

Board of Studies came to an end at 1.00 pm.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN PHYSICS HELD ON 14.3.2020
MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. S. Rajasekar Professor Department of Physics Bharathidasan University Tiruchirapalli 620 024	
02.	Dr. G. Muralidharan Professor of Physics The Gandhigram Rural Institute Gandhigram - 624 302,	
03.	Mr. M. Jesuraj, BE Chief Executive Hi-Tech Electronics C92, 5th Cross Road E Thillainagar Tiruchirappalli – 620 018	
04.	Ms. R. Divina, (M.Phil. GRI) 10/54, Bodinayakkanpatti Nagal Nagar Dindigul – 624 003	
05.	Dr. I. Arul Rayappan Head of the Department	
06.	Mr. P. Rajendran	
07.	Dr. N. Ravi	
08.	Dr. S. Alfred Cecil Raj	
09.	Dr. I. Johnson	
10.	Mr. A. Patrick Prabhu	
11.	Mr. B. Kanickairaj	
12.	Dr. J. Charles	
13.	Mr. S. Dominique	
14.	Dr. P. Christuraj	
15.	Mrs. A. Maggie Dayana	
16.	Dr. A. Leo Rajesh	
17.	Dr. M. M. Armstrong Arasu	
18.	Dr. A. J. Clement Lourduraj	
19.	Dr. M. Antony Arockiaraj	

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20.	Dr S Dinakaran	
21.	Dr R Jerald Vijay	
22.	Dr. S. Anbarasu	
23.	Dr. A. Antony Raj	
24.	Mr. D Joseph James Irudayaraj	
25.	Dr. G. Samuel	
26.	Mr. S. Lourduraj	
27.	Mrs. F. Celin Hemalatha	
28.	Mr. M. Francis	
29.	Mr. P. Adal Arasu	
30.	Mr. J. Ranjith Rajasekar	
31.	Dr. M. Lawrence	
32.	Dr. H. Joy Prabhu	
33.	Dr. M.M. Dinesh Raja	
34.	Mr. A. Anand	
35.	Dr. A. Sinthiya	
36.	Ms. B. Mary Dayana	
37.	Mr. G. Novin Senetra Roy	

38. Mr. S. JOSWIN JOSHWA
    (18 PPH 112)
    Student Representative

OTHER DEPARTMENTS
DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)
MINUTES OF THE BOARD OF STUDIES IN MASTER OF BUSINESS ADMINISTRATION HELD ON 14th and 17th March 2020

The Board of Studies met on 14 and 17 March 2020 and the following changes were advised to be effected from the academic year 2020 – 21. It should be noted that the changes were brought to trend along with the contemporary business education scenario.

Suggestions by the Board

1. All the courses will be of 3 and 1.5 credits.
2. Apart from foundational, functional, core and other specialization areas, a student will have skill-based courses and a socially relevant programe in the first year. The total number of credits will remain to be 120 (apart from 4 extra credits for SHEPHERD program) for successful completion of MBA programme at JIM.
3. In the first semester, there will be seven (7) foundational courses of 3 credits each and another two (2) courses of 1.5 credits each. In addition, there will be a certificate course on Communicative Competence and one(1) skill based course - Skills for Management Education carrying two credits.

	S. No	Title	Credits
I Semester	1.	Fundamentals of Business Organisations	3
	2.	Managerial Economics	3
	3.	Quantitative Techniques	3
	4.	Accounting for Managers	3
	5.	Business Communication - I	3
	6.	Personal Growth	3
	7.	IT Skills for Managers	3
	8.	Legal Aspects of Business	1.5
	9.	Creativity & Innovation for Business	1.5
		Total	**24**
	Skill Based		
	1.	Communicative Competence (Certificate Course)	
	2.	Skills for Management Education	2

4. In the first year, second semester, there will be eight courses in functional and other core areas of management carrying 3 credits each. Also, there will be 4 skill-based courses. Two courses viz., Business Analytics and Business Communication – II will carry two credits each.

	S. No	Title	Credits
II Semester	1.	Financial Management	3
	2.	Marketing Management	3
	3.	Human Resource Management	3
	4.	OrganisationalBehaviour	3
	5.	Management Information Systems	3
	6.	Research Methodology	3
	7.	Production & Operations Management	3
	8.	Entrepreneurship	3
		Total	**24**
	Skill Based & Socially Relevant Programmes		
	1.	Business Analytics	2
	2.	Business Communication – II	2
	3.	Out Bound Training (3 Days)	
	4.	SHEPHERD (50 Sessions : 4 Credits)	

5. In the second year, there will be 2 core courses in each semester. There are 4 specializations. In each specialization, (viz) Finance / Marketing / HR / Systems,there will be five 3 credit courses and three 1.5 credit courses, for both the semesters.

	S. No	Title	Credits
III Semester	1.	Summer Internship Placement (10 Weeks)	5
	2.	Project & Dissertation (2 Weeks)	5
	3.	Strategic Management	3
	4.	Logistics and Supply Chain Management	3
	5.	Electives	21
		Total	**37**
IV Semester	1.	International Business	3
	2.	Business Ethics	3
	3.	Comprehensive Examination	2
	4.	Electives	21
		Total	**29**

a. In the second year, students will have to choose a major specialization of his/her choice. In the third and fourth semester, he/she has to compulsorily take 3 courses of three credits each in the chosen specialization.

b. For the second specialization, he/she must choose 2 courses of three credits each in the third and fourth semester.

c. Apart from that he/she can choose 4 courses of 1.5 credits each across specializations in the third and fourth semester.

Finance

III Sem		
S.No	**Title**	**Credits**
1.	Management of Financial Services	3
2.	Security Analysis and Portfolio Management	3
3.	Management of Banking	3
4.	Financial Modelling using Spreadsheets	3
5.	Wealth Management	3
6.	Enterprise Risk Management	1.5
7.	Equity Market Trading Practices	1.5
8.	Financial Risk Management	1.5
IV Sem		
1.	Derivatives Management	3
2.	Business Analysis and Valuation	3
3.	Project Management	3
4.	International Financial Management	3
5.	Accounting Analytics	3
6.	Indirect Taxation	1.5
7.	Derivatives Market Trading Practices	1.5
8.	Insurance and Risk Management	1.5

Marketing

S.No	Title	Credits
III Sem		
1.	Consumer Behaviour	3
2.	Sales and Distribution Management	3
3.	Services Marketing	3
4.	Marketing Research	3
5.	B-B Marketing	3
6.	Market Stint	1.5
7.	Brand Management	1.5
8.	Rural Marketing	1.5
IV Sem		
1.	Integrated Marketing Communication	3
2.	Retail Management	3
3.	Digital Marketing	3
4.	Marketing Analytics	3
5.	International Marketing	3
6.	Sales Promotion	1.5
7.	Mobile Marketing	1.5
8.	E-Mail Marketing	1.5

HR

S.No	Title	Credits
III Sem		
1.	Learning and Development	3
2.	Performance Management	3
3.	Labour Legislation	3
4.	Conflict and Negotiation Management	3
5.	Learning Organization	3
6.	Recruitment and Selection	1.5
7.	Managing Talent	1.5
8.	HR Analytics	1.5
IV Sem		
1.	Employee Relations	3
2.	Organizational Change & Development	3
3.	Compensation Management	3
4.	Cross Cultural Management	3
5.	Career Management	3
6.	Team Management	1.5
7.	Consulting to Management	1.5
8.	Strategic Human Resource Management	1.5

Systems

S.No	Title	Credits
III Sem		
1.	Business Analytics	3
2.	Data Mining and Data Warehousing	3
3.	Introduction to R and Python Programming	3
4.	Relational Database Management	3
5.	Software Engineering	3
6.	Data Visualization	1.5
7.	IoTs and Cloud Computing	1.5
8.	Digital Commerce	1.5
IV Sem		
1.	Digital Analytics	3
2.	Big Data Analytics	3
3.	Data Science using Python	3
4.	Principles of Deep Learning	3
5.	Natural Language Processing	3
6.	Cyber Security	1.5
7.	Knowledge Management	1.5
8.	Enterprise Resource Planning	1.5

MOOC and Course of Independent Learning will be extra credit courses. However, taking the current business education scenario, the students are asked to take a minimum of 2 courses for improving their knowledge and skills in their respective areas.

The Board of Studies, JIM places the above points for discussions and requesting to pass the above suggestions.

Note: The Board of Studies also suggested that for the 2019-2021 Batch, 5 credits courses namely

1. Security Analysis and Portfolio Management
2. Derivatives Management
3. Advertising and Sales Promotions Management
4. Sales and Distribution Management
5. Business Analytics and Business Intelligence
6. Big Data Analytics

Will be 4 credit courses.

The deficit of one credit in the above-mentioned courses will be transferred to MOOC or CIL. Hence MOOC or CIL courses will be of 3 credits in each semester for Finance, Marketing and Systems respectively. Pleases be noted that a student can choose either MOOC or CIL for the batch of 2019-2021.

DEPARTMENT OF VISUAL COMMUNICATION TECHNOLOGY

MINUTES OF THE BOARD OF STUDIES IN B.Sc. VISUAL COMMUNICATION
HELD ON 14.03.2020

The Department of Visual Communication Technology conducted B. Sc. Visual Communication Board of Studies meeting for the academic year 2019-20 on 14/03/2020 in jubilee Hall. The meeting was started with a silent prayer. After which Prof. S. Tamilarasi, Head-in-charge of the department welcomed the members of the board. The meeting was attended by Dr. A. Poorni, Head, Department of Visual Communication, Government Arts and Sciences College, Trichy as the university nominee; I. Senthila Devi, Asst. Prof. Department of Visual Communication, Periyar E.V.R. College, Trichy as the subject expert and Mr. John Paulraj, Director of N TV, as the industry expert.

Firstly, Prof. S. Tamilarasi explained the agenda to be followed for the meeting to the members. She then gave the nomenclature of B.Sc. Visual Communication. In the meeting, the members suggested the following changes to be made in the syllabus.
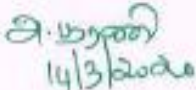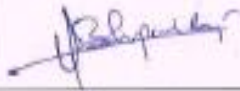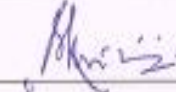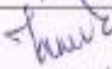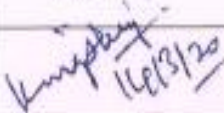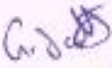
- In Arts and Aesthetics paper, a new unit on Renaissance art can be added.
- In Media Culture and Society paper, Unit III the Impact of Media on Culture title has to be elaborated and in Unit V, the term "culture"should be replaced with 'mainstream culture'.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002

BOARD OF STUDIES IN B. Sc. – VISUAL COMMUNICATION

HELD ON 14.3.2020 AT 2.00 PM

MEMBERS PRESENT

Sl. No.	Name	Signature
01.	Dr. A. Poorani Assistant Professor & Head Dept. of Visual Communication Government Arts College`` Tiruchirappalli – 620 022.	அ.பூரணி 14/3/2020
02.	Dr. I. Senthila Devi Assistant Professor, Dept. of Visual Communication Periyar E.V.R. College, Tiruchirappalli – 620 023.	[signature] 14/3/2020
03.	Mr. John Paulraj Director, N TV Tiruchirappalli – 620 0001	[signature]
04.	~~Dr. I. Anal Rayappan~~ Dr.B. Kanickairaj Nodal Officer	[signature]
05.	Mr. S. Tamilarasi	[signature]
06.	Rev. Fr. A. Infant Kingsley, SJ	[signature] 14/3/20
07.	Mrs. S. Radhalakshmi	[signature]
08.	Mr. G. Sathish	G.Sathish
09.	~~Mr. M. Parthiban~~ Mr. J. Joe Valanarasu	[signature]

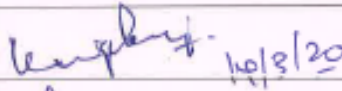# MINUTES OF THE BOARD OF STUDIES IN B.Voc. VISUAL COMMUNICATION TECHNOLOGY HELD ON 14.03.2020
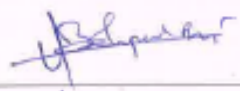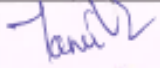
The Department of Visual Communication Technology conducted the Board of Studies meeting for the academic year 2019-20 on 14/03/2020 in jubilee Hall. The meeting was started with a silent prayer. After which Prof. S. Tamilarasi, Head-in-charge of the department welcomed the members of the board. The meeting was attended by Dr. A. Poorni, Head, Department of Visual Communication, Government Arts and Sciences College, Trichy as the university nominee; I. Senthila Devi, Asst. Prof. Department of Visual Communication, Periyar E.V.R. College, Trichyas the subject expert and Mr. John Paulraj, Director of N TV, as the industry expert.

Firstly, Prof. S. Tamilarasi explained the agenda to be followed for the meeting to the members. She then gave the nomenclature of B.Voc Visual Communication Technology. In the meeting, the members suggested the following changes to be made in the syllabus.

- The board recommended to reduce the syllabus of the paper Visual Literacy since it is heavy for the first year UG students.
- The titles related to body language concepts to be removed in the paper 'Introduction to Visual Communication'.
- In the paper Communication Media Scenario, the board recommended to include thestructure and content of e paper.
- Instead of Film Forms and National Cinema titles in Elements of Film, the board recommended to introduce the new concepts on contemporary film makers.
- The title of the value added course should be changed into 'News Production for TV'.
- Level 6 Qualification Pack Marketing manager has been depromoted to level 5. The department selected a new Qualification Pack called script writerfrom the MESC qualification Pack list. The board also confessed to carry on with the same Qualification Pack.

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002
BOARD OF STUDIES IN B. VOC. – VISUAL COMMUNICATION TECHNOLOGY
HELD ON 14.3.2020 AT 11.45 AM
MEMBERS PRESENT

SI. No.	Name	Signature
01.	Dr. A. Poorani Assistant Professor & Head Dept. of Visual Communication Government Arts College" Tiruchirappalli – 620 022.	~~(signature)~~ 14/3/2020
02.	Dr. I. Senthila Devi Assistant Professor, Dept. of Visual Communication Periyar E.V.R. College, Tiruchirappalli – 620 023.	(signature) 14/3/2020
03.	Mr. John Paulraj Director, N TV Tiruchirappalli – 620 0001	(signature)
04.	~~Dr. I. Arul Rayappan~~ Dr. B. Kanickairaj Nodal Officer	(signature)
05.	Mr. S. Tamilarasi	(signature)
06.	Rev. Fr. A. Infant Kingsley, SJ	(signature) 10/8/20
07.	Mrs. S. Radhalakshmi	(signature)
08.	Mr. G. Sathish	(signature)
09.	~~Mr. M. Parthiban~~ Mr. J. Joe Vadamarcon	(signature)

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DEPARTMENT OF B.Voc. SOFTWARE DEVELOPMENT AND SYSTEM ADMINISTRATION

MINUTES OF THE BOARD OF STUDIES IN B.Voc. SOFTWARE DEVELOPMENT AND SYSTEM ADMINISTRATION HELD ON 11.03.2020

The panel members are:

- Dr. S. PanneerArockiaraj – University Representative
  Associate Professor of Computer Science, Periyar EVR College, Trichy
- Dr. T. N. Ravi – Subject Expert
  Assistnat Professor of Computer Science, Periyar EVR College, Trichy
- Mr. I. Johnson – Industry Representative
  CEO, Shalom Infotech, Techno Park, BDU, Trichy
- Mr. S. HariPrasanth – Alumnus

The meeting began with a silent prayer. The Coordinator welcome panel members and other staff members of the department. The following agenda are discussed in the meeting.

Agenda

1) Minor modifications / changes in the existing syllabus
2) Changes in Book for study / reference
3) Any change in Evaluation – Practical and Viva-voce examinations
4) Proposed Value Added Courses for the academic year 2020-21
5) Preparing Examiners list for Theory Papers
6) Any Other academic matter

Agenda 1: Minor Modifications in existing Syllabus

In Semester III, regarding the course System Concept I, the University representative suggested since it is a Vocational programme, instead of having two different concepts like Data Structures and Operating System in the same course, Data Structure alone can be expanded to five units. He also suggested Operating System can be given as separate course in the next revision.

In Semester IV, regarding System Concepts II staff members felt in Unit I and V few topics needs to be removed since the content is heavy to complete the portion. The subject expert agree for it.

The Alumnus suggested in Semester V regarding the course Principles of Mobile Computing, Units I and II can be combined to explain Mobile Computing concepts and Android can be expanded to four units. The house accepted the change.

The modifications carried out based on the suggestions by experts are tabulated below

Semester	Course code	Course name	Modifications	%
III	17USS330403	System Concepts - I	**Unit I** Removed Tree concepts such as Basic Terminology and Binary Trees added into Unit II **Unit II** Removed Complete Development of an Algorithm: Correctness – Implementation – Analysis and Complexity **Unit III** Added Divide and conquer, Greedy method. Removed topics such as Design Methods of an Algorithm: Sub goals-Hill Climbing-Working Backward-Heuristic. Dynamic Programming and added into Unit IV Removed topics Backtracking and Added into Unit V **Unit IV & V** Removed topics related to Operating System	20
V	17USS430404	System Concepts II	**Unit I** Removed Tools for using Internet and Web **Unit V** Removed topics such as Setting up File Server, NFS, Netware File Server	10
VI	17USS630210	Principles of Mobile Computing	**Unit I** *Additions* Modern mobile operating systems and their architecture –GSM, GPRS, UTMS *Deletions* Wireless Networks – Emerging Technologies – Blue tooth, WiFi, WiMAX, 3G, 4G, WATM,Design Considerations, Content Architecture – CC/PP Exchange Protocol, Context Manager **Unit II** AddedAndroid Studio Installation Procedure, Introducing the Android Software Development Platform: Understanding Java SE and Dalvik - The Directory Structure - Common Default Resources Folders- The Values Folder- Leveraging Android XML - Screen Sizes - Desktop Clocks and removed from Unit III	15

Agenda 2: Change in Books

    Nil

Agenda 3: Any change in Evaluation – Practical and Viva-voce examinations

    Nil

Agenda 4: Proposed Value Added Courses for the academic year 2020-21

    Two new Value Added Courses are planned for the next academic year for other department students

    Odd Semester:

        Title: Java Application Development

        Course Coordinators: Mr. S. Lakshmanan and Mr. Selvakumar

    Even Semester

        Title: Android for Mobile Application Development

        Course Coordinators: Ms. S. Sangeetha and Ms. GenoCinthia

Agenda 5: Preparing Examiners list for Theory Papers

    Nil

Agenda 6: Any Other academic matter

    Nil

    The meeting concluded at 3.30 p. m.
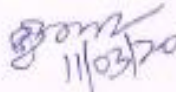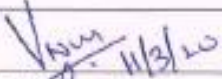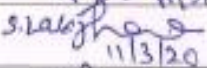
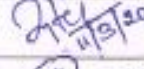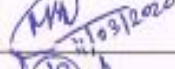   ****

ST JOSEPH'S COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI – 620 002

BOARD OF STUDIES IN

B. VOC. – SOFTWARE DEVELOPMENT & SYSTEM ADMINISTRATION

HELD ON 11.3.2020

MEMBERS PRESENT

Sl. No.	Name	Signature
01	Dr. S. Panneer Arockiaraj Associate Professor Dept of Computer Science Periyar E.V.R. College Tiruchirappalli – 620 023.	
02.	Dr. T.N. Ravi Assistant Professor Dept. of Computer Science Periyar E.V.R. College Tiruchirappalli – 620 023	
03.	Mr. I. Johnson CEO, Shalom Infotech Techno Park Bharathidasan University Khajamalai, Tiruchirappalli – 620 023	
04.	Mr. S. Hari Prasanth Alumnus, B.Voc. SD & SA St. Joseph's College Tiruchirappalli – 620 002	
05.	Mr. S. Hari Prasanth Software Tester – Trainee Infoview Technologies Pvt Ltd 83/3, Twin towers, Karur Bye-Pass Road Annamalai Nagar, Trichy 18	
06.	Dr. V. Jude Nirmal Coordinator	
07.	Mr. S. Lakshmanan	
08.	Mr. R. Selvakumar	
09.	Ms. Sangeetha	
10.	Ms. Merlin Sophia	
11.	Ms. Geno Cinthia	