



Reply to the appeal from the Hon'ble VC, VTU for inclusion of interdisci...

principal@rnsit.ac.in ✓ (January 6, 2020 5:09 PM)

To: "Registrar, VTU Belagavi" <registrar@vtu.ac.in>

CC: "Mkvenkatesha" <mkvenkatesha@gmail.com>



reply_vtu_bos_inc...

32KB



Sir,

Kindly find herewith the attached reply to

1. Your office letter dated Nov 19, 2019 with Ref. No: VTU/PS/2019-20/7048 and
2. Your office letter dated Dec 20, 2019 with Ref. No: VTU/Aca/A-9/2019-20/8074

with the following subjects:

Sub 1: Reply to the appeal from the Hon'ble VC, VTU for inclusion of interdisciplinary courses in the VTU M.Tech Programme Curriculum 2020-21

Sub 2: % of modification/ change effected in the VTU M.Tech Programme Curriculum 2020-21

Regards,

Yours faithfully,

Dr. M K Venkatesha

Chairman, ECE BoS, VTU, Belgaum

Principal, RNS Institute of Technology

Channasandra, Rajarajeshwari Post, Bengaluru - 560 098

Bus

F-6 JAN 2020

veena

07-1-2020

Gur



VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI

Scheme of Teaching and Examinations and Syllabus

M.Tech AUTOMOTIVE ENGINEERING (MAU)

(Effective from Academic year 2020 - 21)

% Change of PROGRAM = PCC: 53.84
= PEC: 58.33%
+ 4 NEW ELECTIVES

I SEM

Sl. No	Course	Course Code	Course Title	% change of contents in a course	% Change of courses in semester
1	PCC	20 MAU11	Title Of The Course (Mathematics course)	NA	17.41
2	PCC	20MAU12	Advances in Automotive engines & systems	60	
3	PCC	20MAU13	Noise Vibration Harshness	0	
4	PCC	20MAU14	Automotive Chassis & power transmission	40	
5	PCC	20MAU15	Alternative fuels, engine emission & emission control norms	10	
6	PCC	20MAUL16	Automotive Engineering Laboratory-I	10	
7	PCC	20RMI17	Research Methodology and IPR	0	

II SEM

Sl. No	Course	Course Code	Course Title	% change of contents in a course	% Change of courses in semester
1	PCC	20MAU21	Vehicle dynamics	100	73.33
2	PCC	20 MAU22	Autotronics	100	
3	PCC	20 MAU23	Automotive body engineering & safety	20	
4	PEC	20 MAU24X	Professional elective 1	NA	50
5	PEC	20XXX25X	Professional elective 2	NA	50
6	PCC	20 MAUL26	Automotive Engineering Laboratory-II	33	33

Professional Elective 1			Professional Elective 2		
Course Code under 20MAU24X	Course title	Course Code under 20MAU24X	Course Code under 20MAU25X	Course title	Course Code under 20MAU25X
20MAU241	Autonomous vehicles	20MAU241	20MAU251	Advanced Machine Design	20MAU251
20MAU242	Vehicle performance	20MAU242	20MAU252	SI and CI Engine Processes Simulation	20MAU252
20MAU243	Automotive control systems	20MAU243	20MAU253	Computational fluid dynamics	20MAU253
20MAU244	Engine management systems	20MAU244	20MAU254	Design of Heat Transfer Equipment	20MAU254

III SEM

Sl. No	Course	Course Code	Course Title	% change of contents in a course	% Change of courses in program
1	PCC	20MAU31	Hybrid and Electric vehicles	100%	88.88
2	PEC	20MAU32X	Professional elective 3	75%	
3	PEC	20MAU33X	Professional elective 4	100%	

Professional Elective 3			Professional Elective 4		
Course Code under 20MAU32X	Course title	Course Code under 20MAU32X	Course Code under 20MAU33X	Course title	Course Code under 20MAU33X
20MAU321	Automotive Embedded Systems	20MAU321	20MAU331	Machine Learning	20MAU331
20MAU322	Industry 4.0 And IIOT In Automotive Vehicles	20MAU322	20MAU332	Artificial Intelligence	20MAU332
20MAU323	Advanced Manufacturing Technology	20MAU323	20MAU333	Finite Element Method	20MAU333
20MAU324	Vehicle Aerodynamics & Ergonomics	20MAU324	20MAU334	Automotive Materials	20MAU334

BOS IN ARCHITECTURE

MINUTES OF MEETING

Meeting date | time 12.04.2020 & 15.04.2020/ 10 AM to 13.30 PM

Meeting location: Webex Meeting ID: 578 630 191 [Online]

Meeting Called By: Prof. Dr. Sapna Papu, Chairman, BOS - Architecture

Members Present: All the BOS Members and Heads of BMSCA, RVCA, BMSSA, Impact School of Architecture and PDA, Gulbarga along with their subject experts.

Agenda:

- 1) Final draft of 2020 M.Arch Syllabus for:
 - a) Urban Design (BMSSA & RVCA)
 - b) Habitat Design (BMSCA)
 - c) Digital Architecture (IMPACT SA and BMSSA)
 - d) Project Construction Management (SJB SAP)
- 2) 2020 syllabus completion, postponement of examinations and other related issues.

Meeting Discussion:

Agenda I) a) On 12/4/2020, BMSSA presented the Draft of Urban Design scheme and syllabus. They had prepared two models and discussed in detail. Few modifications were suggested by the Board. On 15/4/2020, RVCA faculty presented UD Scheme and the Board will finalize the final draft, by 17 April 2020.

b) Digital Architecture syllabus and scheme was presented to the Board by BMSSA and IMPACT SA and a few corrections were suggested by the board.

c) Draft syllabus/ scheme of CPM was presented by SJB SAP on 12/4/2020 and 15/4/2020 and good suggestions were made by the Board to be further incorporated.

All colleges have been asked to make corrections and resubmit on or before 17th April 2020 to the Chairman, BOS, VTU.

After seeing the preliminary presentations of all programs, the members of the meeting emphasized on making few commonalities in terms of Credit distributions, content of third and fourth semester especially with respect to Dissertation stage –I and Dissertation Stage –II and the respective credits. Also, the focus of the discussion was on total number of courses across each semester. Credits for Core

BOS IN ARCHITECTURE

MINUTES OF MEETING

courses, Supportive courses and Elective courses are also discussed in detail. The discussion was also on course codes and contact hours. Introduction of Multidisciplinary online courses was also well appreciated by the members. Subjects like GIS and Research Methods and the content were also the discussions during the meeting.

Agenda II) After deliberations, the Board hereby suggests to VTU that

- 1) **Interchanging 9th and 10th semesters for one time only:** The 2015 CBCS Scheme requires the students to undergo **Practical Training** in the **9th Semester** and take up **Thesis Project** in the **10th Semester**. In view of the current situation, the **2016 batch students may be permitted to take up the Thesis Project in the 9th Semester and go in for Practical Training in the 10th semester**. Thereby, students will benefit by gaining additional time to apply for Internship to offices after 6 months. This is a request for this year and Batch only.
- 2) **Postponing Semester End Examinations:** Examinations can be held during the **month end of July 2020, or August 2020** for the graduating students of the **10th Semester** and all other semesters.
- 3) As per feedback from many faculty and students, all are ready to take up Theory and VIVAS during **August 2020** and **commence the following Odd semester from September 2020**.
- 4) However, if the COVID19 does not settle down, 2nd, 4th, 6th, 8th and 10th semester Theory and VIVA Examinations may be postponed to the next academic year, **subjects equally divided in two semesters**. Further, BOS requests that this need not be considered as arrears.

This is arrived at, after discussions with students across schools, faculty and Heads of Institutions.

For your kind information and needful.

Thanking you,

Yours sincerely,

Dr. Sapna Papu
Chairperson, BOS – Architecture
VTU, Belagavi

BOS IN ARCHITECTURE

MINUTES OF MEETING

Meeting date | time 12.04.2020 & 15.04.2020/ 10 AM to 13.30 PM

Meeting location: Webex Meeting ID: 578 630 191 [Online]

Meeting Called By: Prof. Dr. Sapna Papu, Chairman, BOS - Architecture

Members Present: All the BOS Members and Heads of BMSCA, RVCA, BMSSA, Impact School of Architecture and PDA, Gulbarga along with their subject experts.

Agenda:

- 1) Final draft of 2020 M.Arch Syllabus for:
 - a) Urban Design (BMSSA & RVCA)
 - b) Habitat Design (BMSCA)
 - c) Digital Architecture (IMPACT SA and BMSSA)
 - d) Project Construction Management (SJB SAP)
- 2) 2020 syllabus completion, postponement of examinations and other related issues.

Meeting Discussion:

Agenda I) a) On 12/4/2020, BMSSA presented the Draft of Urban Design scheme and syllabus. They had prepared two models and discussed in detail. Few modifications were suggested by the Board. On 15/4/2020, RVCA faculty presented UD Scheme and the Board will finalize the final draft, by 17 April 2020.

b) Digital Architecture syllabus and scheme was presented to the Board by BMSSA and IMPACT SA and a few corrections were suggested by the board.

c) Draft syllabus/ scheme of CPM was presented by SJB SAP on 12/4/2020 and 15/4/2020 and good suggestions were made by the Board to be further incorporated.

All colleges have been asked to make corrections and resubmit on or before 17th April 2020 to the Chairman, BOS, VTU.

After seeing the preliminary presentations of all programs, the members of the meeting emphasized on making few commonalities in terms of Credit distributions, content of third and fourth semester especially with respect to Dissertation stage –I and Dissertation Stage –II and the respective credits. Also, the focus of the discussion was on total number of courses across each semester. Credits for Core

BOS IN ARCHITECTURE

MINUTES OF MEETING

courses, Supportive courses and Elective courses are also discussed in detail. The discussion was also on course codes and contact hours. Introduction of Multidisciplinary online courses was also well appreciated by the members. Subjects like GIS and Research Methods and the content were also the discussions during the meeting.

Agenda II) After deliberations, the Board hereby suggests to VTU that

- 1) **Interchanging 9th and 10th semesters for one time only:** The 2015 CBCS Scheme requires the students to undergo **Practical Training** in the **9th Semester** and take up **Thesis Project** in the **10th Semester**. In view of the current situation, the **2016 batch students may be permitted to take up the Thesis Project in the 9th Semester and go in for Practical Training in the 10th semester**. Thereby, students will benefit by gaining additional time to apply for Internship to offices after 6 months. This is a request for this year and Batch only.
- 2) **Postponing Semester End Examinations:** Examinations can be held during the **month end of July 2020, or August 2020** for the graduating students of the **10th Semester** and all other semesters.
- 3) As per feedback from many faculty and students, all are ready to take up Theory and VIVAS during **August 2020** and **commence the following Odd semester from September 2020**.
- 4) However, if the COVID19 does not settle down, 2nd, 4th, 6th, 8th and 10th semester Theory and VIVA Examinations may be postponed to the next academic year, **subjects equally divided in two semesters**. Further, BOS requests that this need not be considered as arrears.

This is arrived at, after discussions with students across schools, faculty and Heads of Institutions.

For your kind information and needful.

Thanking you,

Yours sincerely,

Dr. Sapna Papu
Chairperson, BOS – Architecture
VTU, Belagavi

E & C Subject List									
Signal Processing (ESP)		Industrial Electronics (EIE)		M.Tech 2018 Scheme ELD		M.Tech 2020 Scheme ECS		EVE VLSI Design & Embedded Systems	
Sub Code	Subject	Sub Code	Subject	Sub Code	Subject	Sub Code	Subject	Sub Code	Subject
20ELD11	Advanced Engineering Mathematics	20ELD11	Advanced Engineering Mathematics	20ELD11	Advanced Engineering Mathematics	20ELD11	Advanced Engineering Mathematics	20ELD11	Advanced Engineering Mathematics
20ECS12	Advanced Digital Signal Processing	20ECS12	Advanced Digital Signal Processing	20ECS12	Advanced Digital Signal Processing	20ECS12	Advanced Digital Signal Processing	20EVE12	ASIC Design
20EVE13	Advanced Embedded Systems	20EVE13	Advanced Embedded Systems	20EVE13	Advanced Embedded Systems	20EVE13	Advanced Embedded System	20EVE13	Advanced Embedded System
20ESP14	Multirate Systems and Filter Banks	20ELD14	Digital Circuit and Logic Design	20ELD14	Digital Circuit and Logic Design	20ECS14	Advanced Communication Systems - I	20EVE14	VLSI Testing
20ESP15	Digital Compression	20EIE15	Advanced Control System	20EVE15	Digital VLSI Design	20ECS15	Advanced Computer Communication Networks	20EVE15	Digital VLSI Design
20RMI17	Research Methodology and IPR	20RMI17	Research Methodology and IPR	20RMI17	Research Methodology and IPR	20RMI17	Research Methodology and IPR	20RMI17	Research Methodology and IPR
20ESP21	Image Processing and Machine Vision	20EIE21	Process Control Instrumentation	20ELD21	Advanced Computer Architecture	20ECS21	Advanced Communication Systems - 2	20EVE21	Design of Analog and Mixed Mode VLSI Circuits
20ESP22	DSP System Design	20EVE22	Real Time Operating System	20EVE22	Real Time Operating System	20ECS22	Antenna Theory and Design	20EVE22	Real Time Operating System
20ECS23	Error Control Coding	20EIE23	Design of Power Converters	20ECS23	Error Control Coding	20ECS23	Error Control Coding	20EVE23	System Verilog
20ECS241	Wireless Sensor Networks	20ECS241	Wireless Sensor Networks	20ECS241	Wireless Sensor Networks	20ECS241	Wireless Sensor Networks	20EVE241	Advances in VLSI Design
20EVE242	Nanoelectronics	20EVE242	Nanoelectronics	20EVE242	Nanoelectronics	20EVE242	Nanoelectronics	20EVE242	Nanoelectronics
20ECS243	Cryptography and Network Security	20ECS243	Cryptography and Network Security	20ECS243	Cryptography and Network Security	20ECS243	Cryptography and Network Security	20EVE243	Static Timing Analysis
20EVE244	Reconfigurable Computing	20EVE244	Reconfigurable Computing	20EVE244	Reconfigurable Computing	20ECS244	Optical communication and networking (2016)	20EVE244	Reconfigurable Computing
20ESP251	Biomedical Signal Processing	20EIE251	Automotive Electronics	20EIE251	Automotive Electronics	20ECS251	Multimedia Over Communication Links	20EVE251	Low Power VLSI Design
20ECS252	Statistical Signal Processing	20EIE252	Industrial Drives	20EVE252	SoC Design	20ECS252	Statistical Signal Processing	20EVE252	SoC Design
20ELD253	Micro Electro Mechanical Systems	20ELD253	Micro Electro Mechanical Systems	20ELD253	Micro Electro Mechanical Systems	20ELD253	Micro Electro Mechanical Systems	20ELD253	Micro Electro Mechanical Systems
20ESP254	Detection and Estimation	20EIE254	Synthesis and Optimization of Digital Circuits (20ELD31)	20ELD254	Advanced Control System (20EIE15)	20ECS254	Simulation, Modeling and Analysis	20EVE254	HIGH FREQUENCY GaN ELECTRONIC DEVICES
20ESP31	Adaptive Signal Processing	20EIE31	PLCs and Industrial Automation	20ELD31	Synthesis and Optimization of Digital Circuits	20ECS31	LTE 4G Broadband	20EVE31	CAD of Digital Systems
20ESP321	Array Signal Processing	20ECS321	Advances in Image Processing	20ECS321	Advances in Image Processing	20ECS321	Advances in Image Processing	20EVE321	Machine Learning in VLSI CAD
20EIE322	Medical Imaging	20EIE322	Medical Imaging	20EVE322	CMOS RF Circuits Design	20ECS322	Array Signal Processing	20EVE322	CMOS RF Circuit Design
20ELD323	Business Intelligence and its Applications	20ECS323	Real Time Systems	20ELD323	Business Intelligence and its Applications	20ECS323	Real Time Systems	20EVE323	Embedded Linux System Design and Development
20ESP324	Speech and Audio Processing	20ECS324	RF MEMS	20ECS324	RF MEMS	20ECS324	RF MEMS (2014 scheme)	20EVE324	Advanced Computer Architecture (20ELD21)
20EVE331	VLSI Design for Signal Processing	20EIE331	Advanced Power Electronic Converters and Applications	20EVE331	VLSI Design for Signal Processing	20ECS331	RF and Microwave Circuit Design	20EVE331	VLSI Design for Signal Processing
20ESP332	Pattern Recognition & Machine Learning	20ESP332	Pattern Recognition & Machine Learning	20ESP332	Pattern Recognition & Machine Learning	20ESP332	Pattern Recognition & Machine Learning	20ESP332	Pattern Recognition & Machine Learning
20ECS333	Internet of Things	20ECS333	Internet of Things	20ECS333	Internet of Things	20ECS333	Internet of things	20ECS333	Internet of things
20ECS334	Communication System design using DSP algorithm	20ECS334	Communication System design using DSP algorithm	20ECS334	Communication System design using DSP algorithm	20ECS334	Communication System design using DSP algorithm	20EVE334	Long Term Reliability of VLSI Systems

Legend

Sl. No.	Colour	Description
1		Elective added from CS branch to satisfy POs – PO6(The engineer and society), PO11 (Project management and finance)
2		Extra 4 th elective added –to Professional Elective 1,2 streams in 2 nd and also in Professional Elective 3,4 stream in 3 rd sem
3		Completely new subject – latest 2020 syllabus & books
4		Subjects with lab component added as part of CIE evaluation
5		18 syllabus errors rectified
6		Syllabus completely changed

Note: ALL subjects are with 5 COs (Course Outcomes).

Many text books, authors, etc. have been verified.

Any further changes to be done, kindly notify at the earliest to:

BoS Chairman: Dr. M K Venkatesha

Email : mkvenkatesha@gmail.com

Online Meeting (CISCO WEBEX)
VTU: Board of Studies (BOS- Biotechnology Board) meeting

Proceedings of the meeting:

Agenda DISCUSSIONS REGARDING Scheme and Syllabus

Minutes of meeting held on Tuesday, May 5th, 2020 between 10:20 am to 1:30 pm

Agenda	1.	Discussion and finalization of Scheme and Syllabus for M.Tech course in Biotechnology, Biotechnology and Biochemical Engg. and Bioinformatics
	2.	Framing the M.Tech Scheme and Syllabus as for VTU format for Food Biotechnology course Proposed by BEC Bagalkote from 2020-21 onwards
	3.	Any other matters
Date	Tuesday, May 5th, 2020	
Time	10.20 AM to 1.30 PM	
Venue	Online Meeting with Cisco-Webex	

Member Presented in the meeting

1. Dr. B E Rangaswamy, Professor & Head, Department of Biotechnology, BIET, Davangere- **Chairman, BoS in Biotechnology.**
2. Dr. Nagendra, Professor & Head, Department of Biotechnology, Sir MVIT, Bengaluru- **Member-BoS.**
3. Dr. B K Manjunath, Professor & Head, Department of Biotechnology, Oxford College of Engineering, Bengaluru- **Member-BoS.**
4. Dr. C.P.Chandrappa, Professor, Shridevi Institute of Engg & Technology, Tumkuru-572106- **Member-BoS**
5. Dr. N S Kumar, Joint Director & Scientist F, Defense Bio engineering & Elector medical Laboratory (DEBEL), P B No 9326, CV Raman Nagar, Bangalore-560093- **Member-BoS** (Opinion collected through Telephone and what sup calls due to Server issues)
6. Dr. Balakrishna Yadav for, Jain Irrigation Systems Ltd., CTS No 7737/24/b, Sector 12, Khusro Nagar, M.M extension, Belagavi-590016. **Member-BoS**
7. Dr. Nagashree N Rao, Professor of Biotechnology, R V College of Engineering, Bangalore – **Expert Invitee**
8. Dr Anu Appaiah, K A, Senior Principal Scientist, Microbiology and Fermentation Technology, CFTRI, Mysuru-570020- **Expert Invitee for Food Biotechnology Course Proposed by BEC Bagalkote**
9. Dr. Bharathi Meti, Professor & Head, Department of Biotechnology, BEC Bagalkote. Invited as member from Course Proposed Institute.

Following member was absent due to network issue.

11

12

13

1. Dr. Chandrasekhar Naik Professor of Biotechnology, Professor & Head, Department of Biotechnology, Sir MVIT, Bengaluru- **Chairman, BOE**

Dr. B E Rangaswamy, Chairman VTU- BOS (Biotech Board) welcomed all the members, special invitee and expert invitee and the following points were discussed:

Agenda #	Discussions and Resolutions
1	Finalization of Scheme and syllabus for M.Tech Biotechnology, Biotechnology and Biochemical Engg. and Bioinformatics courses
BOS chairman read the complete scheme of the for M.Tech Biotechnology, Biotechnology and Biochemical Engg.,and Bioinformatics courses. All the members agreed and finalized scheme and important points related to syllabus.	

Agenda #	Discussions and Resolutions
2	Framing the M.Tech Scheme and Syllabus as for VTU format for Food Biotechnology course Proposed by BEC Bagalkote from 2020-21
<ol style="list-style-type: none">1. Chairman (VTU-BOS) gave an overview of the important points to be notes for framing the scheme and Syllabus of Food Biotechnology.2. Dr. Nagendra and Dr. N S Kumar emphasized that Numerical and Biostatistics course be a common course for the M Tech programs under Biotech Board.3. Dr Anu Appaiah mentioned that Food Law should be included along with Food analysis course and stressed on its importance in current scenario4. Dr Manjunath suggested that there should be a course on automation and robotics in food technology5. Dr. Balakrishna Yadav expressed that a course on Human Nutrition should be included6. Chairman, Dr Nagendra, Dr Manjunath, Dr Chanrdappa and Dr Nagashree N Rao suggested to include a fundamental course in the 1st semester. Dr Anu Appaiah opined that for M Tech Food Technology, Genetics course was not required. Dr Nagendra and Dr Nagashree suggested Genetically modified Foods to be included in one of the course.7. Dr Bharathi Meti empathized about the courses to be included as Electives.8. All the members opined that Genomics, Proteomics & Bioinformatics, Food production system and post-harvest technology and Meat & marine food products may be included as elective subjects and fundamentals of Food engineering can be one of the basic subject.9. Dr Bharathi Meti noted all the suggestions and Dr. B E Rangaswamy told the members to go through the scheme and syllabus and to send the comments for revision by the end of this week.10. Finalized Scheme of and Syllabus for Food Biotechnology may be by 23rd May 2020 to VTU.11. Finally Dr. B E Rangaswamy, Chairman BoS thanked all the members on behalf of the VTU and informed them to submit the remuneration bill in the Prescribe format at the earliest.	

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
Scheme of Teaching and Examination 2018 – 19 Choice Based Credit System (CBCS) and Outcome Based Education (OBE) (Effective from the academic year 2018 – 19)
Online Meeting (CISCO WEBEX)

VII SEMESTER			VTU: Board of Studies (BOS- Biotechnology Board) meeting						
Proceedings of the meeting: Agenda DISCUSSIONS REGARDING Scheme and Syllabus			Teaching Hours /Week			Examination			CREDITS
			THEORY	Tutorial	Practical/Drawing	Durations in hours	E Marks	SEE MARKS	
No	Course code	Course Title	L	T	P				Total Marks
Minutes of meeting held on Tuesday, May 5th, 2020 between 10:20 am to 1:30 pm									
1	PCC	18MA71 Control Engineering	2	2		03	40	60	100
2	Agenda	18MA72 Discussion and finalization of Scheme and Syllabus for M. Tech course in Biotechnology, Biotechnology and Biochemical Engg. and	3	--	--	03	40	60	100
3	PEC	18MA73X Professional Elective - 2	3	--	--	03	40	60	100
4	PEC	18MA73Y Professional Elective - 3	3	--	--	03	40	60	100
5	OEC	18MA75X Open Elective - B	3	--	--	03	40	60	100
6	PCC	18MAL76 Modeling and Simulation Lab	--	2	2	03	40	60	100
7	PCC	18MAL77 Food Biotechnology course Proposed by BEC Bagalkote from 2020-21 onwards	--	2	2	03	40	60	100
8	Project	18MA778 Project Work Phase - 1	--	--	2	--	100	--	100
9	Internship	3. -- Any other matters	--	--	--	--	--	--	--
TOTAL			14	06	06	21	380	420	800

Date	Tuesday, May 5th, 2020
Time	10:20 AM to 1:30 PM
Course code under 18MA73X	Course Title
18MA732	Online Meeting with Cisco-Webex
18MA732	Quality Assurance
18MA733	Jigs and Fixtures

Member Presented in the meeting		Professional Electives - 3
Course code under 18MA74X	Course Title	
18MA741	Facility Planning and Design	
18MA742	Process Planning	
18MA743	End-of-line Engineering	

2. Dr. Nagendra, Professor & Head, Department of Biotechnology, Sir MVIT, Bengaluru- Member-BoS.		Open Elective - B
Course code under 18MA75X	Course Title	
18MA751	Supply Chain Management	
18MA752	Optimization Techniques	

Biotechnology, Oxford College of Engineering, Bengaluru- Member-BoS.		
Course code under 18MA75X	Course Title	
18MA751	Supply Chain Management	
18MA752	Optimization Techniques	

Students can select any one of the open electives offered by other Departments except those that are offered by the parent Department (Please refer to the list of open electives under 18MA75X).
 Selection of an open elective shall not be allowed if,
 1. The candidate has studied the same course during the previous semesters of the Programme.
 2. The syllabus content of open elective is similar to that of the Departmental core courses or professional electives.
 3. A similar course, under any category, is prescribed in the higher semesters of the Programme.
 Registration to electives shall be done under the guidance of Programme Coordinator/ Advisor/Mentor.
 Project work (due to Server issues)

Based on the ability/abilities of the student/s and recommendations of the mentor, single discipline or a multi-disciplinary project will be assigned to an individual student or to a group having not more than 4 students. In extraordinary cases, like the funded projects requiring students from different disciplines, the project may be assigned to a group of students from different departments.
 Extension, Belagavi-590016. Member-BoS

CIE procedure for Project Work Phase - 1:
 (i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department.
 (ii) Interdisciplinary: Contribution to the Mini-project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department.

The CIE marks awarded for the Mini-Project work shall be the same for all the batch mates.
 (ii) Interdisciplinary: Contribution to the Mini-project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department.

The CIE marks awarded for the Mini-Project work shall be the same for all the batch mates.
 (ii) Interdisciplinary: Contribution to the Mini-project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department.

SEE for Mini-project:
 (i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department.
 (ii) Interdisciplinary: Contribution to the Mini-project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department.

Following member was absent due to network issue:
 10. Internship: All the students admitted to III year of BE/B.Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VIII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up/ complete the internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the internship requirements.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Dr. B E Rangaswamy
Chairman, Board of Studies in Biotechnology
Visvesvaraya Technological University, Belagavi

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

II SEMESTER											
Sl. No	Course and Course code		Course Title	Teaching Hours /Week		Practical/Drawing	Duration in hours	CIE Marks	SEE MARKS	Total Marks	CREDITS
		L		T	P						
1	PCC	18MA61	Non Destructive Testing	4	0	--	03	40	60	100	4
2	PCC	18MA62	Computer Integrated Manufacturing	4	0	--	03	40	60	100	4
3	PCC	18MA63	Additive Manufacturing	4	0	--	03	40	60	100	4
4	PEC	18MA64X	Professional Elective - I	3	--	--	03	40	60	100	3
5	OEC	18MA65X	Open Elective -A	3	--	--	03	40	60	100	3
6	PCC	18MAL66	Non Destructive Testing Lab	--	2	2	03	40	60	100	2
7	PCC	18MAL67	Additive Manufacturing Lab	--	2	2	03	40	60	100	2
8	MP	18MAP68	Mini-project	--	--	2	03	40	60	100	2
9	INT	--	Internship (To be carried out during the vacations of VI and VII semesters and/or VII and VIII semesters).								
TOTAL				18	04	06	24	320	480	800	24

Note: PCC: Professional Core, PEC: Professional Elective, OEC: Open Elective

18MA641	Tool Engineering	Course code under 18MA64X
18MA642	Machine Tool Design	
18MA643	Maintenance Engineering	
Open Elective - A		
18MA651	Automation and Robotics	
18MA652	Knowledge Management	

Students can select any one of the open electives offered by other Departments except those that are offered by the parent Department (Please refer to the list of open electives under 18XX65X).
Selection of an open elective shall not be allowed if.

- The candidate has studied the same course during the previous semesters of the Programme.

Mini-project work:

(i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.

(ii) **Interdisciplinary:** Continuous Internal Evaluation shall be based on the evaluation of project report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the Mini-Project, shall be based on the evaluation of project report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

(i) **Single discipline:** Contribution to the Mini-project and the performance of each group member shall be assessed individually in the semester end examination (SEE) conducted at the department.

(ii) **Interdisciplinary:** Contribution to the Mini-project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted separately at the departments to which the students belongs to.

Internship: All the students admitted to II year of B.E/B.Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and/or VII and VIII semesters. A University examination shall be conducted during VII semester and the prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take up/complete the internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the internship requirements.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card

1. Dr. Chandrasekhar Naik Professor of Biotechnology, Professor & Head, Department of Biotechnology, Sir MVIT, Bengaluru- **Chairman, BOE**

Dr. B E Rangaswamy, Chairman VTU- BOS (Biotech Board) welcomed all the members, special invitee and expert invitee and the following points were discussed:

Agenda #	Discussions and Resolutions
1	Finalization of Scheme and syllabus for M.Tech Biotechnology, Biotechnology and Biochemical Engg. and Bioinformatics courses
BOS chairman read the complete scheme of the for M.Tech Biotechnology, Biotechnology and Biochemical Engg., and Bioinformatics courses. All the members agreed and finalized scheme and important points related to syllabus.	

Agenda #	Discussions and Resolutions
2	Framing the M.Tech Scheme and Syllabus as for VTU format for Food Biotechnology course Proposed by BEC Bagalkote from 2020-21
<ol style="list-style-type: none">1. Chairman (VTU-BOS) gave an overview of the important points to be notes for framing the scheme and Syllabus of Food Biotechnology.2. Dr. Nagendra and Dr. N S Kumar emphasized that Numerical and Biostatistics course be a common course for the M Tech programs under Biotech Board.3. Dr Anu Appaiah mentioned that Food Law should be included along with Food analysis course and stressed on its importance in current scenario4. Dr Manjunath suggested that there should be a course on automation and robotics in food technology5. Dr. Balakrishna Yadav expressed that a course on Human Nutrition should be included6. Chairman, Dr Nagendra, Dr Manjuanth, Dr Chanrdappa and Dr Nagashree N Rao suggested to include a fundamental course in the 1st semester. Dr Anu Appaih opined that for M Tech Food Technology, Genetics course was not required. Dr Nagendra and Dr Nagashree suggested Genetically modified Foods to be included in one of the course.7. Dr Bharathi Meti empathized about the courses to be included as Electives.8. All the members opined that Genomics, Proteomics & Bioinformatics, Food production system and post-harvest technology and Meat & marine food products may be included as elective subjects and fundamentals of Food engineering can be one of the basic subject.9. Dr Bharathi Meti noted all the suggestions and Dr. B E Rangaswamy told the members to go through the scheme and syllabus and to send the comments for revision by the end of this week.10. Finalized Scheme of and Syllabus for Food Biotechnology may be by 23rd May 2020 to VTU.11. Finally Dr. B E Rangaswamy, Chairman BoS thanked all the members on behalf of the VTU and informed them to submit the remuneration bill in the Prescribe format at the earliest.	

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
Scheme of Teaching and Examination 2018 – 19 Choice Based Credit System (CBCS) and Outcome Based Education (OBE) (Effective from the academic year 2018 – 19)

V SEMESTER

V SEMESTER										
Sl. No	Course and Course code	Course Title	Teaching Hours /Week	Examination	CREDITS					
1	HSMC 18MA51	Management and Entrepreneurship	L	Duration in hours	Total Marks					
2	PCC 18MA52	Computer Aided Design and Manufacturing	T							
3	PCC 18MA53	Metal Forming	P							
4	PCC 18MA54	Elements of Machine Design								
5	PCC 18MA55	Statistical Quality Control								
6	PCC 18MA56	Operational Research		CIE Marks	SEE MARKS					
7	PCC 18MAL57	Computer Aided Design and Manufacturing Lab								
8	PCC 18MAL58	Work shop and Machine Shop practice(consists of fitting, welding and machining)								
9	HSMC 18CIV59	Environmental Studies								
TOTAL										
25	900	100	1	02	40	60	540	360	26	04
2	100	100	2	03	40	60	2	03	06	20

Note: PCC: Professional Core, HSMC: Humanity and Social Science

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Proceedings of the meeting:

Agenda DISCUSSIONS REGARDING Scheme and Syllabus

Minutes of meeting held on Tuesday, May 5th, 2020 between 10:20 am to 1:30 pm

Agenda	1.	Discussion and finalization of Scheme and Syllabus for M.Tech course in Biotechnology, Biotechnology and Biochemical Engg. and Bioinformatics
	2.	Framing the M.Tech Scheme and Syllabus as for VTU format for Food Biotechnology course Proposed by BEC Bagalkote from 2020-21 onwards
	3.	Any other matters
Date	Tuesday, May 5th, 2020	
Time	10.20 AM to 1.30 PM	
Venue	Online Meeting with Cisco-Webex	

Member Presented in the meeting

1. Dr. B E Rangaswamy, Professor & Head, Department of Biotechnology, BIET, Davangere- **Chairman, BoS in Biotechnology.**
2. Dr. Nagendra, Professor & Head, Department of Biotechnology, Sir MVIT, Bengaluru- **Member-BoS.**
3. Dr. B K Manjunath, Professor & Head, Department of Biotechnology, Oxford College of Engineering, Bengaluru- **Member-BoS.**
4. Dr. C.P.Chandrappa, Professor, Shridevi Institute of Engg & Technology, Tumkuru-572106- **Member-BoS**
5. Dr. N S Kumar, Joint Director & Scientist F, Defense Bio engineering & Elector medical Laboratory (DEBEL), P B No 9326, CV Raman Nagar, Bangalore-560093- **Member-BoS** (Opinion collected through Telephone and what sup calls due to Server issues)
6. Dr. Balakrishna Yadav for, Jain Irrigation Systems Ltd., CTS No 7737/24/b, Sector 12, Khusro Nagar, M.M extension, Belagavi-590016. **Member-BoS**
7. Dr. Nagashree N Rao, Professor of Biotechnology, R V College of Engineering, Bangalore – **Expert Invitee**
8. Dr Anu Appaiah, K A, Senior Principal Scientist, Microbiology and Fermentation Technology, CFTRI, Mysuru-570020- **Expert Invitee for Food Biotechnology Course** Proposed by BEC Bagalkote
9. Dr. Bharathi Meti, Professor & Head, Department of Biotechnology, BEC Bagalkote. Invited as member from Course Proposed Institute.

Following member was absent due to network issue.

1. Dr. Chandrasekhar Naik Professor of Biotechnology, Professor & Head, Department of Biotechnology, Sir MVIT, Bengaluru- **Chairman, BOE**

Dr. B E Rangaswamy, Chairman VTU- BOS (Biotech Board) welcomed all the members, special invitee and expert invitee and the following points were discussed:

Agenda #	Discussions and Resolutions
1	Finalization of Scheme and syllabus for M.Tech Biotechnology, Biotechnology and Biochemical Engg. and Bioinformatics courses
BOS chairman read the complete scheme of the for M.Tech Biotechnology, Biotechnology and Biochemical Engg.,and Bioinformatics courses.All the members agreed and finalized scheme and important points related to syllabus.	

Agenda #	Discussions and Resolutions
2	Framing the M.Tech Scheme and Syllabus as for VTU format for Food Biotechnology course Proposed by BEC Bagalkote from 2020-21
<ol style="list-style-type: none">1. Chairman (VTU-BOS) gave an overview of the important points to be notes for framing the scheme and Syllabus of Food Biotechnology.2. Dr. Nagendra and Dr. N S Kumar emphasized that Numerical and Biostatistics course be a common course for the M Tech programs under Biotech Board.3. Dr Anu Appaiah mentioned that Food Law should be included along with Food analysis course and stressed on its importance in current scenario4. Dr Manjunath suggested that there should be a course on automation and robotics in food technology5. Dr. Balakrishna Yadav expressed that a course on Human Nutrition should be included6. Chairman, Dr Nagendra, Dr Manjuntan, Dr Chanrdappa and Dr Nagashree N Rao suggested to include a fundamental course in the 1stsemester. Dr Anu Appaiah opined that for M Tech Food Technology, Genetics course was not required. Dr Nagendra and Dr Nagashree suggested Genetically modified Foods to be included in one of the course.7. Dr Bharathi Meti empathized about the courses to be included as Electives.8. All the members opined that Genomics, Proteomics & Bioinformatics, Food production system and post-harvest technology and Meat& marine food products may be included as elective subjects and fundamentals of Food engineering can be one of the basic subject.9. Dr Bharathi Meti noted all the suggestions and Dr. B E Rangaswamy told the members to go through the scheme and syllabus and to send the comments for revision by the end of this week.10. Finalized Scheme of and Syllabus for Food Biotechnology may be by 23rd May 2020 to VTU.11. Finally Dr. B E Rangaswamy, Chairman BoS thanked all the members on behalf of the VTU and informed them to submit the remuneration bill in the Prescribe format at the earliest.	

Dr. B E Rangaswamy
Chairman, Board of Studies in Biotechnology
Visvesvaraya Technological University, Belagavi

Proceedings of BOS Meeting of CS/IS Board

Date of meeting through online: 09-05-2020 Time: 4:00 pm – 6:00 pm

Medium: Zoom online meeting Application

Chairman welcomed all the members to the online meeting. Following are the topics discussed in the meeting , and the suggestions given by the members are incorporated in the scheme and syllabus of UG/PG courses.

sln	Agenda	Resolution
1	Regarding PG Schemes and Syllabus	<p>Scheme and Syllabus of PG Courses such as SCS, SCN, SCE,LNI, SIT,SFC and SSE are thoroughly discussed in the meeting, and finalized</p> <ol style="list-style-type: none"> 1. ADBMS subject is introduced in the first semester M.Tech SCS 2. Block chain technology is moved to second semester. 3. Suggestion to merge Soft computing and deep learning subject and it is made as a core subject for the 3rd semester. 4. First semester lab experiments are designed using ADBMS and advanced algorithms subjects. 5. For the Second semester laboratory, experiments are to be carried out related to data science subject along with mini project (any area)
2	Scheme and syllabus for BE (AI-ML)and CS-BS Program	<p>AIML:The scheme from 5th sem to 8th sem is thoroughly discussed and finalized. Since many new subjects are introduced all the members are agreed to prepare syllabus for the same.</p> <p>CSBS:The scheme and syllabus submitted by the TCS group is discussed in the meeting, and committee requested Dr Angadi sir to modify the scheme as per the VTU format. Committee decided to take further step after the university gives directions for the same.</p>
3	Discussion on proposals submitted by the affiliated/autonomous colleges to start new UG programs of CS derived programs.	<ol style="list-style-type: none"> 1. Committee resolved to prepare the syllabus for the programs submitted by the affiliated colleges when the AICTE and VTU gives approval for the same . 2. Committee decided to introduce at least 50% related subjects of the new programme and remaining subjects may be borrowed from the core subjects of CS/IS programmes. 3. For the autonomous college submitted programs ; Since the colleges are having academic autonomy they can take approval from the corresponding BOS and academic councils of the college.

Members Present

Name	E-mail	Phone
Dr. Shridhar	ks_shreedhara@yahoo.com	94480 09306
Dr Antony P J	antonyjohn@gmail.com	97414 89242
Dr. B Shadaksharappa	bichagal@sairamce.edu.in	94484 80620
Dr. G T Raju	gtraju1990@yahoo.com	94483 08345
Dr. J Prakash	jogaiahprakash@gmail.com	98450 70991
Dr. M S Dinesh	dinesh.m.s@philips.com	98803 82993
Dr. P V Bhat	ppvbhat.vcet@gmail.com	94480 61575
Dr. Rekha B Venkatapur	rekhabvenkatapur@ksit.edu.in	97402 95819
Dr. Shanmukappa Angadi	saangadi@vtu.ac.in	94819 81542
Dr. Sreenivas Ramanujam	Sreenivasa.ramanujam@tcs.com	80672 57654
Dr. Thippeswamy G	gangappa@gmail.com	94488 64856
Yerriswamy T	swamy1976ty@gmail.com	99861 87999



Academic VTU <academicsyl2018@gmail.com>

proceedings of BOS meeting

7 messages

shreedhara ks <ks_shreedhara@yahoo.com>

14 May 2020 at 14:41

Reply-To: shreedhara ks <ks.shreedihara@gmail.com>

To: "Yerriswamy T." <swamy1976ty@gmail.com>, "Dr. G. T. Raju" <gtraju1990@yahoo.com>, "Yerriswamy T." <yerriswamy.t@kleit.ac.in>, "Dr. Shanmukappa Angadi" <saangadi@vtu.ac.in>, shreedhara ks <ks_shreedhara@yahoo.com>, "Dr. Sreenivas Ramanujam" <sreenivasa.ramanujam@tcs.com>, "Dr. Rekha B. Venkatapur" <rekhabvenkatapur@ksit.edu.in>, "Dr. B. Shadaksharappa" <bichagal@sairamce.edu.in>, "Dr. Antony P. J." <antonyjohn@ajiet.edu.in>, Vtu Academic <bos.vtu@gmail.com>, "Dr. J. Prakash" <jogaiahprakash@gmail.com>, "Dr. M. S. Dinesh" <dineshmys@gmail.com>, "dean_academics@bmsit.com" <dean_academics@bmsit.com>, Academic VTU <academicsyl2018@gmail.com>, Head CS <hodcse@mite.ac.in>, "Shreedhara K. S." <ks_shreedhara@ubdtce.org>

Sir,

Thank you all of you for actively participated in online meeting.

wif dis mail I is sending teh proceedings of BOS meeting, if their is any suggestions or corrections please send teh replay mail wifin one day.
If no replay is received I will forward the same to Registrar's office.

Dr Shreedhara K S

**BOS MEETING PROCEEDING 09 May 2020 (2).docx**

16K

Head CS <hodcse@mite.ac.in>

15 May 2020 at 16:17

To: shreedhara ks <ks.shreedihara@gmail.com>

Cc: "Yerriswamy T." <swamy1976ty@gmail.com>, "Dr. G. T. Raju" <gtraju1990@yahoo.com>, "Yerriswamy T." <yerriswamy.t@kleit.ac.in>, "Dr. Shanmukappa Angadi" <saangadi@vtu.ac.in>, shreedhara ks <ks_shreedhara@yahoo.com>, "Dr. Sreenivas Ramanujam" <sreenivasa.ramanujam@tcs.com>, "Dr. Rekha B. Venkatapur" <rekhabvenkatapur@ksit.edu.in>, "Dr. B. Shadaksharappa" <bichagal@sairamce.edu.in>, "Dr. Antony P. J." <antonyjohn@ajiet.edu.in>, Vtu Academic <bos.vtu@gmail.com>, "Dr. J. Prakash" <jogaiahprakash@gmail.com>, "Dr. M. S. Dinesh" <dineshmys@gmail.com>, "dean_academics@bmsit.com" <dean_academics@bmsit.com>, Academic VTU <academicsyl2018@gmail.com>, "Shreedhara K. S." <ks_shreedhara@ubdtce.org>

TEMPThank you for the mail.

[Quoted text hidden]

--

Dr. Venkatramana Bhat P

Professor & Head,

Dept. of Computer Science & Engineering

Mangalore Institute of Technology & Engineering

Moodabidri, Mangalore-574225

Shanmukhappa Angadi <saangadi@vtu.ac.in>

15 May 2020 at 16:27

To: shreedhara ks <ks.shreedihara@gmail.com>, "Yerriswamy T." <swamy1976ty@gmail.com>, "Dr. G. T. Raju"

<gtraju1990@yahoo.com>, "Yerriswamy T." <yerriswamy.t@kleit.ac.in>, shreedhara ks <ks_shreedhara@yahoo.com>, "Dr. Sreenivas Ramanujam" <sreenivasa.ramanujam@tcs.com>, "Dr. Rekha B. Venkatapur" <rekhabvenkatapur@ksit.edu.in>, "Dr. B. Shadaksharappa" <bichagal@sairamce.edu.in>, "Dr. Antony P. J." <antonyjohn@ajiet.edu.in>, Vtu Academic <bos.vtu@gmail.com>, "Dr. J. Prakash" <jogaiahprakash@gmail.com>, "Dr. M. S. Dinesh" <dineshmys@gmail.com>, dean_academics@bmsit.com, Academic VTU <academicsyl2018@gmail.com>, Head CS <hodcse@mite.ac.in>, "Shreedhara K. S." <ks_shreedhara@ubdtce.org>

Dear Sir

If possible kindly include one line on te discussions regarding BE-CSBS and BE AIML

Regards

[Quoted text hidden]

Dr. S A Angadi

Professor, Dept. of CSE

Director(i/c), ITISMU

VTU, Belagavi
cell No. 9481981542
email: saangadi@vtu.ac.in
VTU website : www.vtu.ac.in

Academic VTU <academicsyl2018@gmail.com>

16 May 2020 at 21:02

To: Head CS <hodcse@mite.ac.in>

Cc: shreedhara ks <ks.shreedihara@gmail.com>, "Yerriswamy T." <swamy1976ty@gmail.com>, "Dr. G. T. Raju" <gtraju1990@yahoo.com>, "Yerriswamy T." <yerriswamy.t@kleit.ac.in>, "Dr. Shanmukappa Angadi" <saangadi@vtu.ac.in>, shreedhara ks <ks_shreedhara@yahoo.com>, "Dr. Sreenivas Ramanujam" <sreenivasa.ramanujam@tcs.com>, "Dr. Rekha B. Venkatapur" <rekhabvenkatapur@ksit.edu.in>, "Dr. B. Shadaksharappa" <bichagal@sairamce.edu.in>, "Dr Antony P. J." <antonyjohn@ajiet.edu.in>, Vtu Academic <bos.vtu@gmail.com>, "Dr. J. Prakash" <jogaiahprakash@gmail.com>, "Dr. M. S. Dinesh" <dineshmys@gmail.com>, "dean_academics@bmsit.com" <dean_academics@bmsit.com>, "Shreedhara K. S." <ks_shreedhara@ubdtce.org>

Dear Sir

Please see the attached file for Sitting fee form

Please fill up, sign and send the scanned copy to me for the further process towards the payment.

Please note, for members sitting fees will be Rs 2500/- and for Chairperson Rs.3000/-

Thanks and Regards

[Quoted text hidden]

--

TEMPThanks and regards

Special Officer,

Academic Section, VTU, Belagavi

+91 9945456070, +91 831 2498100

sbhalbhavi@vtu.ac.in, sbhvtuso@gmail.com



Remuneration Form1.pdf

80K

Head CS <hodcse@mite.ac.in>

21 May 2020 at 14:43

To: Academic VTU <academicsyl2018@gmail.com>

Cc: "Shreedhara K. S." <ks_shreedhara@ubdtce.org>, shreedhara ks <ks.shreedihara@gmail.com>

Dear Sir,

Please find attached the remuneration bill for the sitting fees for the online meeting of Board of Studies of Computer Science & Engg board being conducted on 9th May 2020. Please do the needful

[Quoted text hidden]



BOS sitting fees.zip

400K

Academic VTU <academicsyl2018@gmail.com>

21 May 2020 at 15:40

To: Head CS <hodcse@mite.ac.in>

Received Sir

TEMPThanks and R

[Quoted text hidden]

Academic VTU <academicsyl2018@gmail.com>

21 May 2020 at 15:40

To: Head CS <hodcse@mite.ac.in>

Received Sir

Thanks and Regards

[Quoted text hidden]

Minutes of Meeting

**BOS Meeting of Aeronautical and Aerospace Engineering Composite Board held on 19.5.2020
Through Cisco Webex Platform.**

Members Present:

1. Dr. S.K. Maharana
2. Dr. K. Ramachandra
3. Dr. N. Chikkanna
4. Dr. P.K. Dash
5. Dr. G. Purushotham
6. Dr. R. Mukesh

The following points were discussed:

S. No	Agenda	Resolution Made
1.	Inclusion or revised massive open online courses(MOOCs).	BOS decided to include new courses in addition to the existing NPTEL/Swayam courses and corresponding credits for the award of B.E/B.Tech Honours degree as per the AICTE/VTU guidelines shared during JBOS held on 18 May 2020.
2.	Discussion about Model Question papers.	The contents of the Model Question Papers for the 2019 scheme (4 th Sem) was discussed and decided to prepare the QP according to the Blooms Taxonomy available in the syllabus. The same has been updated in the QPs submitted to the University.
3.	Future courses for AE/AS Engineering.	Future courses of UG programmes in Aeronautical Engineering and Aerospace Engineering will be prepared along with the model curriculum as per the guidelines of AICTE . Before this happens, BOS has planned to take inputs from aerospace industry experts
		Model Curriculum as per JBOS will be prepared and it will be sent to University soon.
		Proctored/Unproctored courses, to get extra 18-20 credit for BTech(Hons) , have been discussed and appropriate courses will be selected soon.

Finally, the next BOS(AE) meeting is proposed to be held on 2.6.2020, based on the approval from VTU.

Chairman, BOS (AE)

Re: Request for approval to hold an online BOS(AE) meeting at 11:30 AM on 19 May 2020

1 message

SK Maharana <skmaha123@gmail.com>
To: Registrar Vtu <registrar@vtu.ac.in>
Bcc: sbhvtuso@gmail.com

Thu, May 21, 2020 at 3:58 PM

Sir,

Please find attached herewith the Minutes of BOS(AE) meeting held on 19 May 2020.

Regards,

Dr SK Maharana,
Chairman, BOS(AE)On Mon, May 11, 2020 at 10:42 AM SK Maharana <skmaha123@gmail.com> wrote:
SirA BOS(AE) meeting has been proposed to be held in online mode on **11:30 AM on 19 May 2020 (Tuesday)**.

Agenda for the above meeting are :

1. Inclusion of revised or new massive open online courses (MOOCs) or courses from NPTEL/ SWAYAM platform for additional credits to be earned by a student for the award B.E./B.Tech(Honours) degree in Aeronautical Engineering or in Aerospace Engineering as per the trends in Global Aerospace Sectors.
2. Discussion on the contents of model question papers in UG programmes in Aeronautical Engineering and Aerospace Engineering.
3. Future courses for Aeronautical Engineering and Aerospace Engineering.

Email Ids for all members are:

1. K Ramachandra (drkrc2006@gmail.com)
2. Dr SK Maharana (skmaha123@gmail.com)
3. Dr N Chikkanna (nchikkanna1967@gmail.com)
4. Dr G Purushotham (hodaer@mite.ac.in)
5. Dr PK Dash (hod-ae@nmit.ac.in)
6. Dr R Mukesh(vsmprm@gmail.com)

Necessary approval may please be given to hold the above meeting .

Regards,
Dr SK Maharana
Chairman, BOS(AE), VTU
Contact 9900094967**BOS(AE) Minutes of Meeting 19.5.2020.pdf**
426K

Minutes of Meeting

**BOS Meeting of Aeronautical and Aerospace Engineering Composite Board held on 02.06.2020
Through Cisco Webex Platform.**

Members Present:

1. Dr. S.K. Maharana
2. Dr. K. Ramachandra
3. Dr. N. Chikkanna
4. Dr PK Dash
5. Dr. G. Purushotham
6. Dr. R. Mukesh
7. Dr B. Subba Reddy
8. Dr. Madhukar M Rao
9. Commodore C.D. Balaji (Retd)
10. Dr K Badari Narayana

The following points were discussed:

S. No	Agenda	Resolution Made
1.	Discussion and preparation of Model Curriculum for both the UG programmes: Aeronautical Engineering and Aerospace Engineering and PG programme in Aeronautical Engineering. [Ref: Agenda No.8 of Joint Board of Studies Meeting held on 18 May 2020: To discuss about the Model curriculum in all the State Universities on the line of recommendations proposed in draft National Education Policy 2019].	<p>A model curriculum for both UG programmes(Aeronautical Engineering and Aerospace Engineering) is being prepared after taking the valuable inputs from experts from industries, academics and having consultation with other stakeholders. The draft version of the model curriculum will be shared with the university by 15 June 2020.</p> <p>Members opined that the model curriculum must include the courses (either core or elective) that would encourage multidisciplinary nature of learning, create creative and critical thinking along with collaboration and a great deal of communication.</p> <p>Inclusion of project-based learning (from the 3rd semester onwards) is also thought to be featuring in new curriculum along with blended learning [virtual and classroom] mechanism that would extend the students learning space.</p> <p>A great deal of emphasis should be laid on foundational courses during the preparation along with courses[in elective or additional credit course] pretty advanced courses [as mentioned in AICTE 2020-2021 handbook] that are being offered in internationally reputed institute. A great amount of emphasis shall be given to the essence and philosophy of National Education Policy while making the</p>

		curriculum for Aeronautical Engineering and Aerospace Engineering
2.	MOOCs list as per the JBOS resolution	BOS(AE and AS) sent a MOOCs list was sent to the University in the month of September 2019. The same is under revision as per the JBOS resolution and shall be sent by 10 the June 2020.
3.	Any other points with the permission of the Chairman	Opinion on PG programmes regulation was sought from all members
		Content Delivery Mechanism should be more digital and accessible to student community
		Digital Webinars, certifications, dual learning would support and encourage in the programme outcome
		Globally competitive courses, decoration of students with hands-on and job-ready learning space were discussed

Chairman, BOS (AE)

To
The Registrar
Visvesvaraya Technological University
Jnana Sangama, Belagavi – 590 018

Date: 15 – 06 – 2020
Davanagere

Sir,

Sub: M.Tech Scheme of Teaching and Examinations and Syllabus for the academic year 2020-21.

Ref: (i) VTU/Aca/A9/2019-20/379 dated 3 June 2020.
(ii) VTU/PS/2020-21/7048 dated 19 Nov 2019.
(iii) VTU/VCS/2019-20/157 dated 19 Nov 2019.

With reference to the above, the M.Tech Scheme of Teaching and Examinations and Syllabus for the academic year 2020-21 of the following programmes are attached for your perusal and needful.

- (1) Power System Engineering (EPS)
- (2) Power Electronics (EPE)
- (3) Micro Electronics and Control Systems (EMS)
- (4) Computer Applications to Industrial Drives (ECD)
- (5) Energy Systems Engineering (ESE).

The number of courses corresponding to each programme is as per the official University template furnished to all the Boards. The core/fundamental courses have been retained without any changes in order to provide basic knowledge of advanced topics. In view of Ref (ii and iii), multidisciplinary courses that supplements the programmes have been added as elective courses. The teaching and learning is expected to be enhanced in view of the additional hours provided for skill development activities and addition of mini – project for enhancement of practical skill.

A table showing the summary of the scheme of teaching of courses of each programme and the changes effected to 2018 M.Tech scheme to finalize M.Tech 2020 scheme is enclosed with this letter.

Thanking you

Yours faithfully

Sd/-

Dr H.R.Sudarshana Reddy,
M.E.,Ph.D.,FIE.
Chairman, BOS - EEE
Professor of E&E Engineering.,UBDTCE,
Davanagere-577004, Karnataka-India.
Mobile No: +919844477111

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVEL.
Board of Studies in Electrical and Electronics Engineering

Summary of the scheme of courses prescribed to different M.Tech 2020 - 21 programmes under BOS EEE (Table shows the changes effected to 2018 M.Tech scheme to finalize 2020 M.Tech scheme)										
SI No	Programme	Number of Courses PCC + PE + Lab + Seminar + Mini Project + Internship + Project work Phase 1 +Project work phase 2	Number of new courses added to 2018 scheme to formulate 2020 scheme		% change in courses as per suggestions and feedback	Number of courses with lab component + skill development activities, semester wise				Number of interdisciplinary courses covering advanced technology/ emerging topic courses added
			THC	MNP		I	II	III	IV	
1	Power System Engineering (EPS)	10+04+02+01+01+01 +01 + 01 = 21	04	01	24 % (5/16)	1 + 6	1 + 3	0 +1	0 +0	02
2	Power Electronics (EPE)	10+04+02+01+01+01 +01 + 01 = 21	04	01	24 % (5/16)	1 + 6	1 + 3	0 +1	0 +0	02
3	Micro Electronics and Control Systems (EMS)	10+04+02+01+01+01 +01 + 01 = 21	04	01	24 % (5/16)	1 + 6	1 + 3	0 +1	0 +0	02
4	Computer Applications to Industrial Drives (ECD)	10+04+02+01+01+01 +01 + 01 = 21	04	01	24 % (5/16)	1 + 6	1 + 3	0 +1	0 +0	02
5	Energy Systems Engineering (ESE)	10+04+02+01+01+01 +01 + 01 = 21	04	01	24 % (5/16)	1 + 6	1 + 3	0 +1	0 +0	02
Note: THC – Theory Course, MNP – Mini project.										

Dr H.R.Sudarshana Reddy,
M.E.,Ph.D.,FIE.
Chairman, BOS - EEE
Professor of E&E Engineering.,UBDTCE,
Davangere-577004, Karnataka-India.
Mobile No: +919844477111



University B.D.T. College of Engineering Davangere-577004, Karnataka, India

(A Constituent College of Visvesvaraya Technological University, Belagavi)

Phone: +91-8192-233414

Fax: +91-8192-233412

Web: www.ubdtce.org

Ref.No. UBDTCE/EI/BOS (EI/BM/ML)/03/2020-21

July 3, 2020

Dr. Mallikarjun S. Holi

Chairman, VTU-BOS in Electronics & Instrumentation Engg (EI/BM/ML)

Professor, Dept. of Electronics & Instrumentation Engineering

UBDTCE, Davangere

Email: msholi@yahoo.com, Phone: +91-98442 80814, 9110685601

To,

The Registrar

Visvesvaraya Technological University

“Jnana Sangama”, Belagavi-590 018

Sir,

**Sub: Proceedings of Online BOS Meeting of Electronics & Instrumentation Engg (EI/BM/ML)
held on 24th June 2020.**

With reference to the above mentioned subject I am herewith submitting the Proceedings of the Online BOS Meeting of **Electronics & Instrumentation Engineering Board (EI/BM/ML)** held on Wednesday, 24th June 2020, 10AM through Zoom Meeting Application Software.

Agenda of the BOS (EI/BM/ML) Meeting were as follows:

1. To finalize the M.Tech. Scheme and Syllabus for 2020 batch.
2. To finalize List of MOOCs from NPTEL / SWAYAM for B.E. with Honours in EI/BM/ML branch of engineering.
3. To seek opinion on the Model / Common Curriculum across all the Universities in the State, as per the notification from KSHCE, Govt. of Karnataka, and letter received from the Registrar, VTU, Belagavi.
4. Any other matter with permission of the Chair.

All BOS Members of our board and Special Invitee Dr. Pandurangappa C., Member BOS General Science (Mathematics), Professor & Head, Dept. of Mathematics, UBDTCE, Davangere, attended the meeting. The proceedings of the BOS meeting are enclosed herewith for your kind information and reference.

Thanking you,

Yours faithfully,

(Dr. Mallikarjun S. Holi)

Chairman, VTU-BOS (EI/BM/ML)

Proceedings of BOS Meeting of Electronics & Instrumentation Engg Board (EI/BM/ML) held on Wednesday, 24th June 2020, 10AM through Zoom Meeting Application Software.

Agenda of the BOS (EI/BM/ML) Meeting were as follows:

1. To finalize the M.Tech. Scheme and Syllabus for 2020 batch.
2. To finalize List of MOOCs from NPTEL / SWAYAM for B.E. with Honours in EI/BM/ML branch of engineering.
3. To seek opinion on the Model / Common Curriculum across all the Universities in the State, as per the notification from KSHEC, Govt. of Karnataka, and letter received from the Registrar, VTU, Belagavi.
4. Any other matter with permission of the Chair.

The Chairman of the Board Dr. Mallikarjun S. Holli, welcomed all the BOS members & Special Invitee for the meeting. Then he gave a presentation on agenda of the meeting with necessary supporting documents, and later requested the members to deliberate as per the meeting agenda one by one.

1. To finalize the M.Tech. “Biomedical Signal Processing and Instrumentation” Scheme and Syllabus for 2020-21 batch.
 - All the members deliberated and suggested for some changes in the Professional Elective subjects, and accordingly changes were incorporated in the Final Scheme and Syllabus.
 - Special Invitee Dr. Pandurangappa C, suggested for minor changes in the Mathematics oriented subject, and accordingly changes were incorporated in the Final Scheme and Syllabus.
2. To finalize List of MOOCs from NPTEL / SWAYAM for B.E. with Honours in EI/BM/ML branch of engineering.
 - All the members deliberated and suggested to include few more multidisciplinary and latest technology based MOOC courses in the proposed list. Accordingly, additional multidisciplinary and latest technology based MOOC courses were added to the Final List of MOOC courses for the Engineering branches of EI / BM / ML.
3. To seek opinion on the Model / Common Curriculum across all the Universities in the State, as per the notification from KSHEC, Govt. of Karnataka, and letter received from the Registrar, VTU, Belagavi.
 - All the members deliberated on this agenda. Earlier all the engineering colleges in the state of Karnataka were under the ambit of VTU and following curriculum framed by VTU. But currently there are many Private Universities have come in the state of Karnataka, and their curriculum differ from each University, and in many instances students are not able to get the necessary knowledge in Engineering and Technology to meet the challenges of industry. In this regard as per the suggestions by KSHEC, Govt. of Karnataka, it is appropriate to come out with a **“Model Curriculum” (rather than ‘common curriculum’)** across all the Universities which are offering Engineering and Technology programs. The proposed model curriculum should be such that the students graduating from these Universities should be “industry ready” for Fourth Industrial Revolution (i.e. Industry 4.0).
4. Any other matter with permission of the Chair.
 - There were no other agenda for discussion

The meeting was concluded with a note of thanks by Chairman to all BOS members & Special Invitee, and requested to extend their kind cooperation and active participation in forthcoming BOS activities and meetings.



(Dr. Mallikarjun S. Holli)
Chairman, VTU-BOS (EI/BM/ML)

PROCEEDINGS OF THE ONLINE BOS (IPE/IEM/MSE) MEETING

(Held on 6th July, 2020 at 11:00A.M: Using Webex Platform)

:Members Present:


Sl. No	Name	Designation	Attendance
1	Dr.N Nagesha	Chairman	Present
2	Dr.Suresh D Mane	Member	Present
3	Dr.D R Swamy	Member	Present
4	Dr.Vinod Puranik	Member	Present
5	Dr.N Mohan	Member	Present
6	Mr.Elango	Member	On leave with prior intimation
7	Dr.Pandurangappa C	Special Invitee	Present
8	Dr.V N Gaitonde	Special Invitee	Present

:Minutes of the Meeting:

The Chairman Welcomed all the members and Special Invitees to the online meeting of VTU-BoS in IPE/IEM/MSE. The Chairman briefly outlined the Agenda of the meeting and also the guidelines for the smooth conduction of the online meeting. Then, the items on the Meeting agenda were taken-up one by one and following resolutions were made.

Agenda-1	:	Ratification of the Bouquet of MOOCs submitted to VTU for B.E/B.Tech (Hons.) in IPE/IEM/MA, w.e.f 2018-2019 batch onwards.
Resolution	:	The Chairman presented the Bouquet of MOOCs submitted to VTU containing 155 courses for B.E/B.Tech (Hons.) in IPE/IEM/MA, and also explained about the VTU Regulations regarding the B.E/B.Tech (Hons.) degree. The members critically reviewed the list of courses and endorsed the same.
Agenda-2	:	Discussion and finalization of the M.Tech Syllabus for Seven PG Courses (MPT, MPY, MSE, MPM, MPD, MPE, MEM) w.e.f 2020-2021.
Resolution	:	The Chairman presented the Scheme and Syllabus of all the Seven M.Tech courses coming under this board. A thorough discussion was held and a few suggestions were made by the members which were agreed upon for incorporation. Then, the scheme and syllabus of the Seven PG Courses was approved by the BoS.
Agenda-3	:	Seeking opinion of the BoS members on the proposed Model/Common Curriculum across all the Universities in the state as per the notification of KSHCE.
Resolution	:	The chairman briefed about the Proposed Model/Common curriculum across all the Universities in the state and the concerned letters in this regard from KSHC, and Registrar, VTU.

	<p>A detailed discussion was held on the matter and it was the unanimous opinion of the BoS that a common syllabus across all the universities in the state may not be fruitful in meeting the challenges of the present modern technology driven world. In fact, academic autonomy, choice based credit system, flexible curriculum, Online/self learning through MOOCs, etc., are to be increasingly encouraged, especially keeping the current COVID kind of situation in mind. There is an apprehension that common curriculum may not encourage Research and Innovation, Meeting the needs of different geographical aspirations/strengths, and advantages of specialization and developing core strength.</p> <p>However, if a Model/Common curriculum is a mandatory requirement, the BoS is of the opinion that wide consultations amongst different stakeholders at different levels is necessary before implementing the same.</p>
Agenda-4	: The chairman presented the copy of an email sent to VTU by the Chairperson of VTU-BOS in Nanotechnology requesting to include the B.E (Industrial & Production Engineering/ Industrial Engineering & Management /Manufacturing Science & Engineering) programme in the eligibility list for admission to M.Tech in Nanotechnology programme, since the present eligibility list for 2020-21 does not include these B.E.programmes. The VTU now has sought the opinion of the BoS in this regard.
Resolution	: This matter was discussed in detail by reviewing the scheme of M.Tech: Nano Technology and the scheme & syllabus of all the 3 UG programmes (BE in IP/IM/MA). The BoS is of the opinion that these 3 BE programmes can definitely be included in the eligibility list of M.Tech: Nanotechnology programme to encourage the Interdisciplinary study.
<p>As there were no other issues for discussion, the Chairman thanked all the members and special invitees for their active participation and concluded the online meeting.</p>	

 06/07/2020

Dr. N Nagesha

Chairman

VTU-BoS in (IPE/IEM/MSE)

Dr. N. Nagesha

Chairman: VTU-BOS (IP/IM/MA)

Dept. of Industrial & Production Engg.

Univ. EDT College of Engineering

DAVANAGERE-577 004.



VTU BOS in MBA

Online Meeting Attendance on 02-07-2020

S.N	Name	Designation	Affiliation	Signature
1.	Dr.T.Manjunatha	Chairman	Visvesvaraya Technological University BDT College of Engineering, Davangere	Attended online meeting
2	Dr.M.G.Krishnamurthy	Member	JNN College of Engineering, Shimogga	Attended online meeting
3	Dr.M.M.Bagali	Member	Acharya Institute of Technology. Bengaluru	Attended online meeting
4	Dr.Reena Williams	Member	Vidyavikas Institute of Technology, Mysore	Attended online meeting
5	Dr.Deepak G Kulkarni	Member	KLES Dr.Seshadri College of Engineering, Belagavi	Attended online meeting
6	Dr.L.Vijayashree	Member	BNM Institute of Technology. Bengaluru	Attended online meeting
7	Dr.R.Srinivasan	Member	Indian Institute of Management, Bengaluru	Attended online meeting
8.	Dr. Basavaraj Kudachimath	Member	Visvesvaraya Technological University, P G Centre, Belagavi	Attended online meeting

Certify that above members have participated for online BOS in MBA meeting

Dr.T.Manjunatha
Chairman, VTU BOS in MBA



Sadashiv Halbhavi <sbhvtuso@gmail.com>

Sitting fee form

Dr. Sapna Papu <directorbmssa@gmail.com>
To: Sadashiv Halbhavi <sbhvtuso@gmail.com>

Sun, Jul 5, 2020 at 5:54 AM

Members Attended :

- 1) BOS Chair person: Dr Sapna Papu : sapnapapu1967@gmail.com; directorbmssa@gmail.com
- 2) Dr. Chandrashekhar M.N : dean@sjbsap.edu.in
- 3) Mrs. Sapna Shivakumar : TEMPprincipal@msa.edu.in
- 4) Ar. Nishita Tadkodkar : nrtadkodkar@git.edu
- 5) Ar. Bijoy Ramchandran: bijoy@hundredhands.com
- 6) Dr. Vasanth K. Bhat : TEMPprincipal.rnssa@gmail.com
- 7) Dr. Jagannathan. R : TEMPprincipal@kssa.edu.in
- 8) Prof. Suresh Murthy : suresh.murthy@rvca.in

Not Attended:

- 9) Dr. V. P. Tankasali :

TEMPThanks & Regards

Dr. Sapna Papu

[Quoted text hidden]

Minutes of Meeting

**BOS Meeting of Aeronautical Engineering (AE) and Aerospace Engineering (AS) Composite Board
held on 07.07.2020 Through Cisco Webex Platform.**

Members Present:

1. Dr. S.K. Maharana
2. Dr. K. Ramachandra
3. Dr. N. Chikkanna
4. Dr PK Dash
5. Dr. G. Purushotham
6. Dr. R. Mukesh
7. Dr Pandurangappa- Special Invitee

The following points were discussed:

S. No	Agenda	Resolution Made
1.	Scheme and Syllabus of B.E. in " Aeronautical Engineering" proposed by the Dr. Ambedkar Institute of Technology Bengaluru for the academic year 2020-21	<p>The scheme and syllabus of the proposed UG programme in Aeronautical Engineering submitted by Dr AIT (Autonomous Institute) were discussed and the following points were noted. The same has already been shared with the University on 08 July 2020.</p> <p>1. Distribution of CIE and SEE marks for all the semesters (from 1st to 8th) may please be made consistent with that of VTU's UG programme starting from AY 2020-21.</p> <p>2.L-T-P hours for courses [both elective and core courses] need to be consistent with those of the courses in UG programme under VTU</p> <p>3. Provision for B.Tech (Honours) in the scheme and syllabus from AY 2020-21 is requested to be made in the syllabus.</p> <p>4. The proposal for new UG programme in Aeronautical Engineering is required to accommodate the essence of draft National Education Policy 2019 and letter received from Karnataka State Higher Education Council</p>
2.	Final copy of MTech programme syllabus (for both Aerospace Propulsion Technology and Aeronautical	<p>The syllabus was reviewed.</p> <p>Members opined that the contents of Applied Mathematics should be same for both Aerospace Propulsion Technology and</p>

	Engineering) [Ref: VTU/Aca/A-9/2019-20/379, dated 03.06.2020].	Aeronautical Engineering programmes after including the points suggested to Dr Pandurangappa. The content of the above subject is to be modified in keeping the applications in Aerospace/Aeronautical/Propulsion Technology and at par with similar programmes in Aerospace Engineering offered by IIT and IISc. Dr Pandurangappa will share the new syllabus in week's time. Similarly, the only elective(s) of the MTech programme will have subjects on ML/AI as per AICTE's Handbook 2020-21.
3.	Any other matter with permission of the Chair	As per VTU's request and letter No VTU/Aca/A-9/2018-19/1088 dated 4 July 2020 Opinion on equivalence of Associate Membership Examination certificate of an applicant was expressed by all members and the same was shared with the University in a letter dated 08 July 2020.



Chairman, BOS (AE&AS)



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

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

Phone: (0831) 2405468
Fax : (0831) 2405467

Ref No. VTU/Aca/A9/2020-21/ 2244

Date: 14 SEP 2020

MEETING NOTICE

Sub: Meeting of Board of Studies in Aeronautical Engineering.
Ref: Letter from the Chairman dated 14th Sept 2020

With reference to the above, the meeting of Board of Studies in Aeronautical Engineering is convened through online meeting on 22nd Sept 2020 at 11.30 a.m to discuss on the following agenda:

1. Grouping Courses of PhD Coursework for Aeronautical Engineering
2. Feedback/opinion on Coursera for campus adoption, suitability of the courses for curriculum and Honours .
3. Any other points with the permission from the Chairman.

The Chairman and Members are requested to make it convenient to attend the meeting and send the proceedings to the office of the undersigned for further needful.

To,

1. Dr. S. K. Maharana, Professor & Dean, Dept. of Aeronautical Engineering, Acharya Inst. of Technology, Dr. Sarvapalli Radhakrishna Marg, Solladevanhalli, Bengaluru – **Chairman**
2. Dr. N. Chikkanna, Professor, VTU Centre for PG Studies, Bengaluru Region, Muddenahalli – 562 101, Chikkaballapura Dist. **Member**
3. Dr. G. Purushotham, Professor & Head, Dept of Aeronautical Engineering, Mangalore Institute of Technology and Engineering, Badaga Mijar, Near Moodabidri, Mangalore . **Member**
4. Dr. Mukesh R., professor, Dept. of Aeronautical Engineering, ACS College of Engineering, #207, Kambalipura, Mysore Road, Kengeri Hobli, Bengaluru. **Member**
5. Dr. P. K. Dash, Professor & Head, Dept. of Aeronautical Engineering, Nitte Meenakshi Institute of Technology, Govindapur – Gollahalli, Yelahanka, Bengaluru **Member**
6. Dr. K. Ramachandra, Former Director GTRE, 600/1, 10th Cross, 7th Block (West), Jayanagara, Bengaluru – 560 002. **Member**

Copy to:

1. The Vice-Chancellor, through the secretary to V.C., VTU, Belagavi for information.
2. The Finance Officer, VTU Belagavi, for information.
3. The Registrar's Office, VTU, Belagavi, for information.
4. The Special Officer, Academic Section, VTU Belagavi, for information, & disbursement of Sitting fees to the members

14/9/2020
REGISTRAR


Proceedings of BOS(AE and AS) meeting

BOS Meeting of Aeronautical Engineering (AE) and Aerospace Engineering (AS) Composite Board held on 22.09.2020 Through Cisco Webex Platform.

Members Present:

1. Dr. S.K. Maharana
2. Dr. K. Ramachandra
3. Dr. N. Chikkanna
4. Dr P.K Dash
5. Dr. G. Purushotham
6. Dr. R. Mukesh

It is certified that the above members were present in the above-said meeting held on online mode. The screenshot of the meeting request is given below.



AE and AS BOS Meeting

When Tue Sep 22, 2020 12:30pm – 1:20pm (IST)

Where <https://meetingsapac21.webex.com/meetingsapac21/j.php?MTID=m145c3904a933a47a5fc857abd646af61>

Who Mukesh R, Cisco Webex*

[Add to calendar »](#)

Agenda
Tue Sep 22, 2020

11:30am [BOS \(AE and AS\) Meeting](#)

12:30pm AE and AS BOS Meeting

No later events

AE and AS BOS Meeting
Hosted by Dr. S.K. Maharana

Tuesday, Sep 22, 2020 3:00 pm | 50 minutes | (UTC+08:00) Kuala Lumpur, Singapore
Meeting number: 170 197 9991
Password: wmd93DipSY7 (96393347 from video systems)
<https://meetingsapac21.webex.com/meetingsapac21/j.php?MTID=m145c3904a933a47a5fc857abd646af61>

Join by video system
Dial 1701979991@meetingsapac21.webex.com
You can also dial 210.4.202.4 and enter your meeting number.

The following points were discussed:

S. No	Agenda	Resolution Made
1.	Grouping courses of PhD coursework for Aeronautical Engineering	<ol style="list-style-type: none">1. Grouping of PhD course work for Aeronautical Engineering shall be ready by 30 September 2020 with a flexibility of minimum 3 and maximum 15 subjects under each group2. The Board has recommended for inclusion and deletion of a few existing subjects under each group3. Renaming of each group (in lieu of Group 1-6) has been suggested to be compatible with broader area of research
2.	Feedback/opinion on Coursera for campus adoption, suitability of the	<ol style="list-style-type: none">1. The Board has opined that coursera subjects for AE/AS students should be optional and hence students will

	courses for curriculum and Honours .	<p>choose as per the need of their skill/domain learning</p> <ol style="list-style-type: none"> 2. The BOS reviewed the coursera presentation 3. Right now Coursera does not include core subjects of Aeronautical or Aerospace Engineering. However, the suitability of courses for AE/AS students is sparsely found in the list and there, it is left to the wisdom of students to choose and learn
3.	Any other matter with permission of the Chair	<p>The Board discussed and recommended that the following</p> <ol style="list-style-type: none"> 1. From the academic year 2020-21, the award of PhD degree in Aeronautical/Aerospace Engineering and Science may please be considered. Right now, our University has many research centres in Aeronautical Engineering and a good number of colleges are offering programme in AE/AS where faculty members need to have scope to earn PhD in this branch. 2. BOS has requested that the Univ with BOS (AE/AS) may please share a list of all research titles in the broad areas of AE/AS. 3. BOS recommends a professor or the HoD of the Aeronautical/Aerospace Engineering of a college to join only 1 future BOS meeting on special invitation



Chairman, BOS (AE&AS)

Proceedings of the BOS(CS/IS) meeting held on 19/11/2020

(ONLINE meeting Online BOS Meeting - CS/IS Board, Time: Nov 19, 2020 11:00 AM India
Zoom Meeting: <https://us04web.zoom.us/j/76614600014?pwd=dWxKazVpQ1drcUZlNWmFFSWFtM1JGUT09>
Meeting ID: 766 1460 0014 Passcode: 9b1DeN)

Chairman welcomed all the members to online meeting and introduced Dr Sunil Kumar. B. S., Professor and HOD of ISE, GMIT, Davanagere as a special invitee to the meeting.

Members preset in the meeting are:

1. Dr Shreedhara K S , Chairman, BOS in CS/IS
2. Dr Shanmukappa Angadi. Member Bos in CS/IS
3. Dr G T Raju, Member Bos in CS/IS
4. Dr B Shadaksharappa, Member Bos in CS/IS
5. Dr Antony P J. Member Bos in CS/IS
6. Dr Thippeswamy G, Member Bos in CS/IS
7. Dr Venkataramana Bhat, Member Bos in CS/IS
8. Dr (Smt.) Rekha B Venkatapur, Member Bos in CS/IS
9. Dr J Praksh, Member Bos in CS/IS
10. Sri Sreenivasa ramanujam from TCS ,Member Bos in CS/IS
11. Dr M S Dinesh, Principal Scientist, Philips India research, Member Bos in CS/IS
12. Dr Yerriswamy, (invitee) Member Bos in CS/IS
13. Dr Sunil Kumar B S , (invitee) Member Bos in CS/IS

Agenda of the meeting:

01 Regarding scheme and syllabus of new UG courses submitted by Autonomous colleges:


Documents related to the scheme and syllabus submitted by the autonomous colleges was circulated to all the board members in advance are discussed in the meeting. Suggestions and modifications given by the board members are as listed below. These suggestions can be incorporated in the syllabus with through discussion in the concerned BOS of the autonomous colleges.

File: 01. AI &DS: syllabus and scheme submitted by -> **Global Academy of Technical Education, Bangalore**

Suggestions: It is suggested to list the subjects with respect to its complexity level in sequence (for example DS-> DAA-> AI, etc..). If possible reduce the syllabus content to match to the given hours of teaching. Identify and include more advanced courses in electives.

File: 02. AI and DS: syllabus and scheme submitted by -> **Siddaganga Institute of Technology(SIT), Tumkur**

Suggestions: Scheme and syllabus is clear and progressive. Electives can be started from 6th semester onwards as per VTU format.


SHREEDHARA K. S.
Bos Chairman, Dept of CSSE
University of A. College of Engineering
DAVANAGERE 571 004
92440 60908 R 08192 72024

File: 03. Data Science: syllabus and scheme submitted by -> **Sahydri College of Engineering, Mangalore**

Suggestions: For third and fourth semester Scheme and Syllabus of CSE can be adopted, more emphasis can be made on data science related subjects for higher semesters.

File: 04. Data Science: syllabus and scheme submitted by -> **MVJ College of engineering, Bangalore**

Suggestions: For third and fourth semester Scheme and Syllabus of CSE can be adopted, more emphasis can be made on data science related subjects for higher semesters.

File: 05. Computer Engineering: syllabus and scheme submitted by -> **New Horizon college of engineering(NHCE), Bangalore**

Suggestions: For third and fourth semester Scheme and Syllabus of CSE can be adopted, for higher semesters more emphasis can be made on courses related to the Computer engineering program.

File: 06. Computer and Communication Engineering(CCE): syllabus and scheme submitted by-> **NMAM institute of Technology (NMAMIT)Nitte.**

Suggestions: It is suggested to introduce more courses related to communications such as Signals and Systems, Random Process and Signal Processing, Principles of Analogue and Digital Communications etc., to meet the communication engineering part of the course.

File: 07. CS&E(AI) : Syllabus and Scheme submitted by -> **Sri Venkateswara College of engineering, Bangalore**

Suggestions: For third and fourth semester Scheme and Syllabus of CSE can be adopted fundamental subjects such as CO, CA is required in lower semester, more emphasis can be made on data science related subjects for higher semesters


Note: Committee felt that in overall many of new courses (AI,DS,CE,AI ML,AIDS etc.,) are depends on the basic subjects of computer science/Information science. Hence by adopting first two years syllabus of CS/IS and for the higher semesters more focus can be given to the specialized discipline subjects (almost 50 to 60 % of the GATE CSE syllabus will be covered in 2nd year syllabus of CS/IS). This will helps in equivalence of the degree if needed.

02 Regarding Syllabus and scheme of AIML course.

- The suggestions given by the stakeholders to the tentative scheme and syllabus of AIML course which was uploaded in the VTU web site and then the modified scheme and syllabus was circulated to all the board members in advance are discussed in the meeting.

Some of the salient features adopted in the new AIML course to improve the student skills are listed below:

- In order to give strong mathematical foundation for the course "Mathematics for Machine Learning" subject is introduced.
- Machine Learning, Advance Machine learning and Deep learning subjects are introduced in sequence along with necessary laboratory experiments with mini project support.
- Principles of Artificial Intelligence and Advanced artificial Intelligence subjects are introduced with necessary laboratory experiments.



SHRI K. H. S.
Chairman, Dept. of CSE
University of I. College of Engineering
DAVANGERE - 577 104
98440 60904 8108192 770752

- Digital Image Processing and its lab with mini project support are introduced to enhance the learning skill related to AIML.
- "Java for Mobile application" subject is introduced to enhance the skill of a student for mobile application development.
- AIML course related electives are introduced such as;
Foundation for Data Science, Natural Language processing, Semantic Web and Social networking, Computer Vision, Soft and evolutionary computing, Multiagent systems, Blockchain Technology, Business Intelligence, Modern information retrieval etc..
- More emphases are given to MINI PROJECTS at least one in each higher semester.
- Since AIML is a new course and it is not listed in the GATE , almost 70 to 80% of CSE Gate syllabus are covered in the course hence, students of AIML discipline can face GATE examination with confidence.

Board Members thanked all the persons who are directly/indirectly involved in the preparation of the AIML scheme and syllabus especially suggestions provided by members of industry people from TCS, Philips, HP etc. Committee accepted the modified scheme and syllabus for the AIML course for further processing.

03 Syllabus and Scheme for any new courses introduced under CS/IS board:

Committee resolved to adopt scheme and syllabus of CSE/ISE for the first two years for any new courses under CS/IS board. For the remaining two years, subjects related to the new course are to be introduced along with necessary laboratories and related elective subjects.


SHREEHARI K. S.
 BOS Chairman, Dept. of CS&E
 University D. J. Somaiya College of Engineering
 NAVANGERE 422 004
 ☎ 98440 68888 R: 08192 720952