

Proceedings of BOS meeting of Civil Engineering (CV/TR/EC/CC) held on 26-09-2019 at
VTU Belagavi

The chairman of the board Dr.K.B.Prakash welcomed all the BOS members for the meeting. All the members present were requested to introduce themselves along with their academic achievements and credentials. After this the agendas were discussed in depth and deliberations were done to draw final conclusions.

1. **Agenda No 1 :Online courses to chosen from NPTEL / SWAYAM for the award of BE/ B.Tech (Hons) or ME / M.Tech (Hons).**

The chairman explained the rules and regulations pertaining to BE/B.Tech (Hons) and **ME/M.Tech (Hons)** and extra credits to be scored by the registered candidates. It was decided to identify the list of online courses by NPTEL/SWAYAM as and when they announce the courses every three months once.

2. **Agenda No 2 :Revision of syllabus for the qualifying exam of the Ph.D programme for VTU -ETR.**

The chairman displayed the old syllabus for Ph.D programme for VTU-ETR. In length discussion was held and syllabus was modified and finalized with 10 modules. The finalized syllabus copy is enclosed herewith.

3. **Agenda No 3 :Discussion on the draft PG Scheme for 2020.**

The draft PG scheme to be implemented from the academic year 2020 was discussed in length. It was the opinion of all the members to display the scheme on VTU website/ or send to the colleges where M.Tech programmes are running and take the feedback from the concerned staff. After getting the feedback, it becomes more effective to finalize the scheme and syllabus. Therefore it is requested to the authorities to display the scheme on VTU website at the earliest.

In between the meeting Hon.Vice Chancellor Dr.Karisiddappa visited the BOS meeting venue and addressed all the members and encouraged them to give the best to VTU students. He was of the opinion that a **thorough revision of syllabus should happen** which includes the **latest technologies and advances** which can attract the students and support for their life.

At the end BOS chairman thanked all the members for their active participation in the deliberations and requested the same cooperation in the coming meetings.

K. B. Prakash

Dr. K.B.Prakash

Chairman, BOS in Civil Engg (CV/TR/EC/CC)

PRINCIPAL

Jovt. Engineering College

Hubballi-581 110.

VISVESARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
Topics of Syllabus for the Qualifying Exam for the Ph.D. Programme Syllabus
for VTU-ETR

Civil Engineering Science

- **Structural analysis**
 - Structural systems
 - Truss analysis
 - Deflection of beams
 - Strain energy
 - Arches and cables
- **Fluid mechanics**
 - Open channel flow
 - Pipe flow and water hammer
 - Dimensional analysis and model studies
 - Impact of jets on vanes
 - Pumps & turbines
- **Concrete technology**
 - Properties of fresh and hardened concrete
 - Special concretes
 - Non destructive testing of concrete
- **Design of concrete structures**
 - Principles of limit state design
 - Design of beams
 - Design of slabs
 - Design of columns
- **Geotechnical engineering**
 - Index properties of soil
 - Soil structure & classification of soils
 - Compaction of soil
 - Soil water system
 - Consolidation of soils
 - Effective stress and shear strength
 - Ground modifications
- **Transportation engineering**
 - Highway planning and alignment
 - Highway geometric design
 - Pavement material and construction
 - Wind analysis and site selection for airport
 - Pavement of evaluation

- **Irrigation engineering**
 - Water requirements of crops
 - Canal cross drainage work
 - Gravity dams and earthen dams
- **Design of Steel structures**
 - Steel structural fasteners
 - Tension, compression, flexural members
 - Connections
- **Environmental engineering**
 - Population forecasting
 - Water quality
 - Water treatment
 - Methods of sanitation
 - Sewage treatment and industrial waste water treatment
- **Surveying**
 - Compass surveying
 - Leveling and contouring
 - Theodolite survey
 - Curve settings
 - Areas & volumes
 - Total station survey

K. B. Prakash
Chairman BOS Gul.

PRINCIPAL
Govt. Engineering College
Haveri-581 110.

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

(Held on 26th September, 2019 at VTU Belagavi, at 11:00 A.M)

Members Present:

Sl. No	Name	Designation	Signature
1	Dr. N Nagesha	Chairman	<i>D. Nagesha</i> 26.9.19
2	Dr. Suresh D Mane	Member	<i>S. D. Mane</i> 26/9/19
3	Dr. D R Swamy	Member	On leave with prior intimation
4	Dr. Vinod Puranik	Member	<i>V. Puranik</i> 26.9.2019
5	Dr. N Mohan	Member	<i>N. Mohan</i> 26/9/19
6	Mr. Elango	Member	<i>Elango</i> 26/9/2019
7	Dr. V N Gaitonde	Special Invitee	<i>V. N. Gaitonde</i> 26/09/2019

Minutes of the meeting:

The Chairman Welcomed all the members and Special Invitee to the first meeting of the newly formed VTU-BoS in IPE/IEM/MSE. The Chairman briefly introduced all the Members and Special Invitee before requesting their active participation and involvement in all the activities of the BoS for the period 2019-2022, as stipulated by the VTU. Then, the agenda of the meeting was taken-up one by one and following resolutions were made.

Agenda-1	: Discussion and Finalization of Syllabus of VTU-ETR for Ph.D. Programme
Resolution	: The Chairman proposed One draft Syllabus for Industrial & Production Engineering (IPE) / Manufacturing Science & Engineering (MSE), and another one for Industrial Engineering & Management (IEM) as decided in the Joint BoS Meeting. Then, both the syllabi were critically studied and thoroughly discussed in the meeting. The final version of the syllabus unanimously adopted by the BoS for VTU-ETR for Ph.D. Programme is enclosed to these proceedings as Annexure I & II.
Agenda-2	: Discussions on M.Tech Syllabus of 2020 Scheme
Resolution	: The Chairman presented the Templates for Scheme of Teaching and Examinations, and also for the Syllabus (applicable for all the M.Tech programmes of 2020 scheme) as furnished by the VTU. Then, preliminary discussions were held regarding the modifications/additions/deletions of various courses (subjects) w.r.t the existing 2018 scheme and syllabus, in all the 7 M.Tech programmes coming under this BoS. It was decided that after due consultation with the teachers of these M.Tech programmes the draft syllabus be prepared and then subsequently to be finalized by the BoS and then submitted to VTU.
Agenda-3	: Discussion on MOOCs Courses from NPTEL/SWAYAM Platforms for the Proposed B.E (Hon) degree of VTU
Resolution	: A detailed discussion on various courses offered by NPTEL/SWAYAM

	Platform was held in the meeting. It was felt that the B.E students belonging to IPE/IEM/MSE intending to acquire B.E (Honours) must be encouraged to take up courses other than the ones studied by them as part of their UG degree curriculum, so that additional knowledge is acquired by them. Hence various courses offered by IITs, IISc and other Institutes of National Importance under NPTEL/SWAYAM Platform in different disciplines such as Multidisciplinary areas, Mechanical Engineering, Computer Science & Engineering, Civil Engineering, etc., appropriate for the B.E Students of IPE/IEM/MSE have been identified and recommended as per Annexure III. The students may select a combination of courses based on their interest meeting the ADDITIONAL credits requirement of the VTU, for this purpose.
Agenda-4	: Any other relevant matter with the permission of chair
Resolution	: As there were no other issues for discussion, the Chairman thanked all the members and special invitee for their active participation and concluded the meeting.

N. Nagesha

26.9.19

Dr. N Nagesha
Chairman

VTU-BoS in (IPE/IEM/MSE)

Dr. N. Nagesha

D.M.E., B.E., M.E.M., Ph.D. (IISc)
I.T.E., I.I.T.E., I.I.P.E., I.I.C.E., I.I.M., I.I.S.I.

Professor & Chairman
Dept. of Industrial & Production Engg.
University BDT College of Engineering
(A Constituent College of VTU, Belagavi)
DAVANAGERE - 577 004



GOVERNMENT OF KARNATAKA
DEPARTMENT OF TECHNICAL EDUCATION

GOVERNMENT ENGINEERING COLLEGE, HAVERI

Ph No.: 08375 283347 (Pri), 08375 283323 (Off), 08375 283347 (Fax), ppl.gec.haveri@gmail.com

From,

Dr. K.B.Prakash
Principal, GEC Haveri,
Chairman, BOS in Civil Engg (CV/TR/EV/CC)
Mob – 9448267374
Email – kbprakash04@gmail.com



To,

The Registrar,
Visvesvaraya Technological University,
"Jnana Sangama",
BELAGAVI – 590 018

Dear Sir,

Sub: - Proceedings of BOS meeting of Civil Engg (CV/TR, EV/CC)

With reference to the above subject I am submitting herewith the proceedings of the 1st BOS meeting of Civil Engg (CV/TR/EV/CC) held on 26-09-2019 (Friday) at 11 Am at VTU Belagavi. BOS meeting was held to discuss the following agenda.

1. Online courses to be chosen from NPTEL / SWAYAM for the award of BE / B.Tech (Hons) or ME / M.Tech (Hons).
2. Revision of syllabus for the qualifying exam of the Ph.D programme for VTU –ETR.
3. Discussion on the draft PG Scheme for 2020.
4. Any other matter with the permission of chair.

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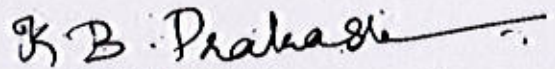
Following BOS members were present for the meeting:

1. Dr.K.B.Prakash - Chairman
2. Dr.A.V.Shivapur - Member
3. Dr.Nagesh M - Member
4. Dr.Ramakirishnegouda - Member
5. Dr.Sandeep Naik - Member
6. Dr.A.H.Biradar - Member
7. Dr.B.Shivakumar - Member
8. Dr.H.B.Balakrishna - Member
9. Dr.Sujit Kumar - Member

Proceedings sheet is attached here with. This is for your kind information and necessary action.

Thanking you,

Yours Sincerely,



Dr. K.B Prakash

Chairman, BOS in Civil Engg (CV/TR/EV/CC)

PRINCIPAL

Govt. Engineering College

Haveri-581 110.

Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Board of Studies in ECE/TCE: 2019 - 22

First meeting of the BoS (ECE/TCE) : 2019-22

Date: Sept. 16, 2019 Time: 11.00 a. m.

Venue: VTU Regional Center, Nagarbhavi, Bangalore.

List of members present

Name & Address	Designation
Dr. M K Venkatesha Principal, RNS Institute of Technology Channasandra, Rajarajeshwari Post, Bengaluru - 560 098	Chairman
Dr. T M P Rajkumar Professor & Head, Dept. of E&C Engg. Anjuman Institute of Tech & Mgt., Anjumanabad Bhatkal - 581 320	Member
Dr. A M Bhavikatti Professor & Head, Dept of E&C Engg. BheemannaKhandre Institute of Technology, Bhalki	Member
Dr. S V Sathyanarayana, Professor, Dept. of E&C Engg. JNNCIE, Shivamogga.	Member
Dr. Savitha H M Professor & Dept. of E&C Engg., St. Joseph Engineering College, Vamanjoor, Mangaluru - 575 028	Member
Dr. D J Ravi Professor & Dean, Dept. of E&C Engg., Vidyavardhaka College of Engg., Gokulam 3 rd Stage, Mysuru - 570 002	Member
Dr. T C Thanuja Professor, Dept. of VLSI Design and Embedded System VTU Center for PG Studies, Belagavi	Member
Dr. Jagadeesh Chandra A P Professor, Dept. of E&C Engg., Adichunchanagiri Inst. of Technology, Jyothi nagar Post, Chikmangaluru - 577 102	Member
Mr. Manjunatha V Design Compiler Synopsys India Pvt. Ltd., R&D 7 th Floor, Tower B, RMZ Infinity, Old Madras Road, Bengaluru - 560 016	Member
Dr. Narendranath Udupa Energy Consultant, MECLink B2B services. Previously with Philips, Bengaluru - 560 032	Member
Dr. Andhe Pallavi Professor & Dean, Dept. of EIE Engg., RNSIT, Bengaluru -98	Invited Member

Proceedings of the meeting:

Dr. M K Venkatesha, Chairman, BoS (ECE/TCE) welcomed the members and invitees of the BoS (ECE/TCE).

Agenda No. 1: M.Tech 2020-21 Syllabus Revision with focus on VLSI & ES (EVE)

Discussions: The members discussed about the feedback received from the stakeholders regarding the current M.Tech Syllabus. A brief overview is presented below.

1. **Mr. Manjunatha V, Member, Design Compiler Synopsys India Pvt. Ltd., R&D 7th Floor, Tower B, RMZ Infinity Old Madras Road, Bengaluru - 560 016** presented the following feedback from Industry perspective:

- a. Services industry in VLSI requires Pure Design and electronic design capabilities based on tools such as Cadence, Synopsys, etc.

b. Strong Digital Design Concepts required as compared to analog wherein opportunities are limited.

c. Present syllabus to be compared with syllabus from MIT, VIT, etc.

d. Emphasis on internship to facilitate moulding and absorption into industry.

e. To add more lab tools, viz., Virtuso for analog design layout, to add timing extraction in ASIC design, to introduce scripting knowledge viz., Tickle, Perl, etc.

2. Dr. T C Thanuja, Member, Professor, Dept. of VLSI Design and Embedded System VTU Center for PG Studies, Belagavi presented the following feedback from faculty and alumni perspective:

a. Teachers are concentrating more on theory with emphasis on passing percentage. They should also concentrate on lab skills.

b. Case studies not present in the books, but should be discussed.

c. Gaps observed in the following courses: Advanced embedded design, static timing analysis, system Verilog, etc.

3. Dr. S V Sathyanarayana, Member, Professor, Dept. of E&C Engg., JNN College of Engineering, Shivamogga presented the following observations:

Theoretical part with lab support is present for embedded systems. But using open sources more emphasis to be provided on Cortex M3 component.

4. Dr. T M P Rajkumar, Member, Professor & Head, Dept. of E&C Engg., Anjuman Institute of Tech & Mgt., AnjumanabadBhatkal – 581 320 presented the following observations:

Electives in the current syllabus to be made more stream relevant, say in EVE stream, more of VLSI relevant. The relevance of electives such as 'Advanced Image Processing' was questioned.

5. Dr. Narendranath Udupa, Member, Energy Consultant, MEClick B2B services., Previously with Philips, Bengaluru – 560 032 put forth the following suggestions:

To incorporate latest topics in VLSI, say EMI/EMC compatibility with industry support such as BEL.

Resolutions:

- To incorporate lab experiments / Formulation of lab experiments (extra) to be conducted along with identified theory subjects. The following is the allotment of faculty & identified subjects:

Sl. No.	Subject Code	Subject	Faculty In-Charge for framing Lab Experiments as part of CIE of respective theory subject
VLSI Design & Embedded Systems (EVE)			
1	18EVE14	VLSI Testing	Dr. Thanuja&Manjunatha V
2	18EVE23	System Verilog	Dr. Thanuja
3	18EVE31	CAD of Digital Systems	Dr. Andhe Pallavi
Signal Processing (ESP)			
1	18EVE13	Advanced Embedded Systems (18ELD/EIE/ ECS/ESP/EVE13)	Dr. Satyanarayana
2	18ESP21	Image Processing and Machine Vision	Lab (BIT)
3	18ESP31	Adaptive Signal Processing	Lab (BIT)
Industrial Electronics (EIE)			
1	18EVE13	Advanced Embedded Systems (18ELD/EIE/ECS/ESP/EVE13)	Dr. Satyanarayana
2	18EIE23	Design of Power Converters	LAB

3	18EIE31	PLCs and Industrial Automation	LAB (Dr. AndhePallavi)
Digital Electronics/Electronics (ELD)			
1	18EVE13	Advanced Embedded Systems (18ELD/EIE/ECS/ESP/EVE13)	Dr. Satyanarayana
2	18ECS23	Error Control Coding (18ECS23/18ELD23)	Dr. Savitha
3	18ELD31	Synthesis and Optimization of Digital Circuits	LAB
Digital Communication & Networking/Communication Systems/Information & Comm. Systems/ Digital Electronics & Comm. /Digital Comm. Engg/Digital Electronics & Comm. System (ECS)			
1	18EVE13	Advanced Embedded System (18ELD/EIE/ECS/ESP/EVE13)	Dr. Satyanarayana
2	18ECS23	Error Control Coding (18ECS23/18ELD23)	Dr. Savitha
3	18ECS31	LTE 4G Broadband	Dr. Jagadish

2. Identification of 4th elective in the following streams:

New/ Old Electives to be identified	20XXX244	20XXX254	20XXX324	20XXX334
VLSI Design & Embedded Systems (EVE) – Identified & framed from old syllabus	20EVE244 Reconfigurable Computing (18ELD242)	20EVE254 Synthesis and Optimization of Digital Circuits (18ELD31)	20EVE324 Advanced Computer Architecture (18ELD21)	20EVE334 Cryptography and Network Security (18ECS243/ 18EIE243/ 18ELD243)
20XXX244, 20XXX254, 20XXX324, 20XXX334 To be identified for the below M.Tech Streams				
1	Signal Processing (ESP)			
2	Industrial Electronics (EIE)			
3	Digital Electronics/ Electronics (ELD)			
4	Digital Communication & Networking/Communication Systems/Information & Comm. Systems/ Digital Electronics & Comm. /Digital Comm. Engg/Digital Electronics & Comm. System (ECS)			

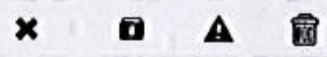
Agenda 2: Revised Syllabus for VTU ULRAT qualifying exam for Ph. D program in ECE

Discussions: Dr. M K Venkatesha presented the old and new syllabus for ratification with explanation.

Resolution: The new presented syllabus was given tentative agreement by all the members present.

The meeting ended with a vote of thanks from the Chairman, Dr. M K Venkatesha.

Dr. M K Venkatesha
Chairman, ECE BoS, VTU, Belgaum
Principal, RNS Institute of Technology
Channasandra, Rajarajeshwari Post, Bengaluru – 560 098



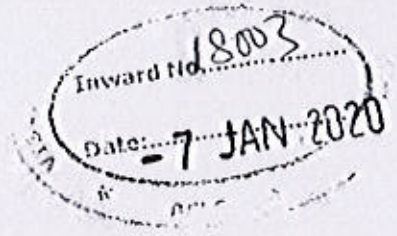
Reply to the appeal from the Hon'ble VC, VTU for inclusion of interdisci...



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

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

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



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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

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RNS Institute of Technology

(AICTE Approved, VTU Affiliated and NAAC 'A' Accredited)
(UG programs – CSE, ECE, ISE, EIE and EEE have been Accredited by NBA)
Channasandra, Dr. Vishnuvardhan Road, Bengaluru – 560 098

Board of Studies in ECE/TCE: 2019 - 22

The Registrar
VTU, Belagavi – 590 018

Sir,

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

Ref: Your office letter dated Nov 19, 2019 with Ref. No: VTU/PS/2019-20/7048

The current syllabus framed after the BOS meeting on Sept. 16, 2019 (Monday) for the M.Tech Programme Curriculum 2020-21 in VLSI DESIGN & EMBEDDED SYSTEMS (EVE) has the following interdisciplinary courses:

Sl. No.	Course Code	Course	Interdisciplinary Area Addressed
1	20EVE242	Nanoelectronics	Nano-electronics
2	20EVE244	Reconfigurable Computing	Control & Optimization
3	20EVE252	SoC Design	Electronic Circuits & Systems
4	20EVE253	Micro Electro Mechanical Systems	MEMS, Design & Manufacturing
5	20EVE321	Advances in Image Processing	Computer Algorithms, Games & Graphics
6	20EVE323	Embedded Linux System Design and Development	Embedded Technology, Computer Architecture
7	20EVE324	Advanced Computer Architecture	Computer Architecture
8	20EVE332	Pattern Recognition & Machine Learning	Artificial Intelligence, Machine learning, Deep Learning, Reinforcement Learning
9	20EVE333	Internet of things	IoT, Protocols and architecture for Constrained Applications viz., smart cities, connected factory / manufacturing, transportation, etc.
10	20EVE334	Cryptography and Network Security	Cryptography and Computer Security,

The percentage (%) of interdisciplinary courses in 2020-21 in M.Tech (VLSI DESIGN & EMBEDDED SYSTEMS (EVE)) is 38.46% [10/26 → (no. of interdisciplinary courses = 10) / (total no. of courses = 26)].

Similarly, other M.Tech Programmes under ECE/TCE board have incorporated the interdisciplinary courses in the 2020-21 curriculum.

Regards,

Yours faithfully,

Dr. M K Venkatesha
Chairman, ECE BoS, VTU, Belgaum
Principal, RNS Institute of Technology
Channasandra, Rajarajeshwari Post, Bengaluru – 560 098

Visvesvaraya Technological University

"Inana Sangama", Belagavi - 590 018, Karnataka State

Board of Studies in ECE/TCE: 2019 - 22

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Date: Sept. 16, 2019 Time: 11.00 a. m.

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Dr. A M Bhavikatti Professor & Head, Dept of E&C Engg. BhccmannaKhandre Institute of Technology, Bhalki	Member
Dr. S V Sathyanarayana, Professor, Dept. of E&C Engg. JNNCE, Shivamogga.	Member
Dr. Savitha H M Professor & Dept. of E&C Engg., St. Joseph Engineering College, Vamanjoor, Mangaluru - 575 028	Member
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Agenda No. 1: M.Tech 2020-21 Syllabus Revision with focus on VLSI & ES (EVE)

Discussions: The members discussed about the feedback received from the stakeholders regarding the current M.Tech Syllabus. A brief overview is presented below.

I. Mr. Manjunatha V, Member, Design Compiler Synopsys India Pvt. Ltd., R&D 7th Floor, Tower B, RMZ Infinity Old Madras Road, Bengaluru - 560 016 presented the following feedback from Industry perspective:

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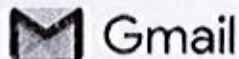
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Resolution: The new presented syllabus was given tentative agreement by all the members present.

The meeting ended with a vote of thanks from the Chairman, Dr. M K Venkatesha.

Dr. M K Venkatesha
Chairman, ECE BoS, VTU, Belgaum
Principal, RNS Institute of Technology
Channasandra, Rajarajeshwari Post, Bengaluru - 560 098



Academic VTU <academicsyl2018@gmail.com>

Proceedings of BOS(AE) meeting at 11 AM on 30 Sept 2019 at VTU's RO, Nagarabhavi

1 message

SK Maharana <skmaha123@gmail.com>

23 October 2019 at 14:28

To: Registrar Vtu <registrar@vtu.ac.in>, VTU Academic <academic.vtu@gmail.com>, Academic VTU <academicsyl2018@gmail.com>
Cc: Ramachandra Krishnaswamy <drkrc2006@gmail.com>, nchikkanna1967@gmail.com, Mukesh PR <vsmprm@gmail.com>, hod-ae@nmit.ac.in, hodaer@mite.ac.in

Sir

Teh proceedings of BOS(AE) meeting held on 30 Sept 2019 is attached herewith for you're kind reference.

Regards

Dr SK Maharana

On Mon, Sep 16, 2019 at 1:29 PM SK Maharana <skmaha123@gmail.com> wrote:

Sir

A BOS(AE) meeting has been proposed to be held on **30 Sept 2019(Monday)**.

Agenda for the above meeting are :

1. To finalise the Mass Online Open 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.
2. Revision of PG (MTech in Aeronautical Engineering and MTech in Aerospace Propulsion Technology) of Syllabus of 2018 scheme.
3. Discussion on PhD coursework(for Aeronautical Engineering/Aerospace Engineering) -2019 onwards.
4. Any other points wif the permission from the Chairman.

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. PK Dash (hod-ae@nmit.ac.in)
6. Dr R Mukesh(vsmprm@gmail.com)

The necessary logistics (local transport, hospitality and other arrangements for the meeting) may please be approved as well.

Regards

Dr SK Maharana

Chairman, BOS(AE)

Contact 9900094967

Proceedings of teh Board of Studies 30 Sep 2019.pdf
92K

**Proceedings of the Board of Studies (AE) held on 30 Sep 2019 at RO,
Bangalore, at 11 AM.**

Members Present:

1. Dr SK Maharana
2. Dr G Purushotham
3. Dr PK Dash
4. Dr Mukesh R

Members on leave: Dr K Ramachandra, Dr N Chikkanna

Agenda-1	:	To finalise the Mass Online Open 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.
Resolution		A list of courses has been prepared and sent to the University
Agenda-2		Revision of PG (MTech in Aeronautical Engineering and MTech in Aerospace Propulsion Technology) of Syllabus of 2018 scheme.
Resolution		PG Scheme 2020-21 (Aeronautical Engineering and Aerospace Propulsion Technology) has been modified as per the guidelines and sent to the University
Agenda-3		Discussion on PhD coursework(for Aeronautical Engineering/Aerospace Engineering) -2019 onwards.
Resolution		BOS suggested to continue with the existing coursework
Agenda		Any other points with the permission from the Chairman.
Resolution		<ol style="list-style-type: none">i) Workshop could be organised by BOS(AE) only for new-age subjects[Artificial Intelligence, Machine Learning , Data Science etc.] being introduced in Aeronautical Engineering/Aerospace engineering [both UG and PG prorammes] with the approval from the University.ii) BOS(AE) requested the Univ to consider the two points[under other points] mentioned in the BOS meeting held on 29 Aug 2019

BOARD OF STUDIES

AUTOMOBILE ENGINEERING

Proceedings of the **Board of Studies Meeting** held on **11th October 2019** at VTU Belagavi, at 11.30 AM

Members Present:

1 | Dr. Ramakrishna N. Hegde, Chairman, BOS in Automobile Engineering, Professor and Head, Dept. of Automobile Engineering, Srinivas Institute of Tech., Srinivas Campus, Valachil, Farangipete, Mangaluru.

2 | Dr. J Venkatesh., Member, BOS in Automobile Engineering, Professor and Head, Dept. of Automobile Engineering, PES College of Engineering, Mandya

3 , Dr. Raju B R, Member, BOS in Automobile Engineering, Professor and Head, Dept. of Automobile Engineering, Oxford College of Engineering, Bengaluru

4 | Sri. Vinayak Lokur, Member, BOS in Automobile Engineering, Expert Valves Pvt. Ltd, Belagavi

Members on Leave:

1. Dr. M I Sakri , Member, BOS in Automobile Engineering, Professor and Head, Dept. of Automobile Engineering, BLDEA's Dr. PG Halakatti college of Engineering, Vijayapur

Minutes of the Meeting:

Chairman, AU Board, welcomed the members of the Board of Studies, Automobile Engineering requested for their active participation, discussions and fruitful conclusions on the agenda. The proceedings of meeting are as follows:

Agenda -1 .

1. Feedback on draft copy of VTU-ERT syllabus and approval

Draft copy of the VTU-ERT that was sent to all the BOS members through email was taken up for further discussion for changes/modifications and final approval. The members agreed to retain the draft copy as the final approved copy, without any modifications.

Resolution:

The draft copy of VTU-ERT syllabus shall be the final approved copy.

Agenda -2 : | **Constitute /Frame the M.Tech syllabus as per the VTU guidelines and template**

All BOS members were apprised of the proceeds of Joint BOS meeting and the guidelines to be followed while framing the M.Tech syllabus for 2019-20 schemes. Discussion was made at length to include latest technological advancements in Automobile Engineering sector. Taking into consideration a draft scheme was prepared, for which the detailed syllabus to be framed.

Resolution:

(i) To introduce the following new courses under Professional core category(PCC) and under Professional Elective category (PEC)

➤ **Semester 1:**

1. Advances in Automotive engines & systems (New)
- 2.. Automotive Chassis & power transmission (New- Modified)
3. Alternative fuels & emission norms (New-Modified)

➤ **Semester 2**

New courses under Professional core category (PCC)

1. Vehicle dynamics (New)
2. Autotronics (New)

New courses under Professional Elective category (PEC)

Professional Elective 1

1. Driverless vehicles (New)
2. Automotive components design (New)

Professional Elective 2

1. Engine management systems (New)
2. Computational fluid dynamics (New)
3. Gas turbines (New)

➤ **Semester 3**

New courses under Professional core category (PCC)

1. Hybrid and Electric vehicles (New-Modified)

New courses under Professional Elective category (PEC)

Professional Elective 3

1. IOT in Automotive Vehicles (New)
2. Advanced Manufacturing Technology (New)
3. Vehicle Aerodynamics & Ergonomics (New)

Professional Elective 4

1. Machine Learning (New)
2. Artificial Intelligence (New)

(ii) A draft scheme of Teaching and Examination for the M.Tech syllabus 2019-20 as per the VTU guidelines and template was framed and the same shall be sent to all the members for constituting the detailed syllabus.

Agenda -3

Guidelines to be followed, discussion on inclusion/deletion/modification of M.Tech syllabus

The following points of the proceedings of JBOS meeting were briefed to all the members present.

(i) The syllabus of 04 and 03 credit courses to be designed for 50 and 40 hours respectively for teaching and learning process.

(ii) Each theory course of the syllabus to have 05 course outcomes.

Resolution:

(i) Guidelines for the mini project shall be finalized in the next meeting.

ii) The draft syllabus of M.Tech, to be finalized before 23/11/2019 and taken up for scrutiny in the next meeting in November - 2019.

Agenda -4

Feedback on SWAYAM courses identified for the proposed honors degree; Additions /Modifications if any

The hard copy of prepared list of Massive Online Open Courses (MOOCs) selected from only NPTEL/SWAYAM platforms for additional credits to be earned by a student for the award of BE/B.Tech (Honors) degree, was given to all the members for comments, if any.

Resolution:

(i) The list was approved without any modifications.

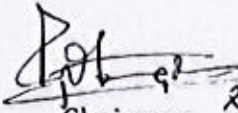
(ii) Shall be updated as and when the need arise.

Agenda -5

Any other matter

Communication to the members either from VTU or from the chairman shall be through the email, and shall be duly responded on time.

The meeting concluded with thanks by the chair.


Chairman, 21/10/2019

BOS in Automobile Engineering,

ME Board

submitting Proceedings of the **BoS** meeting held on **21st sept, 2019**

Vadiraj Katti ✓ (October 2, 2019 3:40 PM)

To: registrar@vtu.ac.in

10309

3 OCT 2019

pdf proceedings of Bo... 314KB

pdf ETR_Mechanical ... 121KB

mechanical PG Pr... 13KB

List of courses sel... 14KB

pdf Booklet_jul-dec_2... 16.9MB

Respected sir,
 Please find attached herewith Proceedings of the meeting of **BoS ME Board** held on 21st sept, 2019 in Registrar's Conference room at VTU, Belagavi.
 This is for your kind consideration and perusal
 with regards
 Prof. Vadiraj V. katti
 M Tech (NITK), PhD (IIT Bombay)
 (Chairman BoS ME Board and Member- Academic Senate, VTU Belagavi) and
 Principal
 KLS VDIT Udyog Vidya Nagar,
 Haliyal 581329
 Cell No. 9449454542
 9480587316

Spl. officer
BoS

3 OCT 2019

Submitted sir

To

Registrar, VTU, Belagavi.

Date: 21st September, 2019

The Meeting of **Board of Studies** (Mechanical Board) 2019-22 of VTU was held on Saturday 21st September, 2019 at 11:00 a.m. in the Conference Room of Registrar of VTU, Belagavi.

Members present:

- | | |
|-----------------------|------------|
| 1. DR VADIRAJ V KATTI | : Chairman |
| 2. DR. M A KAMOJI | : Member |
| 3. DR. RAJESHA S | : Member |
| 4. DR. K. MAHESH DUTT | : Member |
| 5. DR. T. MADHUSUDHAN | : Member |
| 6. DR. K.R.DINESH | : Member |
| 7. DR.H R MANOHARA | : Member |
| 8. PRAKASH R. PATIL | : Member |
| 9. SANTOSH KOTNIS | : Invitee |

Leave of absence was granted to:

- | | |
|---------------------------|----------|
| 1. DR B SADASHIVE GOWDA | : Member |
| 2. DR T. MUNIKENCHE GOWDA | : Member |
| 3. ANAND JOSHI | : Member |

Proceedings of the Meeting

Chairman of BoS welcomed the members for the meeting and briefed the agenda. The details of the proceedings are as below:

1. **Agenda (1):** To discuss about the frame work for designing of ETR Syllabus for Entrance test for Ph D Programme and MSc Engg.

Resolution No.(1): As per the Resolution (Table Agenda 2) of Joint Board of Studies Meeting held on 19th August, 2019 VTU - ETR (Part-ii) is to be conducted for each Programme based on the syllabus prepared exclusively for that programme referring to respective under-graduate programme syllabus. The syllabus should have 10 modules.

Members of the Board of Studies (Mechanical Board) discussed the matter in detail and prepared the draft copy of syllabus of VTU-ETR (part-ii) for

R. Srinivas

Engg., Marine Engg., Mechatronics and Mining Engg. The detailed draft copies of VTU-ETR (part-ii) are enclosed herewith for kind consideration.

2. **Agenda (2):** To initiate the revision of syllabus for PG programme starting from academic year 2020-21

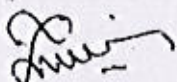
Resolution No.(2): As per the Resolution (Agenda 6) of Joint Board of Studies Meeting held on 19th August, 2019, BoS were informed to initiate the revision of the syllabus of **MTech programme listed under Mechanical Board.**

Members of the Board of Studies (Mechanical Board) perused the guidelines and template notified from Registrar, VTU. It is opined to initiate framing of syllabus by all the members segregated based on the respective field and expertise of the members. The inputs of the members from Industry will be considered while preparing the draft syllabus. Detailed syllabus copy of ongoing courses is shared with all the members. Attached herewith the list of allotment of courses to Members of BoS for initial preparation of curriculum as per the guidelines notified by VTU.

3. **Agenda (3):** To prepare the list of subjects to be selected from MOOCs, NPTEL/SWAYAM platforms for additional credits for the award of BE with Honours in respective specialization:

Resolution No.(3): As per the Resolution (Agenda 3) of Joint Board of Studies Meeting held on 19th August, 2019, BoS were informed to initiate necessary steps to prepare a list of online courses selected from NPTEL-SWAYAM platforms for additional credits to be earned by a student for the award of BE/BTech (Honours) degree.

Members of the Board of Studies (Mechanical Board) perused the guidelines and referred to complete list of online courses available for Jul-Dec 2019 in NPTEL portal. Members discussed thoroughly on the agenda and suggested exclusions of some of the subjected listed in NPTEL portal under mechanical engg. Accordingly, the proposed list of subjects are attached for kind consideration and perusal



Dr. Vadiraj V. Katti,
Chairman, Board of Studies (Mechanical Board) 2019-22
VTU, Belagavi



Visvesvaraya Technological University

Centre for Post Graduate Studies, Bengaluru Region

Muddenahalli, Chikkaballapur - 562 101

Dr. Dinesh Rangappa
Chairman
BOS in Nanotechnology

Mobile: +91 9632764659
E-mail: dineshrangapp@gmail.com

Ref: VTU/MH/PGC/NT/2019-20/ 237

2519-2019

To
The Registrar
Visvesvaraya Technological University
Jnana Sangama
Belgaum - 590018



Respected Sir,

Sub: **Minutes of The Nanotechnology BOS Meeting Held at ROB on 19-11-2019-reg**

With reference to the above mentioned subject, herewith we are submitting Minutes of the Nanotechnology BOS Meeting Held at ROB on 19-11-2019 attached in the sealed envelope. In this regard, it is forwarded for further action.

Kindly do the needful at the earliest and oblige.

Yours Sincerely

(Dr. Dinesh Rangappa)

25/11/2019

Dr. DINESH RANGAPPA
Ph D., D.Engg. (Tokyo)
Professor
Dept. of Nanotechnology, CPGS
Visvesvaraya Technological University
Bengaluru Region



29 NOV 2019

BOS

File
int. Veena

25/11/2019



Visvesvaraya Technological University

MINUTES

[MEETING DATE]

[MEETING TIME]

[MEETING LOCATION]

19-11-2019

10.30 am 5.00 pm

VTU RO Bangalore

MEETING CALLED BY	Registrar
PURPOSE OF MEETING	Board of Studies in Nanotechnology meeting
CHAIRMAN	Dr. Dinesh Rangappa, Professor, Department of Nanotechnology, VTU PG Centre, Muddenahalli, Chickballapur, Karnataka, India
MEMBERS PRESENT	<ol style="list-style-type: none">1. Dr. Prasad, HoD, Dept. Nanotechnology, Srinivasa Engg. College, Mangalore2. Dr. Balaram Sahoo Associate. Professor, Materials Research Centre, IISc. Bangalore3. Dr. Lokesh S. V., Department of Nanotechnology, VTU PG Centre, Muddenahalli, Chickballapur, Karnataka, India4. Dr. R.M. Kulkarni, Professor, Centre for Nano Studies KLS Gogte Institute of Technology, Belagavi
SPECIAL INVITEES PRESENT	NIL
MEETING AGENDA	<ol style="list-style-type: none">1. Revise the scheme and syllabus for M.Tech Nanotechnology for 20202. Scheme and syllabus for one year PG Diploma Course in Nanotechnology3. Any other matters with permission from Chairman

MINUTES OF THE MEETING

Chairman Welcomed all the members of the committee for BOS meeting. Agendas were opened for the discussion and following deliberation and resolutions were taken in the meeting:

Agenda 1. Revise the scheme and syllabus for M.Tech Nanotechnology for 2020

The Board has discussed in detail on scheme and syllabus. The members were circulated with the framed scheme as per the new template provided by the VTU. Board has finalized the Scheme and assigned different members to frame/modify and include new courses to revise the syllabus.


Agenda 2. Scheme and syllabus for one-year PG Diploma Course in Nanotechnology

The Board has discussed the Scheme and syllabus for one-year PG Diploma Course in Nanotechnology and proposed name of the course as "PG Diploma in Nanotechnology". The members have framed the scheme for the PG diploma in Nanotechnology. The members assigned to modify the syllabus according to the scheme. The proposed **Scheme for one-year PG Diploma Course in Nanotechnology is enclosed for further needful action.**


The Chair thanked all the members for their valuable suggestions & involvement.

Members present:


1. Dr. Dinesh Rangappa

R. Di  19/11/19


2. Dr. Prasad P,

 19/11/2019

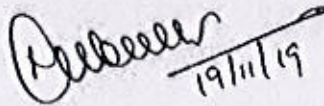
3. Dr. Balaram Sahoo

 19/11/2019

4. Dr. Lokesh S. V.

 19/11/19

5. Dr. R.M. Kulkarni

 19/11/19

**Minutes of the Meeting of the Board of Studies in
MBA held at the Regional Office, VTU, Bangalore on 19th December, 2019**

Members Present:

1. Dr. T. Manjunatha, Chairman, BOS
2. Dr. M.M Bagali, Member
3. Dr. Reena Williams, Member
4. Dr. L. Vijayashree, Member
5. Dr. R. Srinivasan, Member
6. Prof.V.Keshava Murthy, Special Invitee

Members Absent:

7. Dr. S.R.Baramanaikar, Member
8. Dr. M.G Krishnamurthy, Member
9. Dr. Deepak G. Kulkarni, Member

Agenda:

1. To discuss about MBA Scheme & Syllabus for 2020.
2. To discuss about Organisation Study & Project Report for 2020
3. To discuss about calendar of events for MBA in 2020 scheme
4. Any other matter with the permission of the Chair

The following resolutions were taken at the meeting:

1. MBA Scheme & Syllabus for 2020:

- MBA Scheme of teaching and examinations-2020-21 finalized.
- Detail syllabus to be developed and presented in the meeting tentatively fixed on 20th January 2020.
- Following members of the board of studies are requested to formulate the syllabus of the courses mentioned against their names.
 - a. Dr. M.G Krishnamurthy: accounting for manager, financial management and all the other financial courses of III and IV Sem MBA
 - b. Dr. Reena Williams: Marketing Management and all other marketing courses of III and IV Sem MBA
 - c. Dr. M.M Bagali: MOB, HRM and all other HR courses of III and IV Sem MBA
 - d. Dr. L. Vijayashree: General management courses of I & II sem MBA.
 - e. Dr.T.Manjunatha & Dr. Deepak G. Kulkarni: Two newly **introduced Core courses** of III sem MBA, organization study and project report.

2. **Organisation Study & Project Report for 2020:**

- a. **Resolved to retain the same procedure as it is vogue.**

3. Calendar of events for MBA in 2020 scheme:

- a. Chairman BOS to discuss with Registrar (Evaluation) regarding the viability of revision of MBA Calender of Events to **suit placement and project work.**

4. The meeting concluded with a vote of thanks by the Chair.

Dr. M. M. Bagali
Dr. Reena Williams


Dr. L. Vijayashree
Dr. R. Srinivasan
Prof.V. Keshava Murthy

Dr. T. Manjunatha

Visvesvaraya Technological University, Belagavi
Board of Studies – Electrical and Electronics Engineering

Meeting Proceedings held on 24-05-2019 at Regional Office Bengaluru:

1. Chairman welcomed the members and invitees.
2. Draft copy of the syllabus has been finalized based on the feedback/suggestions given by the faculty members in the workshop held at BNMIT, Bengaluru.
3. Chairman is authorized to finalize syllabus and submit to VTU, Belagavi.
4. Subject to be studied/exempted for the students admitting to 2018 scheme from 2015 and 2017 scheme at different semesters are finalized.
5. Meeting is adjourned with thank note by Dr. G. H. Kulkarni.


Dr. G. H. Kulkarni
Chairman, BOS, EEE,
VTU, Belagavi.
Electrical & Electronics Engg.,
Jain College of Engineering,
Machhe, Belgaum-590 014.

Meeting of the Committee constituted for rectification in the credits of Scheme of B.Arch. Programme (2015 Scheme) convened on 11-7-2019, 10.00 AM at VTU, Belagavi

Following members were present:

- 1) Dr. N.V.R. Naidu, Dean & Faculty of Engineering, VTU, Belagavi Chairman
- 2) Dr. H.C. Nagaraj, Principal, NMIT, BengaluruMember
- 3) Dr. Satish Annigeri, Registrar (I/c), VTU, Belagavi..... Member Secretary

Following members were absent:

- 1) Dr. M. G. Venkatesh Murthy, Hon'ble EC Member of VTU, Belagavi Member

Dr. Satish Annigeri, Registrar (I/c) welcomed all the members.

All the members went through thoroughly the Scheme and Syllabus of B.Arch. Programme of 2015 Scheme in detail in the context of variations in proposed total number of credits for B.Arch. programme/ scheme and resolved as follows:

Resolutions of the Meeting.

- 1) B. Arch.

The credits and contact hours are normalized as below according to Council of Architecture

Subject	Contact Hours per week		Credits	
			Existing	Corrected
15ARC 9.1 Professional Training	-	-	14	13

The meeting ended with thanks to the Chair.

Signature of the Committee Members

- 1) Dr. N.V.R. Naidu, Dean & Faculty of Engineering, VTU, Belagavi _____
- 2) Dr. H.C. Nagaraj, Principal, NMIT, Bengaluru _____
- 3) Dr. Satish Annigeri, Registrar (I/c), VTU, Belagavi _____

BMS SCHOOL OF ARCHITECTURE®

Estd : 2010, Affiliated to VTU, Approved By CoA

Web : www.bmssa.ac.in

Tele: Fax: (080) 28463208, Email : director@bmssa.ac.in, directorbmssa@gmail.com, bmssa.office@gmail.com

Proceedings of the Architecture- Board of Studies Meeting

Held on 9th September 2019, 11.00 AM at the VTU Regional Office, Nagarabhavi, Bangalore

1	Dr. Vasanth K Bhat., Member BOS in Architecture, Principal, R N S School of Architecture, Channasandra, Srinivasapura, Bengaluru - 560098
2	Dr. Jagannathan. R., Member BOS in Architecture, Principal, K. S. School of Architecture, #15, Near Vajarahalli, Mallasandra, Off Kanakapura Road, Bengaluru - 560019.
3	Dr. Nishita R Tadkodkar., Member, BOS, in Architecture, Professor & Head, Architecture Dept., KLS' Gogte Institute of Technology, "Jnana Ganga", Udyambag, Belgavi - 590008.
4	Prof. Suresh Murthy., Member BOS in Architecture, Professor & Dean, R V School of Architecture, 14 th Block, Vajarahalli Main Road, Near Chikagowdanapalya, Banashankari 6 th Stage, Bengaluru
5	Dr. M. N. Chandrashekhar., Member BOS in Architecture, Principal, SJB School of Architecture & Planning, BGS Health & Education City, Kengeri, Bengaluru-560060.
6	Ar. Bijoy Ramachandran., Member in BOS Architecture, Architect, Hundred Hands, 9/2 Madras Bank Road, Bengaluru - 560001.
7	Ar. Sapna Shivakumar., Member BOS in Architecture, Professor, Mysore School of Architecture, CA-01, University Layout, Near Dattagalli Ring Road, Lingambudi, Mysuru.

Members Present:

Members on Leave: Dr. V. P. Thanksali had informed that he was unable to attend the meeting.

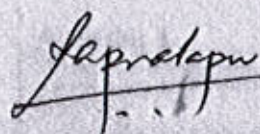
Minutes of the Meeting:

Agenda: 1	:	Revision of syllabus for PG programs starting from 2020-21. Draft Scheme to be finalized by December 2019.
Resolution	:	(i) In the first phase, The PG programs to be considered for revision, were listed down as, M. Arch-Urban Design and M. Arch-Habitat Design . (ii) The draft scheme of teaching and examinations and syllabus will be submitted to VTU on or before 29-12-2019. (iii) A panel comprising of academicians, practicing Architects, faculty and special invitees will be formed and detailed discussions w r t M. Arch curriculum will be held in the month of October 2019.

		<p>(iv) Towards the above, it was noted that the syllabus of 04 and 03 credit courses are to be designed for 50 and 40 hours respectively. Each theory course of the syllabus to have 05 course outcomes. Course outcomes for all studio-based subjects (Labs), Internship, seminar etc shall be discussed further and arrived at. A template shall be furnished by the VTU for all M. Arch programs.</p> <p>(v) It was also decided that M. Arch-Digital Architecture and M. Arch- Construction Management could be taken up at a later date, since they are being introduced recently and will commence only from the Academic year 2019-20. However, the syllabus should be re-scrutinized.</p>
Agenda: 2	:	VTU – ETR Syllabus Part II, draft to be finalized
Resolution	:	Part-II of VTU-ETR, the frame work including ten units were listed down. The Draft syllabus has been enclosed as Appendix-1
Agenda: 3	:	Re admissions/ repeaters from 2015 syllabus to 2018 syllabus and issue of Marks cards to 2015 batch students
Resolution	:	<p>It was decided by common consensus that</p> <p>(i) Readmission to the IIIrd semester of 2018 Scheme can be permitted for students from 2015 Scheme by taking up one additional subject 18HUM 28- Kannada Bhashe.</p> <p>(ii) For Readmission to the Vth and VIth semesters of 2018 Scheme, students will have to continue in the 2015 Scheme, by taking up parallel classes conducted by respective colleges.</p> <p>(iii) Draft letter to the Registrar is as per Appendix-2</p>
Agenda: 4	:	Suggestions regarding Revision of Examination fee structure for B. Arch Practical Examinations
Resolution	:	It was a general observation by most of the members that a raise in the Examination Fees per student would be beneficial for them as well as for the Institutions which would give an opportunity for good industry experts from bigger cities can be invited to conduct Juries (VIVA) for most of the studio subjects, Thesis and PT.
Agenda: 5	:	Suggestions for revised remuneration for examiners (Jurors) for Practical Examinations

Resolution	: Most of the members requested for increasing the TA-DA and Remuneration for Jurors (Examiners) B. Arch Practical Examinations, to enable industry experts to be invited especially for subjects such as THESIS and PRACTICAL TRAINING . Example of Mysore University was cited, as a model to be adopted.
Agenda: 6	: Ph.D. coursework subject classes to be conducted at research Centre
Resolution	: Members suggested strongly, that all research Centers with students who have registered for PhDs under VTU, must be instructed to conduct classes for course work subjects regularly.
Agenda: 7	: Any other matter with the permission of the chair.
Resolution	: <ul style="list-style-type: none"> (1) The subject of 'OPEN ELECTIVE' was discussed briefly. The BOS noted that no shortlisted topics nor any details such as outcomes were suggested in the syllabus under Open Electives. The concept of Open Elective would be effective for Colleges having multiple programs. Excepting RVCA, no other college had opted for the open elective as on date. Hence, all the collages may be advised to choose from Professional Electives-a,b,c and open elective to be omitted. (2) 'JOURNAL' for Architecture under VTU will be highly beneficial to the fraternity. Request will be placed before the Registrar for the same.

The meeting ended on a positive note and the Chair thanked all the members for their participation.



Prof. Dr. Sapna Papu
Director, BMS School of Architecture, Yelahanka
Chairman, BOS, Architecture, VTU, Belagavi

**Minutes of the Meeting of the Board of Studies in
MBA held at the Regional Office, VTU, Bangalore on 31st August 2019**

Members Present:

1. Dr. T. Manjunatha, Chairman, BOS
2. Dr. M.M Bagali, Member
3. Dr. Reena Williams, Member
4. Dr. L. Vijayashree, Member

Members Absent:

1. Dr. S.R.Baramanaikar, Member
2. Dr. M.G Krishnamurthy, Member
3. Dr. Deepak G. Kulkarni, Member
4. Dr. R. Srinivasan, Member

Agenda:

1. To finalise the Syllabus for VTU Eligibility Test for Research (ETR) in MBA.
2. To discuss revision of MBA Syllabus 2018 Scheme.
3. Any other matters

The following resolutions were taken at the meeting:

1. Finalised the Syllabus for VTU Eligibility Test for Research (ETR) in MBA. Enclosed the revised Syllabus.
2. Discussed revision of MBA Syllabus 2018 Scheme for the revision of 2020 scheme.
 - a. In order to have better placement opportunities for the students, organizational study and project work can be clubbed as Major Project report (MPR) for 10 weeks.
 - b. Major project report will be carried on after 4th semester theory classes. (The scheme and the proposal of MPR will be sent by 5th Sep, 2019)
 - c. Requested to organize workshop for HR Analytics (18MBAHR302) and Direct Taxation (18MBAFM303).
3. The meeting concluded with a vote of thanks by the Chair.

1. Dr. T. Manjunatha, Chairman, BOS
2. Dr. M. M. Bagali, Member
3. Dr. Reena Williams, Member
4. Dr. L. Vijayashree, Member

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
Topics of Syllabus for the Qualifying Exam for the Ph.D.Programme
Syllabus for the VTU-ERT

Part II: Discipline Oriented

Section Questions carrying one

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Marks (objective/multiple choice)

Module 1:

Management- Definition, Nature, Purpose and Functions; Principles of Management- Planning, Nature, Process, Types and Steps; Organizing- Structure, Span of Management, Centralization, Decentralization; Empowerment; Staffing – Overview; Directing and Controlling - Process, Types of Control; MBO ; Management Guru's, Management Theories.

Module 2:

Organization Behavior- Nature, Learning; Personality- Definition, Traits, Determinants; Evolution & Organizational Behavior in India; Perception-Meaning, Factors Influencing Perception, Errors of Perception; Decision Making.

Module 3:

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Module 4:

Human Resource Management - Definition, Nature, Scope, Importance and Evolution of the concept of HRM, Managerial and operative functions of HRM- Man power Planning, Recruitment, Selection, Training and Development, Performance Management System.

Module 5:

Financial Management - Definition, Scope, Functions, Objectives, Time Value Money; Financial Markets; Financial Instruments, Financial Institutions and Financial Services.

Latest Management concepts in all the above modules.



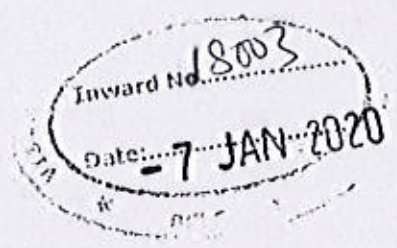
Reply to the appeal from the Hon'ble VC, VTU for inclusion of interdisci...



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...
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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

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BMS SCHOOL OF ARCHITECTURE®

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Tele: Fax: (080) 28463208, Email : director@bmssa.ac.in, directorbmssa@gmail.com, bmssa.office@gmail.com

Proceedings of the Architecture- Board of Studies Meeting

Held on 9th September 2019, 11.00 AM at the VTU Regional Office, Nagarabhavi, Bangalore

1	Dr. Vasanth K Bhat. , Member BOS in Architecture, Principal, R N S School of Architecture, Channasandra, Srinivasapura, Bengaluru - 560098
2	Dr. Jagannathan. R. , Member BOS in Architecture, Principal, K. S. School of Architecture, #15, Near Vajarahalli, Mallasandra, Off Kanakapura Road, Bengaluru - 560019.
3	Dr. Nishita R Tadkodkar. , Member, BOS, in Architecture, Professor & Head, Architecture Dept., KLS' Gogte Institute of Technology, "Jnana Ganga", Udyambag, Belgavi - 590008.
4	Prof. Suresh Murthy. , Member BOS in Architecture, Professor & Dean, R V School of Architecture, 14 th Block, Vajarahalli Main Road, Near Chikagowdanapalya, Banashankari 6 th Stage, Bengaluru
5	Dr. M. N. Chandrashekhar. , Member BOS in Architecture, Principal, SJB School of Architecture & Planning, BGS Health & Education City, Kengeri, Bengaluru-560060.
6	Ar. Bijoy Ramachandran. , Member in BOS Architecture, Architect, Hundred Hands, 9/2 Madras Bank Road, Bengaluru - 560001.
7	Ar. Sapna Shivakumar. , Member BOS in Architecture, Professor, Mysore School of Architecture, CA-01, University Layout, Near Dattagalli Ring Road, Lingambudi, Mysuru.

Members Present:

Members on Leave: Dr. V. P. Thanksali had informed that he was unable to attend the meeting.

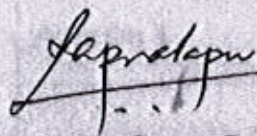
Minutes of the Meeting:

Agenda: 1	:	Revision of syllabus for PG programs starting from 2020-21. Draft Scheme to be finalized by December 2019.
Resolution	:	(i) In the first phase, The PG programs to be considered for revision, were listed down as, M. Arch-Urban Design and M. Arch-Habitat Design . (ii) The draft scheme of teaching and examinations and syllabus will be submitted to VTU on or before 29-12-2019. (iii) A panel comprising of academicians, practicing Architects, faculty and special invitees will be formed and detailed discussions w r t M. Arch curriculum will be held in the month of October 2019.

	<p>(iv) Towards the above, it was noted that the syllabus of 04 and 03 credit courses are to be designed for 50 and 40 hours respectively. Each theory course of the syllabus to have 05 course outcomes. Course outcomes for all studio-based subjects (Labs), internship, seminar etc shall be discussed further and arrived at. A template shall be furnished by the VTU for all M. Arch programs.</p> <p>(v) It was also decided that M. Arch-Digital Architecture and M. Arch- Construction Management could be taken up at a later date, since they are being introduced recently and will commence only from the Academic year 2019-20. However, the syllabus should be re-scrutinized.</p>
Agenda: 2	: VTU – ETR Syllabus Part II, draft to be finalized
Resolution	: Part-II of VTU-ETR, the frame work including ten units were listed down. The Draft syllabus has been enclosed as Appendix-1
Agenda: 3	: Re admissions/ repeaters from 2015 syllabus to 2018 syllabus and issue of Marks cards to 2015 batch students
Resolution	<p>It was decided by common consensus that</p> <p>(i) Readmission to the IIIrd semester of 2018 Scheme can be permitted for students from 2015 Scheme by taking up one additional subject 18HUM 28- Kannada Bhashe.</p> <p>(ii) For Readmission to the Vth and VIIth semesters of 2018 Scheme, students will have to continue in the 2015 Scheme, by taking up parallel classes conducted by respective colleges.</p> <p>(iii) Draft letter to the Registrar is as per Appendix-2</p>
Agenda: 4	: Suggestions regarding Revision of Examination fee structure for B. Arch Practical Examinations
Resolution	: It was a general observation by most of the members that a raise in the Examination Fees per student would be beneficial for them as well as for the Institutions which would give an opportunity for good industry experts from bigger cities can be invited to conduct Juries (VIVA) for most of the studio subjects, Thesis and PT.
Agenda: 5	: Suggestions for revised remuneration for examiners (Jurors) for Practical Examinations

Resolution	: Most of the members requested for increasing the TA-DA and Remuneration for Jurors (Examiners) B. Arch Practical Examinations, to enable industry experts to be invited especially for subjects such as THESIS and PRACTICAL TRAINING . Example of Mysore University was cited, as a model to be adopted.
Agenda: 6	: Ph.D. coursework subject classes to be conducted at research Centre
Resolution	: Members suggested strongly, that all research Centers with students who have registered for PhDs under VTU, must be instructed to conduct classes for course work subjects regularly.
Agenda: 7	: Any other matter with the permission of the chair.
Resolution	: <ul style="list-style-type: none"> (1) The subject of 'OPEN ELECTIVE' was discussed briefly. The BOS noted that no shortlisted topics nor any details such as outcomes were suggested in the syllabus under Open Electives. The concept of Open Elective would be effective for Colleges having multiple programs. Excepting RVCA, no other college had opted for the open elective as on date. Hence, all the collages may be advised to choose from Professional Electives-a,b,c and open elective to be omitted. (2) 'JOURNAL' for Architecture under VTU will be highly beneficial to the fraternity. Request will be placed before the Registrar for the same.

The meeting ended on a positive note and the Chair thanked all the members for their participation.



Prof. Dr. Sapna Papu
 Director, BMS School of Architecture, Yelahanka
 Chairman, BOS, Architecture, VTU, Belagavi

**Minutes of the Meeting of the Board of Studies in
MBA held at the Regional Office, VTU, Bangalore on 31st August 2019**

Members Present:

1. Dr. T. Manjunatha, Chairman, BOS
2. Dr. M.M Bagali, Member
3. Dr. Reena Williams, Member
4. Dr. L. Vijayashree, Member

Members Absent:

1. Dr. S.R.Baramanaikar, Member
2. Dr. M.G Krishnamurthy, Member
3. Dr. Deepak G. Kulkarni, Member
4. Dr. R. Srinivasan, Member

Agenda:

1. To finalise the Syllabus for VTU Eligibility Test for Research (ETR) in MBA.
2. To discuss revision of MBA Syllabus 2018 Scheme.
3. Any other matters

The following resolutions were taken at the meeting:

1. Finalised the Syllabus for VTU Eligibility Test for Research (ETR) in MBA. Enclosed the revised Syllabus.
2. Discussed revision of MBA Syllabus 2018 Scheme for the revision of 2020 scheme.
 - a. In order to have better placement opportunities for the students, organizational study and project work can be clubbed as Major Project report (MPR) for 10 weeks.
 - b. Major project report will be carried on after 4th semester theory classes. (The scheme and the proposal of MPR will be sent by 5th Sep, 2019)
 - c. Requested to organize workshop for HR Analytics (18MBAHR302) and Direct Taxation (18MBAFM303).
3. The meeting concluded with a vote of thanks by the Chair.

1. Dr. T. Manjunatha, Chairman, BOS
2. Dr. M. M. Bagali, Member
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
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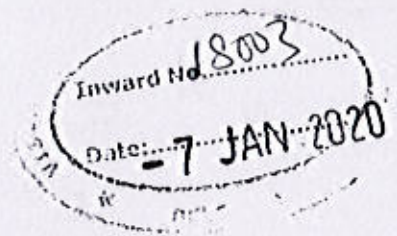
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2. Your office letter dated Dec 20, 2019 with Ref. No: VTU/Aca/A-9/2019-20/8074

with the following subjects:

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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

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Channasandra, Dr. Vishnuvardhan Road, Bengaluru – 560 098

Board of Studies in ECE/TCE: 2019 - 22

The Registrar

VTU, Belagavi – 590 018

Sir,

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

Ref: Your office letter dated Nov 19, 2019 with Ref. No: VTU/PS/2019-20/7048

The current syllabus framed after the BOS meeting on Sept. 16, 2019 (Monday) for the M.Tech Programme Curriculum 2020-21 in VLSI DESIGN & EMBEDDED SYSTEMS (EVE) has the following interdisciplinary courses:

Sl. No.	Course Code	Course	Interdisciplinary Area Addressed
1	20EVE242	Nanoelectronics	Nano-electronics
2	20EVE244	Reconfigurable Computing	Control & Optimization
3	20EVE252	SoC Design	Electronic Circuits & Systems
4	20EVE253	Micro Electro Mechanical Systems	MEMS, Design & Manufacturing
5	20EVE321	Advances in Image Processing	Computer Algorithms, Games & Graphics
6	20EVE323	Embedded Linux System Design and Development	Embedded Technology, Computer Architecture
7	20EVE324	Advanced Computer Architecture	Computer Architecture
8	20EVE332	Pattern Recognition & Machine Learning	Artificial Intelligence, Machine learning, Deep Learning, Reinforcement Learning
9	20EVE333	Internet of things	IoT, Protocols and architecture for Constrained Applications viz., smart cities, connected factory / manufacturing, transportation, etc.
10	20EVE334	Cryptography and Network Security	Cryptography and Computer Security,

The percentage (%) of interdisciplinary courses in 2020-21 in M.Tech (VLSI DESIGN & EMBEDDED SYSTEMS (EVE)) is 38.46% [10/26 → (no. of interdisciplinary courses = 10) / (total no. of courses = 26)].

Similarly, other M.Tech Programmes under ECE/TCE board have incorporated the interdisciplinary courses in the 2020-21 curriculum.

Regards,

Yours faithfully,

Dr. M K Venkatesha

Chairman, ECE BoS, VTU, Belgaum

Principal, RNS Institute of Technology

Channasandra, Rajarajeshwari Post, Bengaluru – 560 098

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The current syllabus framed after the BOS meeting on Sept. 16, 2019 (Monday) for the M.Tech Programme Curriculum 2020-21 in VLSI DESIGN & EMBEDDED SYSTEMS (EVE) has the following percentage of changes in the number of courses and course content.

Sl. No.	A	B	% change = (B/A) x100
1	22 [Total Number of Courses (core & electives) in 2018-19 syllabus of M.Tech EVE (VLSI Design & Embedded Systems) Programme]	04 [Number of new courses added in 2020-21 syllabus of M.Tech EVE (VLSI Design & Embedded Systems) Programme]	18.18% Change in percentage (%) of courses in the programme (M.Tech EVE (VLSI Design & Embedded Systems))
2	22 + 2 labs [22 - Total Number of Courses (core & electives) in 2018-19 syllabus of M.Tech EVE (VLSI Design & Embedded Systems) Programme]	15 [Number of courses with modified / changed contents in 2020-21 syllabus of M.Tech EVE (VLSI Design & Embedded Systems) Programme]	62.5% (15/24 * 100) Change in percentage (%) of content of the course in a course.

Also, the following are attached herewith:

1. All feedbacks from stakeholders (as briefed in the BoS meeting by the members)
2. BoS proceeding (with minuted discussions) with necessity of revision

Regards,

Yours faithfully,

Dr. M K Venkatesha
 Chairman, ECE BoS, VTU, Belgaum
 Principal, RNS Institute of Technology
 Channasandra, Rajarajeshwari Post, Bengaluru – 560 098

Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State
Board of Studies in ECE/TCE: 2019 - 22

First meeting of the BoS (ECE/TCE) : 2019-22

Date: Sept. 16, 2019 Time: 11.00 a. m.

Venue: VTU Regional Center, Nagarbhavi, Bangalore.

List of members present

Name & Address	Designation
Dr. M K Venkatesha Principal, RNS Institute of Technology Channasandra, Rajarajeshwari Post, Bengaluru - 560 098	Chairman
Dr. T M P Rajkumar Professor & Head, Dept. of E&C Engg. Anjuman Institute of Tech & Mgt., Anjumanabad Bhatkal - 581 320	Member
Dr. A M Bhavikatti Professor & Head, Dept of E&C Engg. BheemannaKhandre Institute of Technology, Bhalki	Member
Dr. S V Sathyanarayana, Professor, Dept. of E&C Engg. JNNCE, Shivamogga.	Member
Dr. Savitha H M Professor & Dept. of E&C Engg., St. Joseph Engineering College, Vamanjoor, Mangaluru - 575 028	Member
Dr. D J Ravi Professor & Dean, Dept. of E&C Engg., Vidyavardhaka College of Engg., Gokulam 3 rd Stage, Mysuru - 570 002	Member
Dr. T C Thanuja Professor, Dept. of VLSI Design and Embedded System VTU Center for PG Studies, Belagavi	Member
Dr. Jagadeesh Chandra A P Professor, Dept. of E&C Engg., Adichunchanagiri Inst. of Technology, Jyothi nagar Post, Chikmangaluru - 577 102	Member
Mr. Manjunatha V Design Compiler Synopsys India Pvt. Ltd., R&D 7 th Floor, Tower B, RMZ Infinity, Old Madras Road, Bengaluru - 560 016	Member
Dr. Narendranath Udupa Energy Consultant, MECLink B2B services. Previously with Philips, Bengaluru - 560 032	Member
Dr. Andhe Pallavi Professor & Dean, Dept. of EIE Engg., RNSIT, Bengaluru -98	Invited Member

Proceedings of the meeting:

Dr. M K Venkatesha, Chairman, BoS (ECE/TCE) welcomed the members and invitees of the BoS (ECE/TCE).

Agenda No. 1: M.Tech 2020-21 Syllabus Revision with focus on VLSI & ES (EVE)

Discussions: The members discussed about the feedback received from the stakeholders regarding the current M.Tech Syllabus. A brief overview is presented below.

1. **Mr. Manjunatha V, Member,** Design Compiler Synopsys India Pvt. Ltd., R&D 7th Floor, Tower B, RMZ Infinity Old Madras Road, Bengaluru - 560 016 presented the following feedback from Industry perspective:

- a. Services industry in VLSI requires Pure Design and electronic design capabilities based on tools such as Cadence, Synopsys, etc.

- b. Strong Digital Design Concepts required as compared to analog wherein opportunities are limited.
- c. Present syllabus to be compared with syllabus from MIT, VIT, etc.
- d. Emphasis on internship to facilitate moulding and absorption into industry.
- e. To add more lab tools, viz., Virtuso for analog design layout, to add timing extraction in ASIC design, to introduce scripting knowledge viz., Tickle, Perl, etc.

2. **Dr. T C Thanuja, Member, Professor, Dept. of VLSI Design and Embedded System VTU Center for PG Studies, Belagavi** presented the following feedback from faculty and alumni perspective:

- a. Teachers are concentrating more on theory with emphasis on passing percentage. They should also concentrate on lab skills.
- b. Case studies not present in the books, but should be discussed.
- c. Gaps observed in the following courses: Advanced embedded design, static timing analysis, system Verilog, etc.

3. **Dr. S V Sathyanarayana, Member, Professor, Dept. of E&C Engg., JNN College of Engineering, Shivamogga** presented the following observations:

Theoretical part with lab support is present for embedded systems. But using open sources more emphasis to be provided on Cortex M3 component.

4. **Dr. T M P Rajkumar, Member, Professor & Head, Dept. of E&C Engg., Anjuman Institute of Tech & Mgt., AnjumanabadBhatkal – 581 320** presented the following observations:

Electives in the current syllabus to be made more stream relevant, say in EVE stream, more of VLSI relevant. The relevance of electives such as 'Advanced Image Processing' was questioned.

5. **Dr. Narendranath Udupa, Member, Energy Consultant, MEClInk B2B services., Previously with Philips, Bengaluru – 560 032** put forth the following suggestions:

To incorporate latest topics in VLSI, say EM/EMC compatibility with industry support such as BEL.

Resolutions:

- 1. To incorporate lab experiments / Formulation of lab experiments (extra) to be conducted along with identified theory subjects. The following is the allotment of faculty & identified subjects:

Sl. No.	Subject Code	Subject	Faculty In-Charge for framing Lab Experiments as part of CIE of respective theory subject
VLSI Design & Embedded Systems (EVE)			
1	18EVE14	VLSI Testing	Dr. Thanuja&Manjunatha V
2	18EVE23	System Verilog	Dr. Thanuja
3	18EVE31	CAD of Digital Systems	Dr. Andhe Pallavi
Signal Processing (ESP)			
1	18EVE13	Advanced Embedded Systems (18ELD/EIE/ ECS/ESP/EVE13)	Dr. Satyanarayana
2	18ESP21	Image Processing and Machine Vision	Lab (BIT)
3	18ESP31	Adaptive Signal Processing	Lab (BIT)
Industrial Electronics (EIE)			
1	18EVE13	Advanced Embedded Systems (18ELD/EIE/ECS/ESP/EVE13)	Dr. Satyanarayana
2	18EIE23	Design of Power Converters	LAB

3	18EIE31	PLCs and Industrial Automation	LAB (Dr. AndhePallavi)
Digital Electronics/Electronics (E:LD)			
1	18EVE13	Advanced Embedded Systems (18ELD/EIE/ECS/ESP/EVE13)	Dr. Satyanarayana
2	18ECS23	Error Control Coding (18ECS23/18ELD23)	Dr. Savitha
3	18ELD31	Synthesis and Optimization of Digital Circuits	LAB
Digital Communication & Networking/Communication Systems/Information & Comm. Systems/ Digital Electronics & Comm. /Digital Comm. Engg/Digital Electronics & Comm. System (ECS)			
1	18EVE13	Advanced Embedded System (18ELD/EIE/ECS/ESP/EVE13)	Dr. Satyanarayana
2	18ECS23	Error Control Coding (18ECS23/18ELD23)	Dr. Savitha
3	18ECS31	LTE 4G Broadband	Dr. Jagadish

2. Identification of 4th elective in the following streams:

New/ Old Electives to be identified	20XXX244	20XXX254	20XXX324	20XXX334
VLSI Design & Embedded Systems (EVE) – Identified & framed from old syllabus	20EVE244 Reconfigurable Computing (18ELD242)	20EVE254 Synthesis and Optimization of Digital Circuits (18ELD31)	20EVE324 Advanced Computer Architecture (18ELD21)	20EVE334 Cryptography and Network Security (18ECS243/ 18EIE243/ 18ELD243)
20XXX244, 20XXX254, 20XXX324, 20XXX334 To be identified for the below M.Tech Streams				
1	Signal Processing (ESP)			
2	Industrial Electronics (EIE)			
3	Digital Electronics/ Electronics (ELD)			
4	Digital Communication & Networking/Communication Systems/Information & Comm. Systems/ Digital Electronics & Comm. /Digital Comm. Engg/Digital Electronics & Comm. System (ECS)			

Agenda 2: Revised Syllabus for VTU UL RAT qualifying exam for Ph. D program in ECE

Discussions: Dr. M K Venkatesha presented the old and new syllabus for ratification with explanation.

Resolution: The new presented syllabus was given tentative agreement by all the members present.

The meeting ended with a vote of thanks from the Chairman, Dr. M K Venkatesha.

Dr. M K Venkatesha
Chairman, ECE BoS, VTU, Belgaum
Principal, RNS Institute of Technology
Channasandra, Rajarajeshwari Post, Bengaluru – 560 098



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Ref: Your office letter dated Nov 19, 2019 with Ref. No: VTU/PS/2019-20/7048

The current syllabus framed after the BOS meeting on Sept. 16, 2019 (Monday) for the M.Tech Programme Curriculum 2020-21 in VLSI DESIGN & EMBEDDED SYSTEMS (EVE) has the following interdisciplinary courses:

Sl. No.	Course Code	Course	Interdisciplinary Area Addressed
1	20EVE242	Nanoelectronics	Nano-electronics
2	20EVE244	Reconfigurable Computing	Control & Optimization
3	20EVE252	SoC Design	Electronic Circuits & Systems
4	20EVE253	Micro Electro Mechanical Systems	MEMS, Design & Manufacturing
5	20EVE321	Advances in Image Processing	Computer Algorithms, Games & Graphics
6	20EVE323	Embedded Linux System Design and Development	Embedded Technology, Computer Architecture
7	20EVE324	Advanced Computer Architecture	Computer Architecture
8	20EVE332	Pattern Recognition & Machine Learning	Artificial Intelligence, Machine learning, Deep Learning, Reinforcement Learning
9	20EVE333	Internet of things	IoT, Protocols and architecture for Constrained Applications viz., smart cities, connected factory / manufacturing, transportation, etc.
10	20EVE334	Cryptography and Network Security	Cryptography and Computer Security,

The percentage (%) of interdisciplinary courses in 2020-21 in M.Tech (VLSI DESIGN & EMBEDDED SYSTEMS (EVE)) is 38.46% [10/26 → (no. of interdisciplinary courses =10) / (total no. of courses = 26)].

Similarly, other M.Tech Programmes under ECE/TCE board have incorporated the interdisciplinary courses in the 2020-21 curriculum.

Regards,

Yours faithfully,

Dr. M K Venkatesha
Chairman, ECE BoS, VTU, Belgaum
Principal, RNS Institute of Technology
Channasandra, Rajarajeshwari Post, Bengaluru – 560 098

Visvesvaraya Technological University

"Inana Sangama", Belagavi - 590 018, Karnataka State

Board of Studies in ECE/TCE: 2019 - 22

First meeting of the BoS (ECE/TCE) : 2019-22

Date: Sept. 16, 2019 Time: 11.00 a. m.

Venue: VTU Regional Center, Nagarbhavi, Bangalore.

List of members present

Name & Address	Designation
Dr. M K Venkatesha Principal, RNS Institute of Technology Channasandra, Rajarajeshwari Post, Bengaluru - 560 098	Chairman
Dr. T M P Rajkumar Professor & Head, Dept. of E&C Engg. Anjuman Institute of Tech & Mgt., Anjumanabad Bhatkal - 581 320	Member
Dr. A M Bhavikatti Professor & Head, Dept of E&C Engg. BheemannaKhandre Institute of Technology, Bhalki	Member
Dr. S V Sathyanarayana, Professor, Dept. of E&C Engg. JNNCE, Shivamogga.	Member
Dr. Savitha H M Professor & Dept. of E&C Engg., St. Joseph Engineering College, Vamanjoor, Mangaluru - 575 028	Member
Dr. D J Ravi Professor & Dean, Dept. of E&C Engg., Vidyavardhaka College of Engg., Gokulam 3 rd Stage, Mysuru - 570 002	Member
Dr. T C Thanuja Professor, Dept. of VLSI Design and Embedded System VTU Center for PG Studies, Belagavi	Member
Dr. Jagadeesh Chandra A P Professor, Dept. of E&C Engg., Adichunchanagiri Inst. of Technology, Jyothi nagar Post, Chikmangaluru - 577 102	Member
Mr. Manjunatha V Design Compiler Synopsys India Pvt. Ltd., R&D 7 th Floor, Tower B, RMZ Infinity, Old Madras Road, Bengaluru - 560 016	Member
Dr. Narendranath Udapa Energy Consultant, MEClink B2B services. Previously with Philips, Bengaluru - 560 032	Member
Dr. Andhe Pallavi Professor & Dean, Dept. of EIE Engg., RNSIT, Bengaluru -98	Invited Member

Proceedings of the meeting:

Dr. M K Venkatesha, Chairman, BoS (ECE/TCE) welcomed the members and invitees of the BoS (ECE/TCE).

Agenda No. 1: M.Tech 2020-21 Syllabus Revision with focus on VLSI & ES (EVE)

Discussions: The members discussed about the feedback received from the stakeholders regarding the current M.Tech Syllabus. A brief overview is presented below.

1. **Mr. Manjunatha V, Member,** Design Compiler Synopsys India Pvt. Ltd., R&D 7th Floor, Tower B, RMZ Infinity Old Madras Road, Bengaluru - 560 016 presented the following **feedback from Industry** perspective:

- a. Services industry in VLSI requires Pure Design and electronic design capabilities based on tools such as Cadence, Synopsys, etc.

3	18EIE31	PLCs and Industrial Automation	LAB (Dr. AndhePallavi)
Digital Electronics/Electronics (ELD)			
1	18EVE13	Advanced Embedded Systems (18ELD/EIE/ECS/ESP/EVE13)	Dr. Satyanarayana
2	18ECS23	Error Control Coding (18ECS23/18ELD23)	Dr. Savitha
3	18ELD31	Synthesis and Optimization of Digital Circuits	LAB
Digital Communication & Networking/Communication Systems/Information & Comm. Systems/ Digital Electronics & Comm. /Digital Comm. Engg/Digital Electronics & Comm. System (ECS)			
1	18EVE13	Advanced Embedded System (18ELD/EIE/ECS/ESP/EVE13)	Dr. Satyanarayana
2	18ECS23	Error Control Coding (18ECS23/18ELD23)	Dr. Savitha
3	18ECS31	LTE 4G Broadband	Dr. Jagadish

2. Identification of 4th elective in the following streams:

New/ Old Electives to be identified	20XXX244	20XXX254	20XXX324	20XXX334
VLSI Design & Embedded Systems (EVE) – Identified & framed from old syllabus	20EVE244 Reconfigurable Computing (18ELD242)	20EVE254 Synthesis and Optimization of Digital Circuits (18ELD31)	20EVE324 Advanced Computer Architecture (18ELD21)	20EVE334 Cryptography and Network Security (18ECS243/ 18EIE243/ 18ELD243)
20XXX244, 20XXX254, 20XXX324, 20XXX334 To be identified for the below M.Tech Streams				
1	Signal Processing (ESP)			
2	Industrial Electronics (EIE)			
3	Digital Electronics/ Electronics (ELD)			
4	Digital Communication & Networking/Communication Systems/Information & Comm. Systems/ Digital Electronics & Comm. /Digital Comm. Engg/Digital Electronics & Comm. System (ECS)			

Agenda 2: Revised Syllabus for VTU UL RAT qualifying exam for Ph. D program in ECE

Discussions: Dr. M K Venkatesha presented the old and new syllabus for ratification with explanation.

Resolution: The new presented syllabus was given tentative agreement by all the members present.

The meeting ended with a vote of thanks from the Chairman, Dr. M K Venkatesha.

Dr. M K Venkatesha
Chairman, ECE BoS, VTU, Belgaum
Principal, RNS Institute of Technology
Channasandra, Rajarajeshwari Post, Bengaluru – 560 098

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

(Held on 26th September, 2019 at VTU Belagavi, at 11:00 A.M)

Members Present:

Sl. No	Name	Designation	Signature
1	Dr. N Nagesha	Chairman	<i>D. Nagesha</i> 26.9.19
2	Dr. Suresh D Mane	Member	<i>S. D. Mane</i> 26/9/19
3	Dr. D R Swamy	Member	On leave with prior intimation
4	Dr. Vinod Puranik	Member	<i>V. Puranik</i> 26.9.2019
5	Dr. N Mohan	Member	<i>N. Mohan</i> 26/9/19
6	Mr. Elango	Member	<i>Elango</i> 26/9/2019
7	Dr. V N Gaitonde	Special Invitee	<i>V. N. Gaitonde</i> 26/09/2019

Minutes of the meeting:

The Chairman Welcomed all the members and Special Invitee to the first meeting of the newly formed VTU-BoS in IPE/IEM/MSE. The Chairman briefly introduced all the Members and Special Invitee before requesting their active participation and involvement in all the activities of the BoS for the period 2019-2022, as stipulated by the VTU. Then, the agenda of the meeting was taken-up one by one and following resolutions were made.

Agenda-1	:	Discussion and Finalization of Syllabus of VTU-ETR for Ph.D. Programme
Resolution	:	The Chairman proposed One draft Syllabus for Industrial & Production Engineering (IPE) / Manufacturing Science & Engineering (MSE), and another one for Industrial Engineering & Management (IEM) as decided in the Joint BoS Meeting. Then, both the syllabi were critically studied and thoroughly discussed in the meeting. The final version of the syllabus unanimously adopted by the BoS for VTU-ETR for Ph.D. Programme is enclosed to these proceedings as Annexure I & II.
Agenda-2	:	Discussions on M.Tech Syllabus of 2020 Scheme
Resolution	:	The Chairman presented the Templates for Scheme of Teaching and Examinations, and also for the Syllabus (applicable for all the M.Tech programmes of 2020 scheme) as furnished by the VTU. Then, preliminary discussions were held regarding the modifications/additions/deletions of various courses (subjects) w.r.t the existing 2018 scheme and syllabus, in all the 7 M.Tech programmes coming under this BoS. It was decided that after due consultation with the teachers of these M.Tech programmes the draft syllabus be prepared and then subsequently to be finalized by the BoS and then submitted to VTU.
Agenda-3	:	Discussion on MOOCs Courses from NPTEL/SWAYAM Platforms for the Proposed B.E (Hon) degree of VTU
Resolution	:	A detailed discussion on various courses offered by NPTEL/SWAYAM

	Platform was held in the meeting. It was felt that the B.E students belonging to IPE/IEM/MSE intending to acquire B.E (Honours) must be encouraged to take up courses other than the ones studied by them as part of their UG degree curriculum, so that additional knowledge is acquired by them. Hence various courses offered by IITs, IISc and other Institutes of National Importance under NPTEUSWAYAM Platform in different disciplines such as Multidisciplinary areas, Mechanical Engineering, Computer Science & Engineering, Civil Engineering, etc., appropriate for the B.E Students of IPE/IEM/MSE have been identified and recommended as per Annexure III. The students may select a combination of courses based on their interest meeting the ADDITIONAL credits requirement of the VTU, for this purpose.
Agenda-4	: Any other relevant matter with the permission of chair
Resolution	: As there were no other issues for discussion, the Chairman thanked all the members and special invitee for their active participation and concluded the meeting.

N. Nagesha 26.9.19

Dr. N Nagesha
Chairman

VTU-BoS in (IPE/IEM/MSE)

Dr. N. Nagesha

D.M.E., B.E., M.E.M., Ph.D. (IISc)
I.T., IISc, IIT, IPE, IEM, MSE, IISc, IIT, IISc

Professor & Chairman
Dept. of Industrial & Production Engg.
University BDF College of Engineering
(A Constituent College of VTU, Belagavi)
DAVANAGERE - 577 004



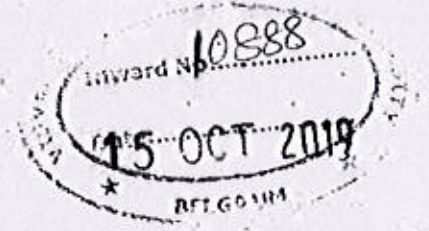
GOVERNMENT OF KARNATAKA
DEPARTMENT OF TECHNICAL EDUCATION

GOVERNMENT ENGINEERING COLLEGE, HAVERI

Ph No.: 08375 283347 (Pri), 08375 283323 (Off), 08375 283347 (Fax), ppl.gec.haveri@gmail.com

From,

Dr. K.B.Prakash
Principal, GEC Haveri,
Chairman, BOS in Civil Engg (CV/TR/EV/CC)
Mob – 9448267374
Email – kbprakash04@gmail.com



To,

The Registrar,
Visvesvaraya Technological University,
"Jnana Sangama",
BELAGAVI – 590 018

Dear Sir,

Sub: - Proceedings of BOS meeting of Civil Engg (CV/TR, EV/CC)

With reference to the above subject I am submitting herewith the proceedings of the 1st BOS meeting of Civil Engg (CV/TR/EV/CC) held on 26-09-2019 (Friday) at 11 Am at VTU Belagavi. BOS meeting was held to discuss the following agenda.

1. Online courses to be chosen from NPTEL / SWAYAM for the award of BE / B.Tech (Hons) or ME / M.Tech (Hons).
2. Revision of syllabus for the qualifying exam of the Ph.D programme for VTU –ETR.
3. Discussion on the draft PG Scheme for 2020.
4. Any other matter with the permission of chair.



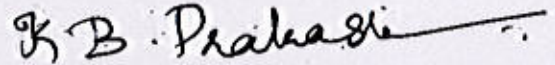
Following BOS members were present for the meeting:

1. Dr.K.B.Prakash - Chairman
2. Dr.A.V.Shivapur - Member
3. Dr.Nagesh M - Member
4. Dr.Ramakirishnegouda - Member
5. Dr.Sandeep Naik - Member
6. Dr.A.H.Biradar - Member
7. Dr.B.Shivakumar - Member
8. Dr.H.B.Balakrishna - Member
9. Dr.Sujit Kumar - Member

Proceedings sheet is attached here with. This is for your kind information and necessary action.

Thanking you,

Yours Sincerely,



Dr. K.B Prakash

Chairman, BOS in Civil Engg (CV/TR/EV/CC)

PRINCIPAL

Govt. Engineering College

Haveri-581 110.

**Proceedings of BOS meeting of Civil Engineering (CV/TR/EC/CC) held on 26-09-2019 at
VTU Belagavi**

The chairman of the board Dr.K.B.Prakash welcomed all the BOS members for the meeting. All the members present were requested to introduce themselves along with their academic achievements and credentials. After this the agendas were discussed in depth and deliberations were done to draw final conclusions.

- 1. Agenda No 1 :Online courses to chosen from NPTEL / SWAYAM for the award of BE/ B.Tech (Hons) or ME / M.Tech (Hons).**

The chairman explained the rules and regulations pertaining to BE/B.Tech (Hons) and ME/M.Tech (Hons) and extra credits to be scored by the registered candidates. It was decided to identify the list of online courses by NPTEL/SWAYAM as and when they announce the courses every three months once.

- 2. Agenda No 2 :Revision of syllabus for the qualifying exam of the Ph.D programme for VTU -ETR.**

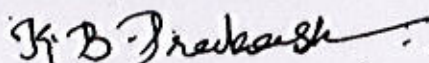
The chairman displayed the old syllabus for Ph.D programme for VTU-ETR. In length discussion was held and syllabus was modified and finalized with 10 modules. The finalized syllabus copy is enclosed herewith.

- 3. Agenda No 3 :Discussion on the draft PG Scheme for 2020.**

The draft PG scheme to be implemented from the academic year 2020 was discussed in length. It was the opinion of all the members to display the scheme on VTU website/ or send to the colleges where M.Tech programmes are running and take the feedback from the concerned staff. After getting the feedback, it becomes more effective to finalize the scheme and syllabus. Therefore it is requested to the authorities to display the scheme on VTU website at the earliest.

In between the meeting Hon.Vice Chancellor Dr.Karisiddappa visited the BOS meeting venue and addressed all the members and encouraged them to give the best to VTU students. He was of the opinion that a thorough revision of syllabus should happen which includes the latest technologies and advances which can attract the students and support for their life.

At the end BOS chairman thanked all the members for their active participation in the deliberations and requested the same cooperation in the coming meetings.



Dr. K.B.Prakash

Chairman, BOS in Civil Engg (CV/TR/EC/CC)

PRINCIPAL

Jovt. Engineering College

Heaven, 4th 1st.

VISVESARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
Topics of Syllabus for the Qualifying Exam for the Ph.D. Programme Syllabus
for VTU-ETR

Civil Engineering Science

- **Structural analysis**
 - Structural systems
 - Truss analysis
 - Deflection of beams
 - Strain energy
 - Arches and cables
- **Fluid mechanics**
 - Open channel flow
 - Pipe flow and water hammer
 - Dimensional analysis and model studies
 - Impact of jets on vanes
 - Pumps & turbines
- **Concrete technology**
 - Properties of fresh and hardened concrete
 - Special concretes
 - Non destructive testing of concrete
- **Design of concrete structures**
 - Principles of limit state design
 - Design of beams
 - Design of slabs
 - Design of columns
- **Geotechnical engineering**
 - Index properties of soil
 - Soil structure & classification of soils
 - Compaction of soil
 - Soil water system
 - Consolidation of soils
 - Effective stress and shear strength
 - Ground modifications
- **Transportation engineering**
 - Highway planning and alignment
 - Highway geometric design
 - Pavement material and construction
 - Wind analysis and site selection for airport
 - Pavement of evaluation

- **Irrigation engineering**
 - Water requirements of crops
 - Canal cross drainage work
 - Gravity dams and earthen dams
- **Design of Steel structures**
 - Steel structural fasteners
 - Tension, compression, flexural members
 - Connections
- **Environmental engineering**
 - Population forecasting
 - Water quality
 - Water treatment
 - Methods of sanitation
 - Sewage treatment and industrial waste water treatment
- **Surveying**
 - Compass surveying
 - Leveling and contouring
 - Theodolite survey
 - Curve settings
 - Areas & volumes
 - Total station survey

K. B. Prakash
Chairman BOS GEC

PRINCIPAL
Govt. Engineering College
Haveri-581 110.

RNS Institute of Technology
(AICTE Approved, VTU Affiliated and NAAC 'A' Accredited)
(UG programs – CSE, ECE, ISE, EIE and EEE have been Accredited by NBA)
Channasandra, Dr. Vishnuvardhan Road, Bengaluru – 560 098

Board of Studies in ECE/TCE: 2019 - 22

The Registrar
VTU, Belagavi – 590 018

Sir,

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

Ref: Your office letter dated Nov 19, 2019 with Ref. No: VTU/PS/2019-20/7048

The current syllabus framed after the BOS meeting on Sept. 16, 2019 (Monday) for the M.Tech Programme Curriculum 2020-21 in VLSI DESIGN & EMBEDDED SYSTEMS (EVE) has the following interdisciplinary courses:

Sl. No.	Course Code	Course	Interdisciplinary Area Addressed
1	20EVE242	Nanoelectronics	Nano-electronics
2	20EVE244	Reconfigurable Computing	Control & Optimization
3	20EVE252	SoC Design	Electronic Circuits & Systems
4	20EVE253	Micro Electro Mechanical Systems	MEMS, Design & Manufacturing
5	20EVE321	Advances in Image Processing	Computer Algorithms, Games & Graphics
6	20EVE323	Embedded Linux System Design and Development	Embedded Technology, Computer Architecture
7	20EVE324	Advanced Computer Architecture	Computer Architecture
8	20EVE332	Pattern Recognition & Machine Learning	Artificial Intelligence, Machine learning, Deep Learning, Reinforcement Learning
9	20EVE333	Internet of things	IoT, Protocols and architecture for Constrained Applications viz., smart cities, connected factory / manufacturing, transportation, etc.
10	20EVE334	Cryptography and Network Security	Cryptography and Computer Security,

The percentage (%) of interdisciplinary courses in 2020-21 in M.Tech (VLSI DESIGN & EMBEDDED SYSTEMS (EVE)) is 38.46% [$10/26 \rightarrow$ (no. of interdisciplinary courses = 10) / (total no. of courses = 26)].

Similarly, other M.Tech Programmes under ECE/TCE board have incorporated the interdisciplinary courses in the 2020-21 curriculum.

Regards,

Yours faithfully,

Dr. M K Venkatesha
Chairman, ECE BoS, VTU, Belgaum
Principal, RNS Institute of Technology
Channasandra, Rajarajeshwari Post, Bengaluru – 560 098

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Board of Studies in ECE/TCE: 2019 - 22

The Registrar
VTU, Belagavi – 590 018

Sir,

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

Ref: Your office letter dated Dec20, 2019 with Ref. No: VTU/Aca/A-9/2019-20/8074

The current syllabus framed after the BOS meeting on Sept. 16, 2019 (Monday) for the M.Tech Programme Curriculum 2020-21 in VLSI DESIGN & EMBEDDED SYSTEMS (EVE) has the following percentage of changes in the number of courses and course content.

Sl. No.	A	B	% change = (B/A) x100
1	22 [Total Number of Courses (core & electives) in 2018-19 syllabus of M.Tech EVE (VLSI Design & Embedded Systems) Programme]	04 [Number of new courses added in 2020-21 syllabus of M.Tech EVE (VLSI Design & Embedded Systems) Programme]	18.18% Change in percentage (%) of courses in the programme (M.Tech EVE (VLSI Design & Embedded Systems))
2	22 + 2 labs [22 - Total Number of Courses (core & electives) in 2018-19 syllabus of M.Tech EVE (VLSI Design & Embedded Systems) Programme]	15 [Number of courses with modified / changed contents in 2020-21 syllabus of M.Tech EVE (VLSI Design & Embedded Systems) Programme]	62.5% (15/24 * 100) Change in percentage (%) of content of the course in a course.

Also, the following are attached herewith:

1. All feedbacks from stakeholders (as briefed in the BoS meeting by the members)
2. BoS proceeding (with minuted discussions) with necessity of revision

Regards,

Yours faithfully,

Dr. M K Venkatesha
Chairman, ECE BoS, VTU, Belgaum
Principal, RNS Institute of Technology
Channasandra, Rajarajeshwari Post, Bengaluru – 560 098

**Proceedings of the Joint Board of Studies Meeting
held on 19th August 2019 at VTU Belagavi, at 11.00 AM**

Members Present:

1	Dr. Karisiddappa, Honorable Vice-Chancellor
2	Dr. A. S. Deshpande, Registrar
3	Dr. Satish Annigeri, Registrar, (Evaluation)
4	Dr. N. V. R Naidu, Dean Faculty of Engineering, VTU, Belagavi and Principal, M.S.R.I.T., Bengaluru.
5	Dr. Shreedhara K. S, Chairman, BOS for CSE, Belagavi, Professor, Department of CSE and ISE, UBDT College of Engineering, Davangere.
6	Dr. M. K. Venkatesha, Chairman, BOS for ECE and TCE, Principal, RNS Institute of Technology, Channasandra, Rajarajeshwari Post, Bengaluru - 560 098.
7	Dr. Mallikarjun Holi, Chairman, BOS for Electronics and Instrumentation, Professor and Head, Dept. of Electronics and Instrumentation Engineering., UBDT College of Engineering, Davangere - 577004.
8	Dr. B. E. Rangaswamy, Chairman, BOS for Bio-Technology, Professor and Head, Dept. of Biotechnology, Bapuji Institute of Engineering and Tech., Shamnoor Road, Davangere - 577004.
9	Dr. H. R. Sudarshan Reddy, Chairman, BOS in Electrical and Electronics Engineering, Professor, Dept. of Electrical and Electronics Engineering, UBDT College of Engineering, Davangere -- 577 004.
10	Dr. K. B. Prakash, Chairman, BOS in Civil and Transportation Engineering, Principal, Government Engineering College, Vidyanagar, 'B' Block, 1 st Main Road, Haveri - 581110.
11	Dr. Umesh B. Deshannavar, Chairman, BOS in Chemical Engineering, Professor and Head, Dept. of Chemical Engineering, KIE Dr. M. S. Sheshagiri College of Engineering and Tech., Udyambag, Belagavi - 590 008
12	Dr. Vadiraj V. Katti, Chairman, BOS in Mechanical Engineering, Principal, Vishwanathrao Deshpande Rural Institute of Tech., Udyog vidya Nagar, Halialy 581 329.
13	Dr. N. Nagesha, Chairman, BOS in Industrial and Production Engineering, Professor Chairman, Dept. of Industrial and Production Engineering, UBDT College of Engineering, Davangere - 577 004.
14	Dr. Sapna Papu, Chairperson, BOS in Architecture, Professor, BMS School of Architecture, Off BMSIT Campus, Doddaballapur Main Road, Avalahalli, Yelahanka, Bengaluru - 560 064.
15	Dr. Ramakrishna N. Hegde, Chairman, BOS in Automobile Engineering, Professor and Head, Dept. of Automobile Engineering, Srinivas Institute of Tech., Srinivas Campus, Valachil, Farangipete, Mangaluru.
16	Dr. K. Fakrudhin, Chairman, BOS in Basic Sciences, Professor and Head, Dept. of Physics, Ghousia College of Engineering, Bengaluru Mysuru Road, Ramanagaram - 562 159
17	Dr. T. Manjunatha, Chairman, BOS in Business Administration, Professor and Chairman, Dept. of Management Studies, UBDT College of Engineering, Davangere - 577 004.
18	Dr. S. K. Maharana, Chairman, BOS in Aeronautical Engineering, Professor and Dean, Dept. of Aeronautical Engineering, Acharya Inst. of Technology, Dr. Sarvapalli Radhakrishna Marg, Solladevanhalli, Bengaluru - 560 107.
19	Dr. Arunkumar B. R., Chairman, BOS in MCA, Professor, Dept. of Computer Applications, BMS Institute of Technology, P.B.No.6443,Doddaballapur Main Road, Yelahanka, Bengaluru - 560 064.
20	Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology, Professor, Dept of Nano Technology, VTU Centre for PG Studies, Bengaluru Region, Muddenahalli - 562 101, Chikkaballapura Dist.
21	Dr. H. S. Dayananda, Chairman, BOS in Humanities of VTU, Belagavi and Professor and Head, Dept., of Civil, Vidyardhaka College of Engineering, Mysuru.
22	Dr. K. R. Mulla, Chairman, BOS in Library and Information Science, Librarian, Visvesvaraya Technological University, Belagavi-590018.
23	Prof. V. Keshava Murthy, Academic Advisor, VTU, Belagavi.

Members on Leave: NIL**Minutes of the Meeting:**

Registrar, welcomed the Honorable Vice-Chancellor, Chairman, Joint Board of Studies and members of JBOS and others, and requested the Honorable Vice-Chancellor for the further proceedings. Honorable Vice-Chancellor welcomed the members for the first meeting of newly formed JBoS and requested for their active participation, discussions and fruitful conclusions. The proceedings of meeting are as follows:

Agenda -1	: Consideration of eligibility criteria for M. Architecture (Architectural and Construction Project Management) as per the Council of Architecture.
Resolution	: (i) University to address a letter to COA with a request to consider M. Arch graduates in Architectural and Construction Project Management with BE civil Engineering background, (a) For the purpose of Recruitment/Employment as Faculty members in Architectural Institutions. [This is with reference to text under D, Council of Architecture, Minimum Standards of Architectural Education Regulations, 2017, pdf page 31] (b) For registration with COA to practice as the present era demands professionals specialized interdisciplinary areas/fields. [This is with reference to COA letter addressed to The Registrar, Shivaji University, Kollapur -416004, Maharashtra. Vide: Letter CA/S/Academic- MH09, dated December 06, 2008.]
Agenda -2	: Representation of AMIETE student for PG admissions.
Resolution	: The request of the student who has passed Section A and B of AMIETE is not considered in view of (i) the resolution of 113 th EC meeting held on 10 - 06 - 2014. [Vide: Resolution No. 2.2.3] and (ii) the recommendations of JBOS meeting held on 04 - 06 - 2014. [Vide: Recommendation for Agenda 6.] In view of the foregoing, the request of the student for recognition of Section A and B of AMIETE (4 years Engineering Graduateship) for PG CET and hence for PG programmes under VTU is not approved.
Agenda -3	: B. E. with Honours in specialization: Consideration of committee recommendations.
Resolution	: (i) To defer the recommendation of the committee for the consideration of award of M.Tech (Honours) till AICTE comes with a notification to award the same. (ii) BOS to submit the suggestions to Registrar within a week regarding the recommendations of the committee. (iii) Forward the suggestions of BOS to the committee for finalization of the recommendations. (iv) Each BOS to prepare a list of Massive Online Open Courses (MOOCs) selected from only NPTEL/SWAYAM platforms for additional credits to

		be earned by a student for the award of BE/B.Tech (Honours) degree. (v) Credit equivalence of each course shall be decided as per the recommendation of the committee [Vide: 6. Additional Coursework (f)] and considering the evaluation mechanism adopted by NPTEL /SWAYAM.
Agenda -4	:	Approval for 3rd to 8th semester syllabus of Manufacturing Science and Engineering (MSE) of UG Scheme.
Resolution	:	(i) The proposed syllabus is recommended for approval. (ii) To submit the scheme of Teaching and Examinations by including (a) The tips/instructions/ guidelines that are given in respect of Diploma Mathematics I and II, Activity Points, Mini - project, Internship and project work phase 1 and 2. (b) Instruction about Open electives. (c) To review and include course outcomes.
Agenda -5	:	Inclusion of UG Electronics and Instrumentation Engineering and Instrumentation Technology programme students for the admission to PG M.Tech in Micro Electronics and Control System (MECS).
Resolution	:	To consider undergraduate Electronics and Instrumentation Engineering / Instrumentation Technology as eligible programmes for admission to M.Tech in Micro Electronics and Control System (MECS).
Agenda -6	:	Revision of PG (M.Tech/M.Arch/MBA/MCA), Syllabus 2018 scheme.
Resolution	:	<i>BOS</i> <i>11/08/2019</i> (i) To initiate the revision of the syllabus for Postgraduate programmes M.Tech, M.Arch, MBA and MCA starting from academic year 2020 - 21. (ii) The syllabus of 04 and 03 credit courses to be designed for 50 and 40 hours respectively for teaching and learning process. (iii) To include Mini project at III semester for all M.Tech programmes. (iv) Each theory course of the syllabus to have 05 course outcomes. (v) The course outcomes for the courses such as laboratory, project (mini and main), internship, seminar, etc., shall be as per the decision of the respective BOS. (vi) A template in respect of Scheme of Teaching and Examinations and for syllabus to be furnished to all M.Tech BOS by the University. (vii) The draft Scheme of Teaching and Examinations and syllabus of M.Tech, M.Arch, MBA and MCA to be submitted to University required on or before 29 - 12 - 2019. (viii) No student is permitted to take up the full time employment with any organization during entire course duration.
Table Agenda -1	:	Conducting parallel classes for PG programmes.
Resolution	:	Accepted and recommended the contents of the circular sent by Registrar, VTU to the Principals of all affiliated colleges under VTU, Belagavi. [Vide: VTU/BGM/ACa - OS/Gen - cirs/2019-20/3229 dated 9 August 2019]
Table Agenda -2	:	To discuss about the frame work for designing of ETR syllabus for PhD programme.
Resolution	:	(i) Syllabus of Part - I (Mathematics) and Part - III (Aptitude) for VTU - ETR shall be common to all programmes. (ii) VTU-ETR to be conducted for each programme based on the Part - II

	<p>syllabus prepared exclusively for that programme.</p> <p>(iii) BOS to prepare the syllabus of Part – II for all the programmes attached to it.</p> <p>(iv) Respective undergraduate programme syllabus to be considered as basis for the preparation of syllabus for Part – II of VTU - ETR</p> <p>(v) The syllabus to be under 10 (Ten) units.</p> <p>(vi) Part – II of the VTU-ETR question paper to contain 60 (sixty) questions.</p> <p>(vii) Marks prescribed for Part – II is 60 marks. Each question shall be for one mark.</p> <p>(viii) Six questions to be set from each unit for VTU - ETR.</p> <p>(ix) Two sets of question papers to be set for all the Parts I, II and III by two set of paper setters. Each set of paper setters to comprise 5 individual subject experts. Each individual subject expert to set 12 questions along with solution/answer from two units allotted to him/her based on their specialization. Each question to be written on a separate sheet. Similarly, answer to each question shall also be on a separate sheet.</p> <p>(x) The sixty questions under Part –II shall not in a consecutive order in the printed question paper but to be a random mix amid sixty questions.</p> <p>(xi) Each set of 05 paper setters to assemble at the designated venue on the date scheduled by the University to set questions and provide solution/answer on the same day.</p> <p>(xii) The draft syllabus, approved by BOS, be submitted to the University on or before 11 – 09 - 2019.</p>
Table Agenda -3	: Approval for the list of PhD coursework - 2019 onwards.
Resolution	: The revised list of coursework groups for PhD programmes is approved.
Table Agenda -4	: To discuss equivalence of Aeronautical and Aerospace Engineering.
Resolution	: <p>(i)The chairperson, BoS in Aeronautical Engineering to establish the equivalence between Aeronautical Engineering and Aerospace Engineering on the basis of common courses prescribed for the said programmes.</p> <p>(ii) The decision arrived under (i) to be placed before the next JBOS for consideration.</p>
Table Agenda -5	: To discuss about guidelines, regulations and scheme and syllabus of proposed certification course in Business Management for Cobra school of jungle warfare and tactics, Belgaum.
Resolution	: The proposal is accepted in principle. However, the revised proposal with suggestions offered by the members to be presented in the next JBOS for consideration.
Table Agenda -6	: Academic activities of newly introduced BE programme Artificial Intelligence and Machine Learning.
Resolution	: Newly introduced BE programme Artificial Intelligence and Machine Learning be attached to BOS in CSI and ISF.

The meeting concluded with thanks by the chair.

28.8.2019
Registrar

28.8.19
Vice-Chancellor

Agenda

1. To get approval for the 1st year B.E/B.Arch 2018 Scheme and Syllabus.
2. To get approval for the B.E/B.Arch 2018 Regulations
3. Finalization of M.Tech., MBA, MCA and M.Arch. 2018 Scheme and Syllabus.
4. Finalization of M.Tech., MBA, MCA and M.Arch. 2018 Regulations
5. Finalize introduction of Cyber Law Course at UG level as per recommendation of KSHEC Bengaluru
6. To discuss on the course offered by National Power Training Institute Faridabad equivalent to 3 credits of B.E. programme.
7. Finalize the Scheme and Syllabus submitted by EC/CS/E and IE Composite board prepared for PG Programme M.Tech. in Artificial Intelligence and Machine Learning @VIAT Muddenahalli
8. Equivalence of Subjects for the students switching from Non-CBCS to CBCS and vice-versa
9. i) To discuss and finalize the grouping of course work subject for Ph.D. programme from 2018
ii) To discuss and revise the VTU ETR Syllabus for Ph.D./M.Sc. (Engg.) by Research 2018
10. Any other matter with the permission of the chair.

Table Agenda:

1. Equivalence Certificate for B.E. Electronics and Communication Engineering is equivalent to Electronics Engineering
2. Additional requirement for earning 4/5 year Degree Programme Activity points
3. Proposal for starting M.Tech. Food Technology course. Submitted by Jyothy Institute of Technology, Bangalore
4. Request to change the Nomenclature from Telecommunication Engineering to "Electronics and Telecommunication Engineering".
5. Exemption of Constitution of India Professional Ethics and Human Rights of 2015-16 scheme. Who have admitted in 2017-18 scheme.
6. Recomposite of Mathematics, Aptitude and subject proposed Mathematics 20, Aptitude 10 and subject 70 for Ph.D. Entrance Exam
7. Consideration of request not to have Mathematics part for Architecture ETR Ph.D. entrance Test
8. Eligibility of Diploma courses for B.E. Aeronautical Engg/Aerospace Engg and Bio-Medical Engineering Letter received from D.T.E., Bangalore
9. B.E. Multidisciplinary projects for final year students
10. B.E. Hon's

Agenda with the permission of the Chair

1. Consideration of Diploma completed graduates students not less than with Five year of experience(as per norms of Karnataka Factories Rules,1969) for admission of post graduate diploma in Industrial Safety Management @ International Institute of Industrial Safety Management Bangalore, VTU Extension Centre

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, Chairpersons of BOS and also Special invitees, and requested the Honorable Vice-Chancellor for the further proceedings. Honorable Vice-Chancellor welcomed chairpersons of BoS and Special Invitees and requested for their active participation, discussions and fruitful conclusions. The proceedings of meeting are as follows:

Agenda -1	:	To get approval for the 1 st year B.E/B. Arch 2018 Scheme and Syllabus
Resolution	:	Approved the Scheme of Teaching and Examinations, and Syllabus for 1 st year BE/B.Tech/B. Arch 2018 -19 batch
Agenda -2	:	To get approval for the B.E/B.Arch 2018 Regulations
Resolution	:	Approved the Regulations 2018 -19 governing BE/B.Tech and B.Arch programmes
Agenda -3	:	Finalization of M.Tech. MBA, MCA and M.Arch. 2018 - 19 Scheme and Syllabus.
Resolution	:	Approved the PG programmes Scheme of Teaching and Examination and Syllabus.
Agenda -4	:	Finalization of M.Tech., MBA, MCA and M.Arch. 2018 Regulations
Resolution	:	Approved the PG Regulations 2018 -19.
Agenda -5	:	Finalize introduction of Cyber Law Course at UG level as per the recommendation of KSHEC Bengaluru
Resolution	:	To include Cyber Law under the fifth module of the course titled Constitution of India, Professional Ethics and Cyber Law.
Agenda -6	:	To discuss on the course offered by National Power Training Institute Faridabad equivalent to 3 credits of B.E. programme.
Resolution	:	(a) Resolved to consider the online certification course offered by National Power Training Institute, Faridabad to be equivalent to 3 credits of BE/B.Tech programme. (b) The credits earned by students through NPTI online programme shall be considered for the award of Under Graduate degree with Honours. [To be read with the resolution of Table Agenda-12]
Agenda -7	:	Finalize the Scheme and Syllabus submitted by EC/CS/E and IE Composite board prepared for PG Programme M.Tech. in Artificial Intelligence and Machine Learning @VIAT Muddenahalli
Resolution	:	(a) Approved the scheme of teaching and examination, and syllabus of M.Tech in Artificial Intelligence and Machine Learning.

		(b) As, the programme titled M.Tech. in Artificial Intelligence and Machine Learning is not in the list of AICTE Post Graduate Degree in Engineering and Technology, the Registrar shall seek approval for the same from AICTE.
Agenda -8	:	Equivalence of Subjects for the students switching from Non-CBCS to CBCS and vice-versa.
Resolution	:	(a) Board of Studies to prepare programme wise list of equivalent UG courses (UG). (b) Board of Studies to propose equivalent courses for PG programmes case by case when sought by the Registrar, VTU.
Agenda -9	:	i) To discuss and finalize the grouping of course work subject for Ph.D. programme from 2018. ii) To discuss and revise the VTU ETR Syllabus for Ph.D./M.Sc (Engg.) by Research 2018
Resolution	:	i) (a) Each candidate provisionally registered for the Ph.D programme shall have to go through the prescribed coursework choosing four courses out of which the course Research Methodology and IPR shall be compulsory. The remaining three courses shall be pertaining to the candidates research work as decided by the Doctoral Committee. (b) Courses for the coursework shall be selected from the list of courses under six different groups 1 to 6. (c) The groups shall have courses in the relevant areas as approved by the Board of Studies concerned and approved by Academic Council. (d) Each candidate provisionally registered for the M.Sc (Engineering by research) shall have to go through the prescribed coursework choosing six courses out of which the course Research Methodology and IPR shall be compulsory. The remaining five courses shall be pertaining to the candidates research work as decided by the Doctoral Committee. Courses for the coursework shall be selected from the list of courses under six different groups 1 to 6. (ii) The topics for Ph.D. VTU ETR for Ph.D/M.Sc (Engineering) by Research Examinations 2018 shall be covered by Mathematics, Aptitude and Subject of specialization. The syllabus for mathematics and Subjects of specialization shall be furnished by the corresponding Board of Studies. The syllabus for Aptitude shall be framed by Prof. V Keshava Murthy, VTU and Dr.R. Prabhakar, VTU. (iii) The clause Ph.D 14.1 (d) shall be suitably amended to address the decision of JBOS in this regard.

Table Agenda

With the permission of the chair, the following issues were taken up for discussion


Table Agenda-1	:	Equivalence Certificate for B.E. Electronics and Communication Engineering is equivalent to Electronics Engineering
Resolution	:	B.E. Electronics and Communication Engineering of VTU shall be considered as equivalent to B.E. in Electronics Engineering.

Table Agenda-2	:	Additional requirement for earning 4/5 year Degree Programme Activity points
Resolution	:	Implement AICTE Activity points programme to the 2018-19 scheme students for the award of BE/B.Tech Degree. The Activity of each student to earn the Activity points shall duly be monitored by NSS/NCC/Sports/ Sansad Adarsh Gram Yojana (SAGY) Coordinator or Training and Placement Officer (TPO) of the Institute assisted by the mentors of the students. The Principal shall send the Activity points of each student along with the CIE marks of eighth semester. For the award of degree, every student shall earn the AICTE prescribed Activity points.
Table Agenda-3	:	Proposal for starting M.Tech. Food Technology course. Submitted by Jyothy Institute of Technology, Bangalore
Resolution	:	(a) To inform Jyothy Institute of Technology, Bengaluru to resubmit the proposal for starting M.Tech. Food Technology programme as per the VTU Postgraduate Scheme of Teaching and Examination 2018 -19. (b) Board of Studies in Bio-Technology Board to scrutinize the proposal and submit its recommendation on the application for starting M.Tech. Food Technology programme.
Table Agenda-4	:	Request to change the Nomenclature from Telecommunication Engineering to "Electronics and Telecommunication Engineering".
Resolution	:	(a) Approved to change the existing nomenclature of the programme Telecommunication Engineering to "Electronics and Telecommunication Engineering". (b) Change in nomenclature shall come into effect from the academic year 2019 -20. (c) The degree certificate to show the degree as "Electronics and Telecommunication Engineering" (previously Telecommunication Engineering).
Table Agenda-5	:	Exemption of Constitution of India Professional Ethics and Human Rights of 2015-16 scheme. Who have admitted in 2017-18 scheme.
Resolution	:	Exempt the students who have studied and passed Constitution of India Professional Ethics and Human Rights under 2015-16 scheme and got readmitted to 3 rd /4 th semester under 2017 scheme. It is also resolved to consider One (1) credit for the same in Grade Card.
Table Agenda-6	:	Recomposite of Mathematics, Aptitude and subject proposed Mathematics 20, Aptitude 10 and subject 70 for Ph.D. Entrance Exam
Resolution	:	The maximum marks for Ph.D. VTU ETR for Ph.D./M.Sc. (Engineering) by Research Examinations 2018 shall be 100 marks. The distribution of marks shall be as indicated below. <ul style="list-style-type: none"> • Questions on Mathematics: 20 Marks • Questions on Aptitude: 20 Marks • Questions on the Subject of specialization: 60 Marks.
Table Agenda-7	:	Consideration of request not to have Mathematics part for Architecture ETR Ph.D. entrance Test
Resolution	:	(a)The syllabus content of mathematics for Architecture ETR Ph.D. entrance Test shall be Basic Trigonometry and Probability and Statistics.

	(b) The syllabus content of mathematics for Textile ETR Ph.D entrance Test shall be the topics studied by the students during UG and PG programmes.
* Table Agenda-8	: Eligibility of Diploma courses for B.E. Aeronautical Engineering /Aerospace Engineering and Bio-Medical Engineering Letter received from D.T.E., Bangalore
Resolution	: To follow the eligibility prescribed by AICTE. [Refer: page 217, Major disciplines, their corresponding courses and relevant/ appropriate branch of diploma in engineering and technology]
Table Agenda-9	: B.E. Multidisciplinary projects for final year students
Resolution	: Allow Multidisciplinary projects in B.E. Program for a group of 4 to 6 students and evaluation to carry out at the respective departments.
Table Agenda-10	: Proposal grouping of the subjects for Ph.D. Civil Engineering course work subject
Resolution	: To bring the amendment to existing Regulations governing Ph.D. program [clause Ph.D 14.1 (d)] to select One (1) subject per group instead of 2 subjects per group.
Table Agenda-11	: Previous list of different Ph.D. course work subject that can be offered under Mechanical Engineering faculty
Resolution	: It is resolved to modify the list as per the resolution for Agenda -9
Table Agenda-12	: BE/B.Tech Hon's
Resolution	: (a) To award Under Graduate degree (BE/B.Tech) with Honours. [Refer to page 3, AICTE Model Curriculum for Undergraduate Degree Courses in Engineering and Technology, January 2018, Volume 1] (b) A student shall be eligible to get Under Graduate degree with Honours, if he/she completes an additional 20 credits. These could be acquired through MOOCs and NPTEL online programme.
Agenda with the permission of the Chair	: Consideration of diploma completed graduates students not less than Five year of experience(as per norms of Karnataka Factories Rules,1969) for admission to PG diploma in Industrial Safety Management - PGDISM offered at IISM College (VTU has a MoU as an extension center with college for the award of PG diploma)
Resolution	: To extend eligibility for graduate students like M.Sc and B.Sc (with one year experience) and Diploma (with five year of experience) to pursue the course.

The Meeting concluded with thanks by the chair.


Registrar


Vice-Chancellor

PROCEEDINGS OF JOINT BOARD OF STUDIES MEETING HELD ON 18TH MAY, 2020 ON WEBEX FLAT FORM

Members Present:

1	Dr. Karisiddappa - Honorable Vice-Chancellor
2	Dr. A. S. Deshpande - Registrar
3	Dr. Satish Annigeri - Registrar (Evaluation)
4	Dr. N. V. R Naidu , Dean Faculty of Engineering, VTU, Belagavi & Principal, M.S.R.T., Bengaluru.
5	Dr. M. K. Venkatesha , Chairman. BOS in ECE / TCE and Principal, RNS Institute of Technology, Channasandra, Rajarajeshwari Post, Bengaluru - 560 098
6	Dr. Mallikarjuna Holi Chairman Dept. of E & IT, UBDT Engineering College, Davangere
7	Dr. B. E. Rangaswamy , Chairman BOS in Bio-Technology. of VTU, Belagavi Professor & Head, Dept. of Biotechnology, Bapuji Institute of Engg. & Tech., Shamnoor Road, Davangere - 577004.
8	Dr. H. R. Sudarshan Reddy , Chairman BOS in Electrical & Electronics Engineering. of VTU, Belagavi, Professor, Dept. of Electrical & Electronics Engg., UBDT Engineering College, Davangere - 577 004..
9	Dr. K. B. Prakash , Chairman BOS in Civil / Transportation Engineering. of VTU, Belagavi, Principal, Government Engineering College, Vidyanagar, 'B' Block, 1 st Main Road, Haveri - 581110.
10	Dr. Vadiraj V. Katti , Chairman BOS in Mechanical Engineering. of VTU, Belagavi Principal, Vishwanathrao Deshpande Rural Institute of Tech., Udyog vidya Nagar, Haliyal 581 329.
11	Dr. N. Nagesh , Chairman BOS in Industrial & Production Engineering . of VTU, Belagavi Chairman & Professor, Dept. of Industrial & Production Engineering, UBDT Engineering College, Davangere - 577 004.
12	Dr. Sapna Papu , Chairperson, BOS in Architecture. of VTU, Belagavi Professor, BMS School of Architecture, Off BMSIT Campus, Doddaballapur Main Road, Avalahalli, Yelahanka, Bengaluru - 560 064.
13	Dr. Ramakrishna N. Hegde , Chairman BOS in Automobile Engineering. of VTU, Belagavi Professor & Head, Dept. of Automobile Engineering, Srinivas Institute of Tech., Srinivas Campus, Valachil, Farangipete, Mangaluru.
14	Dr. T. Manjunatha , Chairman BOS in Business Administration. of VTU, Belagavi Chairman & Professor, Dept. of Management Studies, UBDT Engineering College, Davangere - 577 004.
15	Dr. S. K. Maharana , Chairman BOS in Aeronautical Engineering. of VTU, Belagavi Professor & Dean, Dept. of Aeronautical Engineering, Acharya Inst. of Technology, Dr. Sarvapalli Radhakrishna Marg, Solladevanhalli, Bengaluru - 560 107.
16	Dr. Arunkumar B. R. , Chairman BOS in MCA. of VTU, Belagavi Professor, Dept. of Computer Applications, BMS Institute of Technology, P.B.No.6443, Doddaballapur Main Road, Avalahalli Yelahanka, Bengaluru - 560 064.

Members on leave :

1	Dr. Shreedhara K. S. Chairman BOS in Computer Science & Engineering. of VTU, Belagavi, Professor, Dept of CS/IS Engg., UBDT College of Engineering, Davangere
2	Dr. Umesh B. Deshannavar, Chairman BOS in Chemical Engineering. of VTU, Belagavi Professor & Head, Dept. of Chemical Engineering, KLE Dr. M. S. Sheshagiri College of Engg. & Tech., Udyambag, Belagavi - 590 008
3	Dr.H.S.Dayananda, Chairman, BOS in Humanities of VTU, Belagavi & Professor &

	Head, Dept., of Civil, Vidyvardhaka College of Engineering, Mysuru.
4	Dr. Dinesh Rangappa, BOS in Nano Technology. of VTU, Belagavi Professor, Dept of Nano Technology, VTU Centre for PG Studies, Bengaluru Region, Muddenahalli - 562 101, Chikkaballapura Dist.
5	Dr. K. Fakrudhin, Chairman BOS in Basic Sciences. of VTU, Belagavi Professor & Head, Dept. of Physics, Ghousia College of Engineering, Bengaluru Mysuru Road, Ramanagaram- 562 159
6	Dr. K R Mulla Chairman, BOS in Library and Information Science of VTU, Belagavi Librarian, Visvesvaraya Technological University, Belagavi-590018.

Minutes:

Registrar, Dr. A S Deshpande welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, Chairpersons of BOS and also special invitees and he requested the Honorable Vice-Chancellor for the further proceedings. Honorable Vice-Chancellor and Chairman of JBoS, Dr. Karisiddappa welcomed chairpersons of BoS and Special Invitees and requested for their active participation, discussions and fruitful conclusions. The proceedings of meeting are listed as follows :

Agenda 01	Considering B.E. (Marine Engineering) students for admission to M.Tech. Tool Engineering program as recommended by BoS in Mechanical Engineering.
Resolution	The opinion of Chairman Board of Studies in Mechanical Engineering to consider B.E/ B.Tech. in Marine engineering programme for eligibility to M.Tech. in Tool Engineering programme is recommended for approval.
Agenda 02	Changing the nomenclature from B.E. in Medical Electronics to B.E. in Medical Electronics Engineering as per AICTE Approval Process hand book 2020-21
Resolution	The recommendations of Chairman Board of Studies in Electronics and Instrumentation Engineering to change the nomenclature of B.E. in 'Medical Electronics' to B.E. in 'Medical Electronics Engineering' is recommended for approval. It is also recommended that the change in title will be uniformly effective to all the colleges where B.E. in 'Medical Electronics' programmes is offered with effect from the academic year 2020-21. The respective colleges have to obtain AICTE approval letter for the programme in the changed title only.


Agenda 03	Adding B.E. in Mining Engineering Course with scope of Board of Studies in Civil Engineering.
	<p>After detailed deliberations it is recommended to:</p> <ol style="list-style-type: none"> 1. It is recommended to shift all the programmes under Mining Engineering Board of studies in Mechanical Engineering to Board of Studies in Civil Engineering. 2. Formation of a separate board of studies for Mining Engineering will be explored. 3. The Research Scholars working in Mining related topics and working with Research Supervisors from Civil and Mechanical Engineering will be considered for Registration for Ph.D/ M.Sc. (Engg.) by Research under Civil or Mechanical Engineering respectively. 4. It was opined that the exemption of ETR for research scholars need to be done as per VTU Regulations governing the degree of Ph.D.
Agenda 04	Approval of VTU Regulations governing the award of 'Honours' at B.E./B.Tech. Degree Programmes and approval of the list of MOOCs for earning additional credits during the academic year 2020 - 21 and also discuss about recommendations in AICTE Approval Process Handbook 2020-21
Resolution	<p>Considered the Proceedings of Committee to frame the VTU Regulations Governing the Degree of B.E./B.Tech. (Hons). After perusal of the details, the proceedings of the meeting dated 12-5-2020 were accepted.</p> <p>The Regulations governing the Degree of B.E./B.Tech. (Hons) were recommended or approval with the following modifications .</p> <p>18UG HONRS 6.0 Additional Coursework:</p> <p>e) The students shall earn the credits by only appearing in person to the proctored examination conducted by SWAYAM - NPTEL.</p> <p>No autonomous or non-autonomous colleges under the University can conduct examination and award credits in lieu of SWAYAM - NPTEL to accrue 18 or more credits for the award of Honours degree.</p> <p>It was also agreed that the courses from Coursefra could be considered. All the BOS chairpersons should identify such courses.</p>

Agenda 05	Closure 3 year MCA programme progressively and introduction of 02 year MCA program from 2020-21 as per AICTE Approval Process Handbook 2020-21
Resolution	As per AICTE Approval Process Handbook for 2020, the three (03) years MCA programme will be progressively closed and two (02) year MCA programme will be instituted in VTU, Belagavi with effect from the academic year 2020-21. The proposal is recommended for approval and the scheme/syllabus be prepared accordingly.
Agenda 06	To consider the Graduate Engineers from various branches for admission to MCA(2 years) programme.
Resolution	<p>It is decided to adhere to the eligibility conditions prescribed by AICTE in its Approval Process Handbook -2020-21 which is as under :</p> <p style="text-align: center;"><i>“Passed BCA/Bachelor Degree in Computer Science Engineering or equivalent</i></p> <p style="text-align: center;"><i>OR</i></p> <p style="text-align: center;"><i>Passed B.Sc./B.Com/B.A. with mathematics at 10+2 level at Graduation level (with additional bridge courses, as per the norms of the concerned University).</i></p> <p style="text-align: center;"><i>Obtained at least 50% marks (45% marks incase of candidates belonging to reserved category) in the qualifying examination.”</i></p> <p>The BOS- MCA is requested to study the scheme and syllabus of new programme in the perspective of the above referred eligibility and recommend additional bridge courses.</p>
Agenda 07	To consider the recommendations of BoS Architecture vide their meeting resolutions dated 12.04.2020 and 14.04.2020.
Resolution	<p>JBOS noted that as per Council of Architecture letter dated 23-4-2020, for the incoming 9th and 10th semester B.Arch. programme following and change has been recommended:</p> <p style="text-align: center;"><i>“Incoming practical Training: The incoming Practical Training may be shifted to the last semester or swapped with other semesters.</i></p> <p style="text-align: center;"><i>However, institutions should adopt this if all affiliated colleges in the University follow the same shifting or swapping. Universities and their board of studies are requested to facilitate this in the spirit of the extra ordinary times our world is facing.”</i></p> <p><i>The BOS in Architecture in its Agenda II (i) has recommended the same.</i></p> <p>JBOS recommended for approval of the proposed swapping of “Practical Training” and “Thesis Project” between 9th and 10th semester as per COA and BOS recommendation as a one time measure due COVID-19 pandemic.</p>
Agenda 08	To discuss about the common curriculum in all the State Universities on the line of recommendations proposed in draft National Education Policy 2019

	(Letter received from Karnataka State Higher Education Council Bengaluru is enclosed)
Resolution	Hon'ble Vice-Chancellor brought to the notice of all Chairpersons that Karnataka State Government has formulated various Committees to frame the Model / Common Curriculum across all the Universities in the State. Hon'ble Vice-Chancellor, VTU is in-charge for framing the Model / Common Curriculum all UG /PG programme of Engineering and Technology. Hon'ble Vice-Chancellor, VTU requested the Chairpersons to go through the Government letter and prepare the outline frame of model curriculum. While preparing the same, the experiences of teachers and students before, during and after COVID-19 has to be utilized. The complete picture of education system has to be looked through experience of COVID-19. The experience should reflect in the work. As VTU is also revising the curriculum from 2022-23 session onwards, more emphasis should given to project/seminar/ virtual labs/Blended learning etc. A separate session on these areas will be held by VTU. However, Hon'ble Vice-Chancellor, VTU requested the Chairpersons to provide 1 or 2 page report on same the within 15 days to VTU, so that the consolidated interim report can be prepared and submitted to the Government.
Agenda 09	Any other matter with the permission of the chair. (Table Agenda)
09 (a)	a) Conduction of Induction programme
Resolution	It was brought the notice of the members that the many colleges has not followed the norms in conduction of two-phase induction programme during the year 2019-20. Many colleges have not conducted properly the Phase - II of the induction programme. The main idea of conduction of Induction programme is to give the student a holistic outlook of life and human values. Also, the objective is to build innovative mind. Hence, in order to improve effectiveness and achieve the objectives of the Student Induction programme, it is recommended that this programme shall be conducted for 21 days continuously in the beginning of first semester for all newly admitted students of UG.
09 (b)	b) To consider the new proposals of UG and PG programmes for Instituting in VTU from academic year 2020-21
Resolution	University has received few proposals from it's colleges for institution of new

UG and PG programmes. After a brief discussion, it is resolved to recommend for institution of these programme if these programme^s appear in the list published by AICTE in APH 2020-21. The Chairpersons of BOS were requested to prepare the scheme and detailed syllabus for PG programme on priority as the same is needed for ensuing odd semester for the academic year 2020-21.


REGISTRAR


VICE-CHANCELLOR
26.5.2021

Proceedings of AICTE Model Curriculum TEQIP1.3 Workshop for 3-8th semester B.E.-CBCS Syllabus of BOS in Basic Sciences as per Outcome Based Education (OBE) and Revised Bloom's Taxonomy (RBT) format held on 2nd & 3rd May-2019 at Jnanasangama, VTU, Belagavi.

- Ref :-
1. Registrar's letter No.VTU/Aca/SO/2018-19/256 dated 09-04-2019.
 2. Registrar's letter No.VTU/Aca/A9/2019-20/440 dated 22-04-2019.
 3. Meeting of members of BOS in Basic Sciences held on 15-10-2018 at VTU-RO, Bengaluru.
 4. Meeting of members of JBOS in Basic Sciences held on 17-09-2018 at VTU-RO, Kalaburgi.
 5. Workshop on "AICTE Model Curriculum" held on 12-03-2018 at BMS College of Engineering, Bengaluru.

It is imperative that the curriculum must be constantly refined and updated to ensure that the goal of an engineering student, who always requires a range of skills and knowledge to adopt in his/her career. Accordingly, VTU has taken several initiatives including conducting the preliminary workshop on 'AICTE Model Curriculum' for all Chairmen and Members of BOS & BOE, Principals and faculty members of all engineering colleges affiliated to VTU, vide Ref.5 above. Soon after this, a joint BOS meeting was held under the Chairmanship of Hon'ble Vice-Chancellor of VTU(Ref.4), where it was resolved implement the "AICTE Model Curriculum" for 3-8th semester B.E. from the academic year 2019-20, as the revised syllabus for the first year B.E program was already implemented w.e.f. the academic year 2018-19 itself.

As a result of this, a meeting of all members of BOS in Basic Sciences and Humanities, Subject Experts in various domains, was convened by the Chairman-BOS in Basic Sciences, vide Ref.3 above. In this meeting, Subject Experts, Chairmen of BOS of engineering streams have offered useful suggestions for drafting the syllabus for Mathematics courses for second year B.E. and open elective courses in Physics, Chemistry and Mathematics at higher semester levels.

The drafted syllabus was placed before the faculty members of Basic Science departments of various engineering colleges teaching higher semester of B.E., in TEQIP sponsored VTU Workshop conducted at Jnanasangama, VTU, Belagavi on 3rd and 4th May-2019, as per the Registrar's circular vide Ref.1 & 2 above. Faculty members of engineering colleges (constituent, autonomous and affiliated) coming

Vena

14.5.19

under all the four regions of VTU have actively participated in the deliberations and offered their feedback/useful comments on the drafted syllabus.

- One of the highlights of the feedback is to **rename** the Engg. Mathematics courses viz., Engineering Mathematics-III & Engineering Mathematics-IV respectively as, **Transform Calculus, Fourier Series and Numerical Techniques (18MAT31) & Complex Analysis, Probability and Statistical Methods (18MAT41)** with **03 credits each**. However, it was decided to retain the title of Mathematics bridge courses for lateral entry diploma holders as **Additional Mathematics-I (18MATDIP31) and Additional Mathematics-II (18MATDIP41), without any credits.**

Further, the following open electives offered from Basic Science departments were also presented in the workshop and feedback was taken from the teaching fraternity. Indeed, The open electives proposed for VI semester B.E. with approved titles are as follows:

- (i) **18PHY651- Laser Physics and Non-Linear Optics (03 Credits);**
- (ii) **18CHE652- Applied Chemistry for Engineers (03 Credits);**
- (iii) **18MAT653- Advanced Linear Algebra (03 Credits).**

Similarly, open electives proposed for VI semester B.E. with approved titles are as follows:

- (i) **18PHY751- Applied Physics for Engineers (03 Credits);**
- (ii) **18CHE752-Advanced Polymer Chemistry for Engineers (03 Credits);**
- (iii) **18MAT753-Advanced Mathematical Methods (03 Credits).**

- Another feedback emerged in these workshops is to **rename the Paper Setting Boards** in Basic Sciences as **Physics, Chemistry, Mathematics** against the above respective courses, for clarity.

- Taking all these feedback into consideration members of BOS in Basic Sciences have finalized the syllabus of

- (i) (a) **Transform Calculus, Fourier Series and Numerical Techniques (18MAT31) & Complex Analysis, Probability and Statistical Methods (18MAT41) and**

(b) Additional Mathematics-I (**18MATDIP31**) & Additional Mathematics-II
(**18 MATDIP41**)

(c) Advanced Linear Algebra (**18MAT653**) & Advanced Mathematical
Methods (**18MAT753**)(Annexure-I)

&

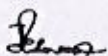
(ii) Laser Physics and Non-Linear Optics (**18PHY651**) & Applied Physics
for Engineers (**18PHY751**) (Annexure-II);

(iii) Applied Chemistry for Engineers (**18CHE652**) & Advanced Polymer
Chemistry for Engineers (**18CHE752**)(Annexure-III);

incorporating all the suggestions arrived in the workshop. Further, blow-up syllabus in each of the above theory courses have also been prepared upgraded after the feedback. This is final syllabus and no further changes are required. I am herewith submitting all of them for your kind consideration and further needful action.

Thanking you

With Regards



Dr. A. T. Eswara

Academic Senate member & Chairman-BOS in Basic Sciences, VTU, Belagavi
& Professor and Research Supervisor, Department of Mathematics
GSSSIETW, KRS Road, Mysuru-570 016.


Date: 08-05-2019

Place: Mysuru

Visvesvaraya Technological University, Belagavi
Board of Studies – Electrical and Electronics Engineering

Meeting Proceedings held on 24-05-2019 at Regional Office Bengaluru:

1. Chairman welcomed the members and invitees.
2. Draft copy of the syllabus has been finalized based on the feedback/suggestions given by the faculty members in the workshop held at BNMIT, Bengaluru.
3. Chairman is authorized to finalize syllabus and submit to VTU, Belagavi.
4. Subject to be studied/exempted for the students admitting to 2018 scheme from 2015 and 2017 scheme at different semesters are finalized.
5. Meeting is adjourned with thank note by Dr. G. H. Kulkarni.


24/5/19

Dr. G. H. Kulkarni
Chairman, BOS, EEE,
VTU, Belagavi.
Electrical & Electronics Engg.,
Jain College of Engineering,
Machhe, Belgaum-590 014.

Meeting of the Committee constituted for rectification in the credits of Scheme of B.Arch. Programme (2015 Scheme) convened on 11-7-2019, 10.00 AM at VTU, Belagavi

Following members were present:

- 1) Dr. N.V.R. Naidu, Dean & Faculty of Engineering, VTU, Belagavi Chairman
- 2) Dr. H.C. Nagaraj, Principal, NMIT, BengaluruMember
- 3) Dr. Satish Annigeri, Registrar (I/c), VTU, Belagavi..... Member Secretary

Following members were absent:

- 1) Dr. M. G. Venkatesh Murthy, Hon'ble EC Member of VTU, Belagavi Member

Dr. Satish Annigeri, Registrar (I/c) welcomed all the members.

All the members went through thoroughly the Scheme and Syllabus of B.Arch. Programme of 2015 Scheme in detail in the context of variations in proposed total number of credits for B.Arch. programme/ scheme and resolved as follows:

Resolutions of the Meeting.

- 1) B. Arch.

The credits and contact hours are normalized as below according to Council of Architecture

Subject	Contact Hours per week		Credits	
			Existing	Corrected
15ARC 9.1 Professional Training	-	-	14	13

The meeting ended with thanks to the Chair.

Signature of the Committee Members

- 1) Dr. N.V.R. Naidu, Dean & Faculty of Engineering, VTU, Belagavi _____
- 2) Dr. H.C. Nagaraj, Principal, NMIT, Bengaluru _____
- 3) Dr. Satish Annigeri, Registrar (I/c), VTU, Belagavi _____

Proceedings of the **Joint BoS meeting held on 14th February 2018** at VTU, Regional Office, Bengaluru

Members Present:

1. Prof.V.Keshava Murthy, Special Invitee, Dept., of E&E, Dr.Ambedkar Institute of Technology, Bengaluru.
2. Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi
3. Prof.Vaman B Gudi, Special Invitee, Professor, Dept., of E&C , Cambridge Institute of Technology, Bengaluru
4. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
5. Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engg., of VTU, Belagavi.
6. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
7. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
8. Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi.
9. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
10. Dr. Shobha Savanur, Chairman, BOS in E & E of VTU, Belagavi.
11. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi.
12. Dr.U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi.
13. Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi.
14. Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi
15. Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belagavi.
16. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.
17. Dr. Nandakishore, Chairman, BOS in Automobile Engg., of VTU, Belagavi.
18. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi
19. Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi
20. Dr. Sateesh Annigeri, Registrar (Evaluation), VTU, Belagavi

Agenda:

1. Revision of PG Syllabus, SEE and CIE Ratio for 2018-19.
2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19.
3. Review of Model Curriculum for UG Programme designed by AICTE.
4. Finalization of 3rd to 8th Semester Syllabus for 2017-18 Scheme.
5. Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/ Eligibility to first year or higher semester.
6. Any other matter with the permission of the chair.

Table Agenda:

1. An Alternate Question Paper Pattern for 2017 Scheme CBCS Batch.
2. Regulations Governing the Degree of Doctor of Philosophy (Ph.D)- Amended-2014.
3. To include Kannada as one of the credit course for B.Arch Programme from academic year 2018-19
4. Number of ranks to be limited to 50% or less for programmes offered in only one Institution.
5. Providing Subject wise University Aggregate Results.
6. Clarification regarding Internship.
7. Formulation of Modalities/Guidelines for UG Internship (2015-16 Scheme).

Minutes of the Meeting:

Dr. H.N. Jagannatha Reddy, Registrar welcomed the Hon'ble Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, all the Chairmen of Board of Studies and also Special invitees Prof. V. Keshava Murthy and Dr. D.S. Suresh. He requested the Hon'ble Vice-Chancellor for further proceedings.

Hon'ble Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members and requested members for active discussions as the agenda items. After detailed deliberations, the following resolutions were made.

Agenda -1 & 2 : 1. Revision of PG Syllabus, SEE and CIE Ratio for 2018-19.
2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19

Resolution : (a) Recommended to revise the scheme and syllabus of PG programs for the academic year 2018-19 in line with AICTE model curriculum with following recommendations:

1. Marks division for CIE and SEE to be in the ratio 40:60.
2. Programme credits for the award of degree:

- M.Tech. - 72
- MBA - 102
- MCA - 125

- M. Arch - To be confirmed by the Chairman, BOS in Architecture in consultation with COA.

Agenda -3 : 3. Review of Model Curriculum for UG Programme designed by AICTE.

Resolution : (a) Recommended to revise the UG BE/B.Tech programme scheme of Teaching and Examination, and Syllabus in line with AICTE model curriculum and proposed to implement the same from the academic year 2018-19 with the following recommendations:

1. Conduct Three weeks mandatory Induction Programme.
2. Prepare the UG BE/B.Tech programme scheme of Teaching and Examination with the following structure:

Sl No	Category	Prescribed credits
1	Humanities and Social Sciences including Management courses. [Kannada: 01 credit, English: 02 credit, CIPH: 01 credit, Management: 03 credits.]	07
2	Basic Science courses	25
3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.,	24
4	Professional core courses	80
5	Professional Elective courses relevant to chosen specialization/branch	15
6	Open subjects - Electives from other technical and /or emerging subjects	09
7	Project work, seminar and internship in industry or elsewhere. [Seminar: 01 credit, Project: 05 credit, Internship: 09 credits]	15
Total credits		175

3. Academic Section to provide Templates for tentative scheme of teaching and evaluation as decided in the JBOS.

4. The respective Board of Studies to organize workshop/s regarding proposed AICTE model curriculum and to prepare the model

	<p>scheme of teaching and examination based on the outcome of the workshop/s.</p> <p>5. It was proposed to conduct one day workshop to all the Chairmen & Members, Board of Studies on AICTE Model Curriculum.</p> <p>6. Call for a meeting of chair persons of Basic Sciences, Humanities, board including the Chairmen of EEE, ECE, Mech and Civil boards for deliberation on the preparation of scheme of Teaching and Examination, and syllabus for 1st year B.E and B.Arch Programmes.</p> <p>7. B. Arch - To be confirmed by the Chairman, BOS in Architecture in consultation with COA. Chairman of B. Arch to propose scheme of Teaching and Examination, and syllabus of both UG and PG consultation with COA.</p>
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Agenda -4 : **Finalization of III to VIII Semester Syllabus for 2017-18 Scheme.**

Resolution : All Chairmen are to submit the final consolidated copy of syllabus only with minor changes in the contents in line with 2015-16 higher semester syllabus on or before 30-03-2018 without fail

Agenda -5 : **Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/ Eligibility to first year or higher semester.**

Resolution : (a) Recommended to follow the prevailing scheme for UG Programme. However an equivalence regarding scheme of study to be obtained from Chairman of concerned board.
 (b) Also recommended for PG Programme students who were admitted in 2016-17 and could not attend the higher semester classes during the academic year 2017 -18 and eligible now should attend the classes with 2017-18 scheme batch students. However, these students have to follow 2016-17 scheme of teaching and Examination and not the prevailing scheme of teaching and Examination.

Table Agenda

Table Agenda-1 : **An Alternate Question Paper Pattern for 2017 Scheme CBCS Batch.**

Resolution : **Resolved to follow the present pattern that is in place.**

Table Agenda-2 : **Regulations Governing the Degree of Doctor of Philosophy (Ph.D)- Amended-2014.**

Resolution : (a) Issue about the qualifications for Research Supervisor for Ph.D (Architecture) to be referred to Research committee for consideration.
 (b) Issue about the Ph.D comprehensive viva – voce to be referred to Research committee for consideration.

Table Agenda-3 : **Inclusion of Kannada as one credit course for III semester B. Arch Programme from academic year 2018-19.**

Resolution : To include Kannada as one of the credit course for B.Arch Programme from academic year 2018-19.

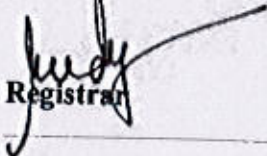
Table Agenda-4 : **Number of ranks to be limited to 50% or less for programme offered in only one Institution.**

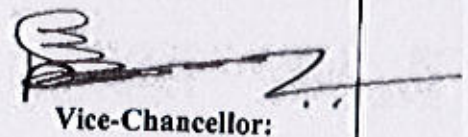
Resolution : To abide by the existing regulations.

Table Agenda-5 : **Providing Subject wise University Aggregate Results**

Resolution	:	University to publish Subject wise Aggregate Results so that the institutions can access the same through Principal's login.																												
Table Agenda-6 & 7	:	Clarification regarding Internship. Formulation of Modalities/Guidelines for UG Internship (2015-16 Scheme).																												
Resolution	:	(a) Four week Internship during 6 th and 7 th and/or 7 th and 8 th Semester vacation period. (b) The examination on Internship to be conducted in line with University project viva -voce examinations. (c) Amend (modify) the existing 2015 -16 regulations governing the internship i.e., ISOB.9																												
Table Agenda-7	:	Book Exhibition and Inclusion of one Librarian to BoS Meetings.																												
Resolution	:	(a) To organize Book Exhibition at VTU Regional office, Bengaluru and VTU Campus, Belagavi. (b) To Invite one librarian to BoS Meetings to assist the Board of Studies to assist to select/propose Reference books and Text Books.																												
Table Agenda- 8	:	Action Plan for Implementation of quality initiatives of AICTE including revised curriculum																												
Resolution	:	It is resolved to write a letter to Ministry of Human Resource Development, Department of Higher Education, Government of India regarding the Action Plan Timeline of Implementation of AICTE Model Curriculum the timeline as follows:																												
		<table border="1"> <thead> <tr> <th>Sr.No</th> <th>Activity</th> <th>Time Line</th> </tr> </thead> <tbody> <tr> <td rowspan="5">1.</td> <td rowspan="5">Inviting Board of Studies Meeting <ul style="list-style-type: none"> Examining existing curriculum Examining AICTE Model curriculum for its suitability Revision of curriculum incorporating model curriculum suggested by AICTE Identifying PEO, PO, CO </td> <td></td> </tr> <tr> <td>02/02/2018</td> </tr> <tr> <td>14/02/2018</td> </tr> <tr> <td>16/04/2018</td> </tr> <tr> <td>16/04/2018</td> </tr> <tr> <td rowspan="3">2</td> <td rowspan="3">Formation of Industry Consultation Committee (ICC) <ul style="list-style-type: none"> Examining curriculum for its suitability of Industry demand. Vetting of PEO, PO, CO </td> <td></td> </tr> <tr> <td>15/03/2018</td> </tr> <tr> <td>02/05/2018</td> </tr> <tr> <td>3</td> <td>Preparation of Training Plans for Teachers</td> <td>05/05/2018</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">Inviting Academic Council Meeting <ul style="list-style-type: none"> Approval of revised (model) curriculum Approval to teachers training plans </td> <td></td> </tr> <tr> <td>10/05/2018</td> </tr> <tr> <td>5</td> <td>Orientation workshop for faculty for implementation of revised curriculum</td> <td>15/05/2018 - 20/06/2018</td> </tr> <tr> <td>6</td> <td>Implementation of curricular retrospectively w.e.f Academic Session 2018-2019</td> <td>01/08/2018</td> </tr> </tbody> </table>	Sr.No	Activity	Time Line	1.	Inviting Board of Studies Meeting <ul style="list-style-type: none"> Examining existing curriculum Examining AICTE Model curriculum for its suitability Revision of curriculum incorporating model curriculum suggested by AICTE Identifying PEO, PO, CO 		02/02/2018	14/02/2018	16/04/2018	16/04/2018	2	Formation of Industry Consultation Committee (ICC) <ul style="list-style-type: none"> Examining curriculum for its suitability of Industry demand. Vetting of PEO, PO, CO 		15/03/2018	02/05/2018	3	Preparation of Training Plans for Teachers	05/05/2018	4	Inviting Academic Council Meeting <ul style="list-style-type: none"> Approval of revised (model) curriculum Approval to teachers training plans 		10/05/2018	5	Orientation workshop for faculty for implementation of revised curriculum	15/05/2018 - 20/06/2018	6	Implementation of curricular retrospectively w.e.f Academic Session 2018-2019	01/08/2018
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The Meeting concluded with thanks by the chair.


Registrar


Vice-Chancellor:



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

REGISTRAR

Phone: (0831) 2405468

Fax : (0831) 2405467

Ref No. VTU/Aca/A12/ 2017-18/ 10100

U O Note

Date: 1 FEB 2018

Sub: Discrepancy of 15MN562 & B.Plan Regulation - reg
Ref: VTU/Exam/2017-2018/2549, dtd: 25th Jan 2018

With reference to the above, herewith sending the notified copy of revised open elective list and also enclosing the Regulations governing B.Plan Programme and 2nd Semester **Scheme & Syllabus**. This is for your information and needful action.

REGISTRAR

To,

The Registrar (Evaluation)

VTU, Belagavi.

Received
7/2/18



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H.N. Jagannatha Reddy, BE,ME,Ph.D.
REGISTRAR

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

Ref No. VTU/Aca/A12/ 2017-18/ 6244

U O Note

12 OCT 2017

Sub: B.E/B.Tech Regulation (CBCS) for 2017-18 batch onwards – reg.

With reference to the above, this is to inform that the B.E/B.Tech Regulations and Schemes (CBCS) has been changed from the academic year 2017-18, and it's applicable for 2017-18 admitted batch onwards.

Encl: Regulation, Scheme & Syllabus.

Judy 11/10/17
REGISTRAR
11/10

To,
The Registrar (Evaluation)
VTU, Belgaum.

Tom
5/12/17
Received

60:40
Scheme
Mechanical Lab
Syllabus not
sent



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H.N. Jagannatha Reddy, BE,ME,PH.D.
REGISTRAR

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

Ref No. VTU/Aca/A12/2017-18/4763

Date:

13 SEP 2017

To,
The Chairmen
Board of Studies,
VTU, Belagavi.

Sir,

Sub: Submission of the UG Course Scheme & Syllabus (CBCS) Scheme- reg.

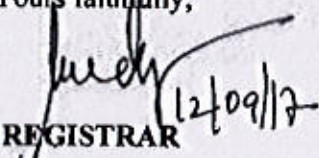
Adverting to the above subject, it is hereby informed that as it was discussed in JBOS meeting held on 08th September 2017 to submit the scheme & syllabus of 6th to 8th by 16th September 2017 and the for receiving the feedback before 22nd September 2017 and Final Submission of the Scheme & Syllabus is on or before 28th September 2017.

Also, it is to submit the scheme & Syllabus of 2017-18 admitted batch by 30th October 2017.

Kindly do the needful at the earliest.

Thanking you,

Yours faithfully,


REGISTRAR

**Joint Board of Studies Meeting held on 17th September 2018 at Senate Hall, VTU
Regional Center Kalaburagi at 11.00am**

Members Present:

1. Dr. Karisidappa, Chairman JBOS and Honorable Vice chancellor, VTU, Belagavi.
2. Dr. H. N. Jagannatha Reddy, Registrar, VTU, Belagavi.
3. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU Belagavi, and Principal, Nitte Meenakshi Institute of Technology, Bengaluru
4. Dr. Satish Annigeri, Registrar (Evaluation), VTU, Belagavi
5. Dr. C N Chandrappa, Executive Council Member and Special Invitee, VTU, Belagavi.
6. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi & Principal, KLE Institute of Technology, Hubballi
7. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences, VTU, Belagavi.
8. Dr. Srinivas Rao Kunte, Chairman, BOS in E and C, VTU, Belagavi.
9. Dr. R. P. Reddy, Chairman, BOS in Mech. Engineering, VTU, Belagavi.
10. Dr. Aswath M. U., Chairman, BOS in Civil Engineering, VTU, Belagavi.
11. Dr. N.Chowdappa, Chairman, BOS in Library and Information Science, VTU, Belagavi.
12. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
13. Dr. Omprakash S Bawane, Chairman, BOS in Architecture, VTU, Belagavi.
14. Dr. Nandakishore, Chairman, BOS in Automobile Engineering, VTU, Belagavi.
15. Dr. S. M Gopinath, Chairman BOS in Biotechnology, VTU, Belagavi.
16. Dr. Shobha Savanur, Chairperson, BOS in E and E, VTU, Belagavi.
17. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics and Instrumentation Engineering of VTU, Belagavi.
18. Dr. U. Bhojanna, Chairman, BOS in Business Administration, VTU, Belagavi.
19. Dr. Ramakrishna in place of Dr. M. C. Jagath, Chairman, BOS in IPE, VTU, Belagavi.
20. Dr. Murugesh Babu, Chairman, BOS in Silk and Textile Technology, VTU, Belagavi.
21. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering and Polymer Science, VTU, Belagavi
22. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology, VTU, Belagavi.
23. Dr. H.S Dayananda, Chairman, BOS Humanities, VTU, Belagavi.
24. Prof. V. Keshava Murthy, Academic Advisor, VTU Regional office, Bengaluru.
25. Dr R. Prabhakara, Professor, Emeritus and Advisor Academic and Admin section, VTU, Belagavi.
26. Prof. Vaman Gudi, Cambridge Institute of Technology north campus Bangalore – Special Invite

Members Absent:

1	Dr. D. S. Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi.
2	Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engineering of VTU, Belagavi.

Members Present:

1. Dr. Karisidappa, Chairman JBOS and Vice chancellor, VTU, Belagavi.
2. Dr. H. N. Jagannatha Reddy, Registrar, VTU, Belagavi.
3. Dr. Satish Annigeri, Registrar (Evaluation), VTU, Belagavi
4. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU Belagavi, and Principal, Nitte Meenakshi Institute of Technology, Bengaluru.
5. Prof. V. Keshava Murthy, Academic Advisor, VTU Regional office, Bengaluru.
6. Dr. R. Prabhakara, Professor, Emeritus Structural Engineering Division, and Advisor Academic and Admin section, VTU, Belagavi.
7. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences, VTU, Belagavi.
8. Dr. Omprakash S Bawane, Chairman, BOS in Architecture, VTU, Belagavi.
9. Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engineering, VTU, Belagavi.
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17. Dr. M. C. Jagath, Chairman, BOS in IPE, VTU, Belagavi.
18. Dr. Murugesha Babu, Chairman, BOS in Silk and Textile Technology, VTU, Belagavi.
19. Dr. Nandakishore, Chairman, BOS in Automobile Engineering, VTU, Belagavi.
20. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology, VTU, Belagavi.
21. Dr. N. Chowdappa, Chairman, BOS in Library and Information Science, VTU, Belagavi.
22. Dr. H.S Dayananda, Chairman, BOS Humanities, VTU, Belagavi.

Members Absent

1. Dr. D.S. Suresh, Academic Senate and Executive Committee member, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi.
2. Dr. C N Chandrappa, Executive Council Member and Special Invitee, VTU, Belagavi.
3. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering and Polymer Science, VTU, Belagavi.

Agenda:

1. Finalization of the Scheme for B.E/B.Tech Programme for 2018-19 scheme (as per AICTE Model Curriculum).
2. Finalization of the Scheme for M.Tech/MCA and MBA Programme for 2018-19 scheme (as per AICTE Model Curriculum).
3. To adopt teaching days as 180 in a Year as per UGC.

Table Agenda:

1. Equivalence Courses for Change of Scheme Students.
2. Mention of paper setting Board.
3. M.Sc Physics consideration for Eligibility in M.Tech (Renewable Energy).
4. Any other matter with the permission of the chair

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairmen of Joint Board of Studies and all the members present. He requested Honorable Vice-Chancellor for further proceedings.

Honorable Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members and briefed on the agenda. Honorable Vice-Chancellor requested members for discussions. After detailed deliberations the following resolutions were made.

Agenda -1	Finalization of the Scheme for B.E/B.Tech Programme for 2018-19 scheme (as per AICTE Model Curriculum).
Resolution	<p>1. Resolved to incorporate the following to the Scheme of Teaching and Examination of UG programme 2018-19.</p> <p>(a) In order to provide sufficient time for the learners in tutorial classes, it is decided to assign one credit to 2 hour tutorial/week/semester in lieu of earlier decision that one credit to 1 hour tutorial/week/semester.</p> <p>(b) To provide ample opportunity for teaching - learning exercise of two credit English course, the consensus of the Board was to have the course both in I and II semesters instead of limiting it only to II semester.</p> <p>(f) Further, designate the course as Language Laboratory I (English) for I semester and Language Laboratory II (English) for II semester. Each course to carry a credit of one.</p> <p>(ii) Consider the course under practical heading.</p> <p>(iii) Assessment of students in the course to be through CIE only.</p> <p>(c) (i) The III semester course Kannada to be taught as vyavaharika kannada (Communication Kannada) to non-kannada speaking students/ to students who have not studied kannada during schooling and Aadalithathmaka Kannada (Administrative Kannada) to students who can read and write kannada and have studied kannada during schooling.</p> <p>(ii) Consider the course under practical heading.</p> <p>(iii) Assessment of students to be through CIE only.</p> <p>(d) Title of the course Civil Engineering and Mechanics of I / II semester to be modified as Elements of Civil Engineering and Mechanics.</p> <p>(e) Title of the course Computer Programming Laboratory of I / II semester to be modified as C Programming Laboratory.</p> <p>(f) Assessment of students in the VII semester BE/B.Tech course project work Phase -1 to be through CIE only.</p> <p>(2) Four Professional Elective Courses to be assigned to BE/B.Tech programmes; One for VI semester, two for VII semester and one for VIII semester.</p> <p>3.(f) Two Open Elective Courses to be assigned to BE/B.Tech programmes;</p>

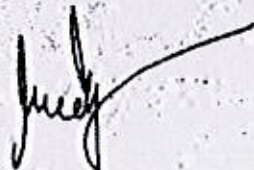
	<p>One each during VI and VII semesters.</p> <p>(ii) Constitute a Committee with Dean, Engineering as Chairman, Chairpersons of Board of Studies and Advisors of VTU as members for finalization of BE/B.Tech Open Electives.</p> <p>4. Board authorized the Vice-Chancellor to finalize the BE/B.Tech Regulations 2018 - 19 and Scheme of Teaching and Examination.</p> <p>5. Board of Studies to submit the Scheme of Teaching and Examination and syllabus pertaining to III to VIII semesters of BE/B.Tech/ B.Arch programmes on or before 30th June 2018.</p>																				
Agenda -2	Finalization of the Scheme for M.Tech, MCA, MBA and M.Arch Programme for 2018-19 scheme (as per AICTE Model Curriculum).																				
Resolution	<p>(1) Revise the credits of postgraduate programmes to be on par with the credits prescribed for autonomous colleges under VTU from the academic year 2018 -19. The table 1 shows the previous and the revised credits prescribed for the postgraduate programmes.</p> <table border="1"> <caption>Table -1 Credits prescribed for different Postgraduate programmes</caption> <thead> <tr> <th rowspan="2">Postgraduate programmes</th> <th colspan="2">Credits as per the decision of</th> </tr> <tr> <th>JBS held on 27-03-2018</th> <th>JBS held on 11-06-2018</th> </tr> </thead> <tbody> <tr> <td>M. Tech.</td> <td>72</td> <td>88</td> </tr> <tr> <td>M. Arch.</td> <td>100</td> <td>100</td> </tr> <tr> <td>M.B.A.</td> <td>102</td> <td>100</td> </tr> <tr> <td>M.C.A.</td> <td>125</td> <td>132</td> </tr> <tr> <td>MCA (Lateral Entry)</td> <td>-</td> <td>88</td> </tr> </tbody> </table> <p>(2) Marks for evaluation of each course to be 100; SEE and CIE to be in the ratio 60:40.</p> <p>(3) Evaluation of Technical seminar and Project work phase I to be through CIE only.</p> <p>(i) The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25.</p> <p>(ii) The CIE marks awarded for project work phase -I, shall be based on the evaluation of Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25.</p> <p>(4) Recent two year MCA Programme sanctioned by AICTE, is to be reckoned as II and III years of the three year MCA programme for which BCA/B S.c Graduates are only eligible under lateral entry scheme.</p>	Postgraduate programmes	Credits as per the decision of		JBS held on 27-03-2018	JBS held on 11-06-2018	M. Tech.	72	88	M. Arch.	100	100	M.B.A.	102	100	M.C.A.	125	132	MCA (Lateral Entry)	-	88
Postgraduate programmes	Credits as per the decision of																				
	JBS held on 27-03-2018	JBS held on 11-06-2018																			
M. Tech.	72	88																			
M. Arch.	100	100																			
M.B.A.	102	100																			
M.C.A.	125	132																			
MCA (Lateral Entry)	-	88																			
Agenda -3	To adopt teaching days as 180 in a Year as per UGC.																				
Resolution	Resolved to adopt 180 or more teaching days in an academic Calendar as per UGC norms and to have at least 90 teaching days per semester.																				

Table Agenda

Table Agenda-1	:	Equivalence courses for students who change the Scheme.
Resolution	:	Students who change the scheme of study because of various reasons have to get admitted to the prevailing scheme and follow the norms pertaining to it. Such students may have to complete additional subjects, if any, when the equivalence between the two schemes is decided by the concerned Board of Studies along with the number of credits to be earned after completing all the remaining semesters as a regular student in the prevailing scheme.
Table Agenda-2	:	Mention of paper setting Board.
Resolution	:	Specific paper setting Board of examiners (BOE) be mentioned against each science Course instead of the generic term Basic Sciences in the BE/B.Tech scheme of Teaching and Examination. Illustration: (i) Engineering Physics: Paper setting Board - BOE in Physics. (ii) Engineering Chemistry: Paper setting Board - BOE in Chemistry. (iii) Mathematics papers: Paper setting Board - BOE in Mathematics.
Table Agenda-3	:	Approval of M.Sc Physics degree for Eligibility to M.Tech (Renewable Energy).
Resolution	:	After the deliberations, M.Sc Physics degree, as per MNRE, Government of India, is approved to be eligible to M.Tech (Renewable Energy) programme.
Issues with the permission of the chair		
Issue-1	:	Change of nomenclature of programme (course, according to AICTE Approval Process Handbook 2018 -19) Instrumentation Technology (IT) to Electronics and Instrumentation Engineering (EI)
Resolution	:	Address a letter to KEA - CET cell to change the branch name of Instrumentation Technology (page 14) Instrumentation Technology (IT) (page 21) to Electronics and Instrumentation Engineering (EI) in the PGCET - 2018 - Information Bulletin.

The Meeting concluded with thanks by the chair.

Registrar



Vice-Chancellor:

**Joint Board of Studies Meeting held on 27th March 2018 at
Executive Council Meeting Hall, Belagavi at 11.00am**

Members Present:

1	Dr. Karisiddappa, Chairman JBoS and Hon'ble Vice-Chancellor, VTU, Belagavi.
2	Dr. H. C. Nagaraj, Dean Faculty of Engineering VTU, Belagavi & Principal, Nitte Meenakshi Institute of Technology, Bengaluru.
3	Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
4	Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
5	Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engineering of VTU, Belagavi.
6	Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
7	Dr. Aswath M. U., Chairman, BOS in Civil Engineering of VTU, Belagavi.
8	Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
9	Dr. Shobha Savanur, Chairman, BOS in E & E of VTU, Belagavi.
10	Dr. Mallikarjun S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi.
11	Dr.U. Bhojanna, Chairman, BOS in MBA of VTU, Belagavi.
12	Dr. R. P. Reddy, Chairman, BOS in Mechanical Engineering of VTU, Belagavi.
13	Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi.
14	Dr. Murugesha Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belagavi.
15	Dr. Nandakishore, Chairman, BOS in Automobile Engineering of VTU, Belagavi.
16	Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi.
17	Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi.
18	Dr. H.S. Dayananda, Chairman, BOS Humanities of VTU, Belagavi.
19	Dr. Satish Annigeri, Registrar (Evaluation), VTU, Belagavi.
20	Dr. H.N. Jagannatha Reddy, Member Secretary JBoS and Registrar, VTU, Belagavi.
21	Prof.V.Keshava Murthy, Special Invitee, Department of E&E, Dr.Ambedkar Institute of Technology, Bengaluru.
22	Dr. R Prabhakara, Former Prof and Head MSRIT, Bengaluru.
23	Dr. C N Chandrappa , Special Invitee, Acharya Institute of Technology, Bengaluru
24	Dr Vaman Gudi , Special Invitee, Dept of E&C, Cambridge Institute of Technology, Bengaluru

Members on Leave:

1	Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi.
2	Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.

Agenda

1. Finalization of 1st year Scheme for 2018-19 UG and PG Curriculum and Timeline for submission of Syllabus is enclosed.
2. Guidelines for Framing the regulations for 2018-19 Scheme (The 2017-18 Scheme Regulation is placed on file for reference)
3. Introduction of Bachelor's of Vocation as per AICTE Syllabus and Guidelines
4. Any other matter with the permission of the chair.

Table Agenda:

1. Implementation of Scientific Perspective and History on Modern Science Course in UG Level (as per the Government order ED 113 UNI 2017, dtd: 05.03.2018).
2. Consideration of M.Sc and B.Sc graduates for the admission of Post Graduate D in Industrial Management-PGDISM for IISM College (University has a MoU with this college for the award of degree).
3. The Eligibility Criteria for the admissions of MBA, MCA, ME and M.Tech and also the Criteria for the candidates passed through Open University/ Correspondence Course.

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, Chairpersons of BOS and also Special invitees and presented the salient features of the model AICTE curriculum along with

- Proceedings of the Joint BoS meeting held on 14th February 2018 at VTU, Regional Office, Bengaluru.
- Proceedings of the One Day Workshop on "AICTE Model Curriculum" for UG and PG Programs held on 12th March 2018 at BMSCE, Bengaluru.

He requested the Honorable Vice-Chancellor for the further proceedings. Honorable Vice-Chancellor, Dr. Karisiddappa welcomed and requested all the chairpersons of BoS and Special Invitees for their active participation, discussions and fruitful conclusions. The outcomes of the deliberations in the form of resolutions are listed against each agenda.

Agenda -1 : **Finalization of 1st Year scheme for 2018-19 UG and PG curriculum**

Resolution : Revise the scheme of Teaching and Examination, and syllabus for UG programs from the academic year 2018-19 in line with AICTE model curriculum and implement the scheme in compliance with the following.

Agenda -1 : **A. UG Programs**

Resolution : **(UG.a) : UG Programs Credits**

(continued)

Table.1	
Credits for the UG Programs starting from the academic year 2018 - 19	
Programs	Credits
B.E/ B.Tech/ Textiles/ Bio Tech/ B. Plan (All 4 years)	175
B. Arch (5 years)	260

- (UG.b): Three weeks mandatory Induction Programme
- (UG.c): Duration of I semester to be 18 weeks. The exact duration shall be intimated by Registrar (Evaluation) with reference to the period required for conducting of University examinations.
- (UG.d): Period of vacation after I semester University examination to be decided with reference (c). Preferable to reduce the present vacation period by 2 weeks.
- (UG.e): The credits for I and II semesters to be around 19 and 21 respectively.
- (UG.f):
- i. Formulate the syllabus of Physics, Chemistry and Mathematics that are appropriate for all the programs with due consideration to the PUC and XII Standard syllabi.
 - ii. Dr.A. T. Eswara, Chairman of Basic Science Board of Studies to convene a meeting of Chairpersons of BOS in EEE, ECE, Mechanical Engineering, Civil Engineering and Humanities on or before 10th April 2018 to finalize the syllabus of Physics, Chemistry and Mathematics.
- (UG.g) : The course, Engineering Graphics be shifted to 1st year with sketching compulsory.
- (UG.h) : The mandatory courses Constitution of India and Professional Ethics, Environmental Studies, and Kannada shall be offered in III & IV semesters.
- (UG.i) : Number of courses from III to VI semesters to be
- 06 theory and 02 laboratories for Engineering programs and
 - 05 theory and 03 laboratories for Textile programme.

**Agenda -1
Resolution
(continued)**

(UG.j) : The UG, BE/B.Tech. to have

- one mandatory internship and
- Internship or mini – project during VI semester.

(UG.k) :

- (a) The mandatory non – credit courses Diploma Mathematics I and II prescribed at III and IV semesters respectively, to lateral entry Diploma holders admitted to III semester of BE/B.Tech programs shall compulsorily be registered during respective semesters to complete all the formalities of the course and appear for University examination.
- (b) The mandatory non-credit courses Diploma Mathematics I and II, prescribed to lateral entrant Diploma holders admitted to III semester of BE/B.Tech programs, are to be completed to secure eligibility to VII semester. However, they are not considered for vertical progression from II year to III year of the programme but considered as head of passing along with credit courses of the programme to eligibility to VII semester.

(UG.l) : Chairpersons of BOS to organize workshops in their respective field of specialization to debate and evolve, based on the outcome, the scheme of Teaching and Examination for all the semesters.

(UG.m) : The academic section to issue templates for tentative UG scheme of teaching and examination.

B. PG Programs

Revise the scheme of Teaching and Examination, and syllabus for PG programs from the academic year 2018-19 in line with AICTE model curriculum and implement the scheme in compliance with the following.

(PG.a) : PG Programs Credits

Credits for the PG Programs starting from the academic year 2018 - 19	
Programs	Credits
M.Tech.	72
MBA	102
MCA	125
M.Arch.	100

(PG.b) : The ratio of evaluation of SEE and CIE be 60:40.

(PG.c) : Courses for M.Tech programs shall be

- 05theory, 01 laboratory and Technical seminar for I semester.
- 05theory, 01 laboratory and mini- project/internship for II semester.
- 02theory and mini- project/internship for III semester.
- Dissertation and Technical seminar for IV semester.

**Agenda -1
Resolution
(continued)**

(PG.d) : The academic section to issue templates for tentative PG scheme of teaching and examination.

C. Calendar of events for different activities of UG and PG Programs.

Calendar of events	
Particulars	Last Date/Duration
Submission of tentative Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs.	19 th April 2018
Publication of tentative Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs on University website for Feedback	21 th April 2018 to 30 th April 2018 for Feedback
Mandatory workshop to be conduct on Scheme(2018-19) by each BOS	Between 1 st May 2018 and 20 th May 2018
Submission of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs University(by E-Mail)	23 rd May 2018
Publication of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs on University website	25 th May 2018
Presentation of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs before AS and EC for approval.	Last week of May 2018 or First week of June 2018

Agenda -2

:

Guidelines for framing the regulations for 2018-19 schemes.

Resolution

- Frame the VTU Regulations 2018-19 of different programs by incorporating appropriate changes in the existing Regulations 2017-18.
- The framing of VTU Regulations 2018-19 to be completed by Prof.V.Keshava Murthy, Dr. R. Parahakara and Sri. Vaman Gudi, all Special Invitees to JBOS.

Agenda -3

:

Introduction of Bachelor's of Vocation as per AICTE Syllabus and Guidelines.

Resolution

:

- a. A committee under the chairmanship of Dean, Faculty of Engineering to submit a report detailing the procedure for the institution of Bachelors of Vocation at VTU and other affiliated institutions.

Agenda -3 Resolution (continued)	<p>b. Amend a clause to VTU statutes in respect of institution of Bachelors of Vocation programme.</p> <p>c. Seek concurrence from Government of Karnataka with respect to institution of Bachelors of Vocation programme, fees structure etc.</p>
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Table Agenda

With the permission of the chair, the following issues were taken up for discussion

Table Agenda-1	: Implementation of Scientific Perspective and History on Modern Science Course in UG Level (as per the Government order ED 113 UNI 2017, dated 05.03.2018).
Resolution	: Dr. H.S. Dayananda , Chairman , BOS Humanities of VTU, Belagavi to submit a report about the feasibility of introducing the above said course at the earliest.
Table Agenda-2	: Consideration of M.Sc and B.Sc graduates for the admission of Post Graduate Diploma in Industrial Management-PGDISM offered at IISM College (University has a MoU with this college for the award of degree).
Resolution	: Recommended to permit the M.Sc and B.Sc Graduates for the admission to Post Graduate Diploma in Industrial safety Management-PGDISM offered at IISM College (University has a MoU as an extension center with this college for the award of Postgraduate Diploma).
Table Agenda-3	: The Eligibility Criteria for the admissions to MBA, MCA, and M.Tech and also the Criteria for the candidates who have passed through Open University/ Correspondence Course.
Resolution	: Respective BOS chairpersons to submit the eligibility criteria for admission to the concerned Programme as per UGC/AICTE norms by 05th April to Registrar, VTU for on word submission to Karnataka Examination Authority, Bengaluru.

The Meeting concluded with thanks by the chair.


Registrar


Vice-Chancellor



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ಟಿಪ್ಪಣಿ ಪುಟ :

ಪುಟ ಸಂಖ್ಯೆ :1.....

ಕಡತದ ಸಂ. :

ದಿನಾಂಕ : 01/02/2018

ವಿಭಾಗ

ವಿಷಯ : JBOS Meeting Items Approval - reg

Academic

Submitted:

It is proposed to conduct the **Joint Board of Studies**

Meeting with the following agenda:

- The CBCS scheme for PG programmes was introduced during 2016-17 by revising the curriculum accordingly. Due to reconsideration in the SGPA and CGPA calculations two Regulations are in place for PG programmes that is the students admitted to PG programmes during 2016-17 and 2017 - 18 are governed by the different regulations. However there is no change in the content of syllabus except the course codes. In regular practice the course content will be revised once in two years for PG and once in 4 years for UG programmes. So as the revision in course content is due for PG programmes for 2018-19 and also whether to revise SEE and CIE in the ratio of 60:40 for PG Programmes.
- Review of Model Curriculum for UG Programme Designed by AICTE.
- **Review & Implementation of Model Curriculum for PG Programme Designed by AICTE from 2018-19.**
- Finalization of 3rd to 8th Semester Syllabus for 2017-18 Scheme
- Regulations and Scheme to be followed for 2016-17 batch students in case of re-admission/Eligibility to first year or higher semester at later stage.
 - a) These Students are governed by 2015-16 regulation and scheme, but currently 2017-18 scheme is in place or first year.

Hence, it is requested to suggest the date and venue of the meeting of Joint BoS.

For kind orders & directions,

Office Suptd:

01/02/18
01/2/18

SO: submitted for kind directions & orders - *01/2/18*

Registrar: For kind approval *01/2/18*
(del 14/02/18 @ 11 AM at Blue Ro)

VC):

Approved to conduct on 14.2.18 at Blue Ro.
1.2.18



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

ಟಿಪ್ಪಣಿ ಪುಟ :

ಪುಟ ಸಂಖ್ಯೆ :1.....

ಕಡತದ ಸಂ. :

ದಿನಾಂಕ : 01/02/2018

ವಿಭಾಗ

ವಿಷಯ : Approval for inclusion of some additional names in the organizing committee for JAGRUTI- A Techno-Educative-Mela by VTU at Bengaluru & Hubballi-reg-
Permissior to conduct JBoS. ...

Academic

Submitted:

It is proposed to conduct the **Joint Board of Studies**

Meeting with the following agenda:

- The CBCS scheme for PG programmes was introduced during 2016-17 by revising the curriculum accordingly. Due to reconsideration in the SGPA and CGPA calculations two Regulations are in place for PG programmes that is the students admitted to PG programmes during 2016-17 and 2017 - 18 are governed by the different regulations. However there is no change in the content of syllabus except the course codes. In regular practice the course content will be revised once in two years for PG and once in 4 years for UG programmes. So as the revision in course content is due for PG programmes for 2018-19 and also whether to revise SEE and CIE in the ratio of 60:40 for PG Programmes.
- Review of Model Curriculum for UG Programme Designed by AICTE.
- Regulations and Scheme to be followed for 2016-17 batch students in case of re-admission/Eligibility to first year or higher semester at later stage.
 - a) These Students are governed by 2015-16 regulation and scheme, but currently 2017-18 scheme is in place or first year.

Hence, it is requested to suggest the date and venue of the meeting of Joint BoS.

For kind orders & directions,

Office Suptd: 1/2/18

Special Officer : submitted for kind orders 1/2/18

leg: for kind approval 1/2/18
[dat 14/02/18 @ 11 AM, Blore RO]

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Proceedings of the Joint BoS meeting held on 14th February 2018 at VTU, Regional Office,
Bengaluru

Members Present:

1. Prof.V.Keshava Murthy, Special Invitee, Dept., of E&E, Dr.Ambedkar Institute of Technology, Bengaluru.
2. Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi
3. Prof.Vaman B Gudi, Special Invitee, Professor, Dept., of E&C , Cambridge Institute of Technology, Bengaluru
4. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
5. Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engg., of VTU, Belagavi.
6. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
7. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
8. Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi.
9. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
10. Dr. Shobha Savanur, Chairman, BOS in E & E of VTU, Belagavi.
11. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi.
12. Dr.U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi.
13. Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi.
14. Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi
15. Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belagavi.
16. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.
17. Dr. Nandakishore, Chairman, BOS in Automobile Engg., of VTU, Belagavi.
18. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi
19. Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi
20. Dr. Sateesh Annigeri, Registrar (Evaluation), VTU, Belagavi

Agenda:

1. Revision of PG Syllabus, SEE and CIE Ratio for 2018-19.
2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19.
3. Review of Model Curriculum for UG Programme designed by AICTE.
4. Finalization of 3rd to 8th Semester Syllabus for 2017-18 Scheme.
5. Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/ Eligibility to first year or higher semester.
6. Any other matter with the permission of the chair.

Table Agenda:

1. An Alternate Question Paper Pattern for 2017 Scheme CBCS Batch.
2. Regulations Governing the Degree of Doctor of Philosophy (Ph.D)- Amended-2014.
3. To include Kannada as one of the credit course for B.Arch Programme from academic year 2018-19
4. Number of ranks to be limited to 50% or less for programmes offered in only one Institution.
5. Providing Subject wise University Aggregate Results.
6. Clarification regarding Internship.
7. Formulation of Modalities/Guidelines for UG Internship (2015-16 Scheme).

Minutes of the Meeting:

Dr. H.N. Jagannatha Reddy, Registrar welcomed the Hon'ble Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, all the Chairmen of Board of Studies and also Special invitees Prof. V. Keshava Murthy and Dr. D.S. Suresh. He requested the Hon'ble Vice-Chancellor for further proceedings.

Hon'ble Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members and requested members for active discussions as the agenda items. After detailed deliberations, the following resolutions were made.

Agenda -1 & 2	:	1. Revision of PG Syllabus, SEE and CIE Ratio for 2018-19. 2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19																											
Resolution	:	(a) Recommended to revise the scheme and syllabus of PG programs for the academic year 2018-19 in line with AICTE model curriculum with following recommendations: <ol style="list-style-type: none">1. Marks division for CIE and SEE to be in the ratio 40:60.2. Programme credits for the award of degree:<ul style="list-style-type: none">➤ M.Tech. - 72➤ MBA - 102➤ MCA - 125➤ M. Arch - To be confirmed by the Chairman, BOS in Architecture in consultation with COA.																											
Agenda -3	:	3. Review of Model Curriculum for UG Programme designed by AICTE.																											
Resolution	:	(a) Recommended to revise the UG BE/B.Tech programme scheme of Teaching and Examination, and Syllabus in line with AICTE model curriculum and proposed to implement the same from the academic year 2018-19 with the following recommendations: <ol style="list-style-type: none">1. Conduct Three weeks mandatory Induction Programme.2. Prepare the UG BE/B.Tech programme scheme of Teaching and Examination with the following structure:<table border="1"><thead><tr><th>Sl No</th><th>Category</th><th>Prescribed credits</th></tr></thead><tbody><tr><td>1</td><td>Humanities and Social Sciences including Management courses. [Kannada: 01 credit, English: 02 credit, CIPH: 01 credit, Management: 03 credits.]</td><td>07</td></tr><tr><td>2</td><td>Basic Science courses</td><td>25</td></tr><tr><td>3</td><td>Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.,</td><td>24</td></tr><tr><td>4</td><td>Professional core courses</td><td>80</td></tr><tr><td>5</td><td>Professional Elective courses relevant to chosen specialization/branch</td><td>15</td></tr><tr><td>6</td><td>Open subjects – Electives from other technical and /or emerging subjects</td><td>09</td></tr><tr><td>7</td><td>Project work, seminar and internship in industry or elsewhere. [Seminar: 01 credit, Project: 05 credit, Internship: 09 credits]</td><td>15</td></tr><tr><td colspan="2" style="text-align: right;">Total credits</td><td>175</td></tr></tbody></table>3. Academic Section to provide Templates for tentative scheme of teaching and evaluation as decided in the JBOS.4. The respective Board of Studies to organize workshop/s regarding proposed AICTE model curriculum and to prepare the model	Sl No	Category	Prescribed credits	1	Humanities and Social Sciences including Management courses. [Kannada: 01 credit, English: 02 credit, CIPH: 01 credit, Management: 03 credits.]	07	2	Basic Science courses	25	3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.,	24	4	Professional core courses	80	5	Professional Elective courses relevant to chosen specialization/branch	15	6	Open subjects – Electives from other technical and /or emerging subjects	09	7	Project work, seminar and internship in industry or elsewhere. [Seminar: 01 credit, Project: 05 credit, Internship: 09 credits]	15	Total credits		175
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		<p>scheme of teaching and examination based on the outcome of the workshop/s.</p> <p>5. It was proposed to conduct one day workshop to all the Chairmen & Members, Board of Studies on AICTE-Model Curriculum.</p> <p>6. Call for a meeting of chair persons of Basic Sciences, Humanities, board including the Chairmen of EEE, ECE, Mech and Civil boards for deliberation on the preparation of scheme of Teaching and Examination, and syllabus for 1st year B.E and B.Arch Programmes.</p> <p>7. B. Arch - To be confirmed by the Chairman, BOS in Architecture in consultation with COA. Chairman of B. Arch to propose scheme of Teaching and Examination, and syllabus of both UG and PG consultation with COA.</p>
Agenda -4	:	Finalization of III to VIII Semester Syllabus for 2017-18 Scheme.
Resolution	:	All Chairmen are to submit the final consolidated copy of syllabus only with minor changes in the contents in line with 2015-16 higher semester syllabus on or before 30-03-2018 without fail
Agenda -5	:	Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/ Eligibility to first year or higher semester.
Resolution	:	<p>(a) Recommended to follow the prevailing scheme for UG Programme. However an equivalence regarding scheme of study to be obtained from Chairman of concerned board.</p> <p>(b) Also recommended for PG Programme students who were admitted in 2016-17 and could not attend the higher semester classes during the academic year 2017 -18 and eligible now should attend the classes with 2017-18 scheme batch students. However, these students have to follow 2016-17 scheme of teaching and Examination and not the prevailing scheme of teaching and Examination.</p>
Table Agenda		
Table Agenda-1	:	An Alternate Question Paper Pattern for 2017 Scheme CBCS Batch.
Resolution	:	Resolved to follow the present pattern that is in place.
Table Agenda-2	:	Regulations Governing the Degree of Doctor of Philosophy (Ph.D)- Amended-2014.
Resolution	:	<p>(a) Issue about the qualifications for Research Supervisor for Ph.D (Architecture) to be referred to Research committee for consideration.</p> <p>(b) Issue about the Ph.D comprehensive viva – voce to be referred to Research committee for consideration.</p>
Table Agenda-3	:	Inclusion of Kannada as one credit course for III semester B. Arch Programme from academic year 2018-19.
Resolution	:	To include Kannada as one of the credit course for B.Arch Programme from academic year 2018-19.
Table Agenda-4	:	Number of ranks to be limited to 50% or less for programme offered in only one Institution.
Resolution	:	To abide by the existing regulations.
Table Agenda-5	:	Providing Subject wise University Aggregate Results

Resolution	:	University to publish Subject wise Aggregate Results so that the institutions can access the same through Principal's login.																										
Table Agenda-6 & 7	:	Clarification regarding Internship. Formulation of Modalities/Guidelines for UG Internship (2015-16 Scheme).																										
Resolution	:	(a) Four week Internship during 6 th and 7 th and/or 7 th and 8 th Semester vacation period. (b) The examination on Internship to be conducted in line with University project viva -voce examinations. (c) Amend (modify) the existing 2015 -16 regulations governing the internship i.e., 15OB.9																										
Table Agenda-7	:	Book Exhibition and Inclusion of one Librarian to BoS Meetings.																										
Resolution	:	(a) To organize Book Exhibition at VTU Regional office, Bengaluru and VTU Campus, Belagavi. (b) To Invite one librarian to BoS Meetings to assist the Board of Studies to assist to select/propose Reference books and Text Books.																										
Table Agenda- 8	:	Action Plan for Implementation of quality initiatives of AICTE including revised curriculum																										
Resolution	:	It is resolved to write a letter to Ministry of Human Resource Development, Department of Higher Education, Government of India regarding the Action Plan Timeline of Implementation of AICTE Model Curriculum the timeline as follows:																										
		<table border="1"> <thead> <tr> <th>Sr.No</th> <th>Activity</th> <th>Time Line</th> </tr> </thead> <tbody> <tr> <td rowspan="4">1.</td> <td rowspan="4">Inviting Board of Studies Meeting <ul style="list-style-type: none"> Examining existing curriculum Examining AICTE Model curriculum for its suitability Revision of curriculum incorporating model curriculum suggested by AICTE Identifying PEO, PO, CO </td> <td>02/02/2018</td> </tr> <tr> <td>14/02/2018</td> </tr> <tr> <td>16/04/2018</td> </tr> <tr> <td>16/04/2018</td> </tr> <tr> <td rowspan="2">2</td> <td rowspan="2">Formation of Industry Consultation Committee (ICC) <ul style="list-style-type: none"> Examining curriculum for its suitability of Industry demand. Vetting of PEO, PO, CO </td> <td>15/03/2018</td> </tr> <tr> <td>02/05/2018</td> </tr> <tr> <td>3</td> <td>Preparation of Training Plans for Teachers</td> <td>05/05/2018</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">Inviting Academic Council Meeting <ul style="list-style-type: none"> Approval of revised (model) curriculum Approval to teachers training plans </td> <td>10/05/2018</td> </tr> <tr> <td>10/05/2018</td> </tr> <tr> <td>5</td> <td>Orientation workshop for faculty for implementation of revised curriculum</td> <td>15/05/2018 – 20/06/2018</td> </tr> <tr> <td>6</td> <td>Implementation of curricular retrospectively w.e.f Academic Session 2018-2019</td> <td>01/08/2018</td> </tr> </tbody> </table>	Sr.No	Activity	Time Line	1.	Inviting Board of Studies Meeting <ul style="list-style-type: none"> Examining existing curriculum Examining AICTE Model curriculum for its suitability Revision of curriculum incorporating model curriculum suggested by AICTE Identifying PEO, PO, CO 	02/02/2018	14/02/2018	16/04/2018	16/04/2018	2	Formation of Industry Consultation Committee (ICC) <ul style="list-style-type: none"> Examining curriculum for its suitability of Industry demand. Vetting of PEO, PO, CO 	15/03/2018	02/05/2018	3	Preparation of Training Plans for Teachers	05/05/2018	4	Inviting Academic Council Meeting <ul style="list-style-type: none"> Approval of revised (model) curriculum Approval to teachers training plans 	10/05/2018	10/05/2018	5	Orientation workshop for faculty for implementation of revised curriculum	15/05/2018 – 20/06/2018	6	Implementation of curricular retrospectively w.e.f Academic Session 2018-2019	01/08/2018
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The Meeting concluded with thanks by the chair.


Registrar


Vice-Chancellor:

**Joint Board of Studies Meeting held on 17th September 2018 at Senate Hall, VTU
Regional Center Kalaburagi at 11.00am**

Members Present:

1. Dr. Karisidappa, Chairman JBOS and Honorable Vice chancellor, VTU, Belagavi.
2. Dr. H. N. Jagannatha Reddy, Registrar, VTU, Belagavi.
3. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU Belagavi, and Principal, Nitte Meenakshi Institute of Technology, Bengaluru
4. Dr. Satish Annigeri, Registrar (Evaluation), VTU, Belagavi
5. Dr. C N Chandrappa, Executive Council Member and Special Invitee, VTU, Belagavi.
6. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi & Principal, KLE Institute of Technology, Hubballi
7. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences, VTU, Belagavi.
8. Dr. Srinivas Rao Kunte, Chairman, BOS in E and C, VTU, Belagavi.
9. Dr. R. P. Reddy, Chairman, BOS in Mech. Engineering, VTU, Belagavi.
10. Dr. Aswath M. U., Chairman, BOS in Civil Engineering, VTU, Belagavi.
11. Dr. N.Chowdappa, Chairman, BOS in Library and Information Science, VTU, Belagavi.
12. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
13. Dr. Omprakash S Bawane, Chairman, BOS in Architecture, VTU, Belagavi.
14. Dr. Nandakishore, Chairman, BOS in Automobile Engineering, VTU, Belagavi.
15. Dr. S. M Gopinath, Chairman BOS in Biotechnology, VTU, Belagavi.
16. Dr. Shobha Savanur, Chairperson, BOS in E and E, VTU, Belagavi.
17. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics and Instrumentation Engineering of VTU, Belagavi.
18. Dr. U. Bhojanna, Chairman, BOS in Business Administration, VTU, Belagavi.
19. Dr. Ramakrishna in place of Dr. M. C. Jagath, Chairman, BOS in IPE, VTU, Belagavi.
20. Dr. Murugesh Babu, Chairman, BOS in Silk and Textile Technology, VTU, Belagavi.
21. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering and Polymer Science, VTU, Belagavi
22. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology, VTU, Belagavi.
23. Dr. H.S Dayananda, Chairman, BOS Humanities, VTU, Belagavi.
24. Prof. V. Keshava Murthy, Academic Advisor, VTU Regional office, Bengaluru.
25. Dr R. Prabhakara, Professor, Emeritus and Advisor Academic and Admin section, VTU, Belagavi.
26. Prof. Vaman Gudi, Cambridge Institute of Technology north campus Bangalore – Special Invite

Members Absent:

1	Dr. D. S. Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi.
2	Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engineering of VTU, Belagavi.

Agenda

1. To get approval for the 1st year B.E/B.Arch 2018 Scheme and Syllabus.
2. To get approval for the B.E/B.Arch 2018 Regulations
3. Finalization of M.Tech., MBA, MCA and M.Arch. 2018 Scheme and Syllabus.
4. Finalization of M.Tech., MBA, MCA and M.Arch. 2018 Regulations
5. Finalize introduction of Cyber Law Course at UG level as per recommendation of KSHEC Bengaluru
6. To discuss on the course offered by National Power Training Institute Faridabad equivalent to 3 credits of B.E. programme.
7. Finalize the Scheme and Syllabus submitted by EC/CS/E and IE Composite board prepared for PG Programme M.Tech. in Artificial Intelligence and Machine Learning @VIAT Muddenahalli
8. Equivalence of Subjects for the students switching from Non-CBCS to CBCS and vice-versa
9. i) To discuss and finalize the grouping of course work subject for Ph.D. programme from 2018
ii) To discuss and revise the VTU ETR Syllabus for Ph.D./M.Sc. (Engg.) by Research 2018
10. Any other matter with the permission of the chair.

Table Agenda:

1. Equivalence Certificate for B.E. Electronics and Communication Engineering is equivalent to Electronics Engineering
2. Additional requirement for earning 4/5 year Degree Programme Activity points
3. Proposal for starting M.Tech. Food Technology course. Submitted by Jyothy Institute of Technology, Bangalore
4. Request to change the Nomenclature from Telecommunication Engineering to "Electronics and Telecommunication Engineering".
5. Exemption of Constitution of India Professional Ethics and Human Rights of 2015-16 scheme. Who have admitted in 2017-18 scheme.
6. Recomposite of Mathematics, Aptitude and subject proposed Mathematics 20, Aptitude 10 and subject 70 for Ph.D. Entrance Exam
7. Consideration of request not to have Mathematics part for Architecture ETR Ph.D. entrance Test
8. Eligibility of Diploma courses for B.E. Aeronautical Engg/Aerospace Engg and Bio-Medical Engineering Letter received from D.T.E., Bangalore
9. B.E. Multidisciplinary projects for final year students
10. B.E. Hon's

Agenda with the permission of the Chair

1. Consideration of Diploma completed graduates students not less than with Five year of experience(as per norms of Karnataka Factories Rules,1969) for admission of post graduate diploma in Industrial Safety Management @ International Institute of Industrial Safety Management Bangalore, VTU Extension Centre

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, Chairpersons of BOS and also Special invitees, and requested the Honorable Vice-Chancellor for the further proceedings. Honorable Vice-Chancellor welcomed chairpersons of BoS and Special Invitees and requested for their active participation, discussions and fruitful conclusions. The proceedings of meeting are as follows:

Agenda -1	:	To get approval for the 1 st year B.E/B. Arch 2018 Scheme and Syllabus
Resolution	:	Approved the Scheme of Teaching and Examinations, and Syllabus for 1 st year BE/B.Tech/B. Arch 2018 -19 batch
Agenda -2	:	To get approval for the B.E/B.Arch 2018 Regulations
Resolution	:	Approved the Regulations 2018 -19 governing BE/B.Tech and B.Arch programmes
Agenda -3	:	Finalization of M.Tech. MBA, MCA and M.Arch. 2018 - 19 Scheme and Syllabus.
Resolution	:	Approved the PG programmes Scheme of Teaching and Examination and Syllabus.
Agenda -4	:	Finalization of M.Tech., MBA, MCA and M.Arch. 2018 Regulations
Resolution	:	Approved the PG Regulations 2018 -19.
Agenda -5	:	Finalize introduction of Cyber Law Course at UG level as per the recommendation of KSHEC Bengaluru
Resolution	:	To include Cyber Law under the fifth module of the course titled Constitution of India, Professional Ethics and Cyber Law.
Agenda -6	:	To discuss on the course offered by National Power Training Institute Faridabad equivalent to 3 credits of B.E. programme.
Resolution	:	(a) Resolved to consider the online certification course offered by National Power Training Institute, Faridabad to be equivalent to 3 credits of BE/B.Tech programme. (b) The credits earned by students through NPTI online programme shall be considered for the award of Under Graduate degree with Honours. [To be read with the resolution of Table Agenda-12]
Agenda -7	:	Finalize the Scheme and Syllabus submitted by EC/CS/E and IE Composite board prepared for PG Programme M.Tech. in Artificial Intelligence and Machine Learning @VIAT Muddenahalli
Resolution	:	(a) Approved the scheme of teaching and examination, and syllabus of M.Tech in Artificial Intelligence and Machine Learning.

		(b) As, the programme titled M.Tech. in Artificial Intelligence and Machine Learning is not in the list of AICTE Post Graduate Degree in Engineering and Technology, the Registrar shall seek approval for the same from AICTE.
Agenda -8	:	Equivalence of Subjects for the students switching from Non-CBCS to CBCS and vice-versa.
Resolution	:	(a) Board of Studies to prepare programme wise list of equivalent UG courses (UG). (b) Board of Studies to propose equivalent courses for PG programmes case by case when sought by the Registrar, VTU.
Agenda -9	:	i) To discuss and finalize the grouping of course work subject for Ph.D. programme from 2018. ii) To discuss and revise the VTU ETR Syllabus for Ph.D./M.Sc (Engg.) by Research 2018
Resolution	:	i) (a) Each candidate provisionally registered for the Ph.D programme shall have to go through the prescribed coursework choosing four courses out of which the course Research Methodology and IPR shall be compulsory. The remaining three courses shall be pertaining to the candidates research work as decided by the Doctoral Committee. (b) Courses for the coursework shall be selected from the list of courses under six different groups 1 to 6. (c) The groups shall have courses in the relevant areas as approved by the Board of Studies concerned and approved by Academic Council. (d) Each candidate provisionally registered for the M.Sc (Engineering by research) shall have to go through the prescribed coursework choosing six courses out of which the course Research Methodology and IPR shall be compulsory. The remaining five courses shall be pertaining to the candidates research work as decided by the Doctoral Committee. Courses for the coursework shall be selected from the list of courses under six different groups 1 to 6. (ii) The topics for Ph.D. VTU ETR for Ph.D/M.Sc (Engineering) by Research Examinations 2018 shall be covered by Mathematics, Aptitude and Subject of specialization. The syllabus for mathematics and Subjects of specialization shall be furnished by the corresponding Board of Studies. The syllabus for Aptitude shall be framed by Prof. V Keshava Murthy, VTU and Dr.R. Prabhakar, VTU. (iii) The clause Ph.D 14.1 (d) shall be suitably amended to address the decision of JBOS in this regard.

Table Agenda

With the permission of the chair, the following issues were taken up for discussion

Table Agenda-1	:	Equivalence Certificate for B.E. Electronics and Communication Engineering is equivalent to Electronics Engineering
Resolution	:	B.E. Electronics and Communication Engineering of VTU shall be considered as equivalent to B.E. in Electronics Engineering.

Table Agenda-2	:	Additional requirement for earning 4/5 year Degree Programme Activity points
Resolution	:	Implement AICTE Activity points programme to the 2018-19 scheme students for the award of BE/B.Tech Degree. The Activity of each student to earn the Activity points shall duly be monitored by NSS/NCC/Sports/ Sansad Adarsh Gram Yojana (SAGY) Coordinator or Training and Placement Officer (TPO) of the Institute assisted by the mentors of the students. The Principal shall send the Activity points of each student along with the CIE marks of eighth semester. For the award of degree, every student shall earn the AICTE prescribed Activity points.
Table Agenda-3	:	Proposal for starting M.Tech. Food Technology course. Submitted by Jyothy Institute of Technology, Bangalore
Resolution	:	(a) To inform Jyothy Institute of Technology, Bengaluru to resubmit the proposal for starting M.Tech. Food Technology programme as per the VTU Postgraduate Scheme of Teaching and Examination 2018 -19. (b) Board of Studies in Bio-Technology Board to scrutinize the proposal and submit its recommendation on the application for starting M.Tech. Food Technology programme.
Table Agenda-4	:	Request to change the Nomenclature from Telecommunication Engineering to "Electronics and Telecommunication Engineering".
Resolution	:	(a) Approved to change the existing nomenclature of the programme Telecommunication Engineering to "Electronics and Telecommunication Engineering". (b) Change in nomenclature shall come into effect from the academic year 2019 -20. (c) The degree certificate to show the degree as "Electronics and Telecommunication Engineering" (previously Telecommunication Engineering).
Table Agenda-5	:	Exemption of Constitution of India Professional Ethics and Human Rights of 2015-16 scheme. Who have admitted in 2017-18 scheme.
Resolution	:	Exempt the students who have studied and passed Constitution of India Professional Ethics and Human Rights under 2015-16 scheme and got readmitted to 3 rd /4 th semester under 2017 scheme. It is also resolved to consider One (1) credit for the same in Grade Card.
Table Agenda-6	:	Recomposite of Mathematics, Aptitude and subject proposed Mathematics 20, Aptitude 10 and subject 70 for Ph.D. Entrance Exam
Resolution	:	The maximum marks for Ph.D. VTU ETR for Ph.D./M.Sc. (Engineering) by Research Examinations 2018 shall be 100 marks. The distribution of marks shall be as indicated below. <ul style="list-style-type: none"> • Questions on Mathematics: 20 Marks • Questions on Aptitude: 20 Marks • Questions on the Subject of specialization: 60 Marks.
Table Agenda-7	:	Consideration of request not to have Mathematics part for Architecture ETR Ph.D. entrance Test
Resolution	:	(a)The syllabus content of mathematics for Architecture ETR Ph.D. entrance Test shall be Basic Trigonometry and Probability and Statistics.

**Joint Board of Studies Meeting held on 27th March 2018 at
Executive Council Meeting Hall, Belagavi at 11.00am**

Members Present:

1	Dr. Karisiddappa, Chairman JBoS and Hon'ble Vice-Chancellor, VTU, Belagavi.
2	Dr. H. C. Nagaraj, Dean Faculty of Engineering VTU, Belagavi & Principal, Nitte Meenakshi Institute of Technology, Bengaluru.
3	Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
4	Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
5	Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engineering of VTU, Belagavi.
6	Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
7	Dr. Aswath M. U., Chairman, BOS in Civil Engineering of VTU, Belagavi.
8	Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
9	Dr. Shobha Savanur, Chairman, BOS in E & E of VTU, Belagavi.
10	Dr. Mallikarjun S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi.
11	Dr.U. Bhojanna, Chairman, BOS in MBA of VTU, Belagavi.
12	Dr. R. P. Reddy, Chairman, BOS in Mechanical Engineering of VTU, Belagavi.
13	Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi.
14	Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belagavi.
15	Dr. Nandakishore, Chairman, BOS in Automobile Engineering of VTU, Belagavi.
16	Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi.
17	Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi.
18	Dr. H.S. Dayananda, Chairman, BOS Humanities of VTU, Belagavi.
19	Dr. Satish Annigeri, Registrar (Evaluation), VTU, Belagavi.
20	Dr. H.N. Jagannatha Reddy, Member Secretary JBoS and Registrar, VTU, Belagavi.
21	Prof.V.Keshava Murthy, Special Invitee, Department of E&E, Dr.Ambedkar Institute of Technology, Bengaluru.
22	Dr. R Prabhakara, Former Prof and Head MSRIT, Bengaluru.
23	Dr. C N Chandrappa , Special Invitee, Acharya Institute of Technology, Bengaluru
24	Dr Vaman Gudi , Special Invitee, Dept of E&C, Cambridge Institute of Technology, Bengaluru

Members on Leave:

1	Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi.
2	Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.

Agenda

1. Finalization of 1st year Scheme for 2018-19 UG and PG Curriculum and Timeline for submission of Syllabus is enclosed.
2. Guidelines for Framing the regulations for 2018-19 Scheme (The 2017-18 Scheme Regulation is placed on file for reference)
3. Introduction of Bachelor's of Vocation as per AICTE Syllabus and Guidelines
4. Any other matter with the permission of the chair.

Table Agenda:

1. Implementation of Scientific Perspective and History on Modern Science Course in UG Level (as per the Government order ED 113 UNI 2017, dtd: 05.03.2018).
2. Consideration of M.Sc and B.Sc graduates for the admission of Post Graduate D in Industrial Management-PGDISM for IISM College (University has a MoU with this college for the award of degree).
3. The Eligibility Criteria for the admissions of MBA, MCA, ME and M.Tech and also the Criteria for the candidates passed through Open University/ Correspondence Course.

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, Chairpersons of BOS and also Special invitees and presented the salient features of the model AICTE curriculum along with

- Proceedings of the Joint BoS meeting held on 14th February 2018 at VTU, Regional Office, Bengaluru.
- Proceedings of the One Day Workshop on "AICTE Model Curriculum" for UG and PG Programs held on 12th March 2018 at BMSCE, Bengaluru.

He requested the Honorable Vice-Chancellor for the further proceedings. Honorable Vice-Chancellor, Dr. Karisiddappa welcomed and requested all the chairpersons of BoS and Special Invitees for their active participation, discussions and fruitful conclusions. The outcomes of the deliberations in the form of resolutions are listed against each agenda.

Agenda -1	: Finalization of 1 st Year scheme for 2018-19 UG and PG curriculum								
Resolution	Revise the scheme of Teaching and Examination, and syllabus for UG programs from the academic year 2018-19 in line with AICTE model curriculum and implement the scheme in compliance with the following.								
Agenda -1 Resolution (continued)	<p>A. UG Programs</p> <p>(UG.a) : UG Programs Credits</p> <table border="1"> <thead> <tr> <th colspan="2">Table.1 Credits for the UG Programs starting from the academic year 2018 - 19</th> </tr> <tr> <th>Programs</th> <th>Credits</th> </tr> </thead> <tbody> <tr> <td>B.E/ B.Tech/ Textiles/ Bio Tech/ B. Plan (All 4 years)</td> <td>175</td> </tr> <tr> <td>B. Arch (5 years)</td> <td>260</td> </tr> </tbody> </table> <p>(UG.b): Three weeks mandatory Induction Programme</p> <p>(UG.c): Duration of I semester to be 18 weeks. The exact duration shall be intimated by Registrar (Evaluation) with reference to the period required for conducting of University examinations.</p> <p>(UG.d): Period of vacation after I semester University examination to be decided with reference (c). Preferable to reduce the present vacation period by 2 weeks.</p> <p>(UG.e): The credits for I and II semesters to be around 19 and 21 respectively.</p> <p>(UG.f):</p> <ol style="list-style-type: none"> Formulate the syllabus of Physics, Chemistry and Mathematics that are appropriate for all the programs with due consideration to the PUC and XII Standard syllabi. Dr.A. T. Eswara, Chairman of Basic Science Board of Studies to convene a meeting of Chairpersons of BOS in EEE, ECE, Mechanical Engineering, Civil Engineering and Humanities on or before 10th April 2018 to finalize the syllabus of Physics, Chemistry and Mathematics. <p>(UG.g) : The course, Engineering Graphics be shifted to 1st year with sketching compulsory.</p> <p>(UG.h) : The mandatory courses Constitution of India and Professional Ethics, Environmental Studies, and Kannada shall be offered in III & IV semesters.</p> <p>(UG.i) : Number of courses from III to VI semesters to be</p> <ul style="list-style-type: none"> • 06 theory and 02 laboratories for Engineering programs and • 05 theory and 03 laboratories for Textile programme. 	Table.1 Credits for the UG Programs starting from the academic year 2018 - 19		Programs	Credits	B.E/ B.Tech/ Textiles/ Bio Tech/ B. Plan (All 4 years)	175	B. Arch (5 years)	260
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**Agenda -1
Resolution
(continued)**

(UG.j) : The UG, BE/B.Tech. to have

- one mandatory internship and
- Internship or mini – project during VI semester.

(UG.k) :

- (a) The mandatory non – credit courses Diploma Mathematics I and II prescribed at III and IV semesters respectively, to lateral entry Diploma holders admitted to III semester of BE/B.Tech programs shall compulsorily be registered during respective semesters to complete all the formalities of the course and appear for University examination.
- (b) The mandatory non-credit courses Diploma Mathematics I and II, prescribed to lateral entrant Diploma holders admitted to III semester of BE/B.Tech programs, are to be completed to secure eligibility to VII semester. However, they are not considered for vertical progression from II year to III year of the programme but considered as head of passing along with credit courses of the programme to eligibility to VII semester.

(UG.l) : Chairpersons of BOS to organize workshops in their respective field of specialization to debate and evolve, based on the outcome, the scheme of Teaching and Examination for all the semesters.

(UG.m) : The academic section to issue templates for tentative UG scheme of teaching and examination.

B. PG Programs

Revise the scheme of Teaching and Examination, and syllabus for PG programs from the academic year 2018-19 in line with AICTE model curriculum and implement the scheme in compliance with the following.

(PG.a) : PG Programs Credits

Credits for the PG Programs starting from the academic year 2018 - 19	
Programs	Credits
M.Tech.	72
MBA	102
MCA	125
M.Arch.	100

(PG.b) : The ratio of evaluation of SEE and CIE be 60:40.

(PG.c) : Courses for M.Tech programs shall be

- 05theory, 01 laboratory and Technical seminar for I semester.
- 05theory, 01 laboratory and mini- project/internship for II semester.
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- Dissertation and Technical seminar for IV semester.

Agenda -1
Resolution
(continued) : (PG.d) : The academic section to issue templates for tentative PG scheme of teaching and examination.
C. Calendar of events for different activities of UG and PG Programs.

Calendar of events	
Particulars	Last Date/Duration
Submission of tentative Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs.	19 th April 2018
Publication of tentative Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs on University website for Feedback	21 th April 2018 to 30 th April 2018 for Feedback
Mandatory workshop to be conduct on Scheme(2018-19) by each BOS	Between 1 st May 2018 and 20 th May 2018
Submission of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs University(by E-Mail)	23 rd May 2018
Publication of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs on University website.	25 th May 2018
Presentation of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs before AS and EC for approval.	Last week of May 2018 or First week of June 2018

Agenda -2 : **Guidelines for framing the regulations for 2018-19 schemes.**

Resolution :

- Frame the VTU Regulations 2018-19 of different programs by incorporating appropriate changes in the existing Regulations 2017-18.
- The framing of VTU Regulations 2018-19 to be completed by Prof.V.Keshava Murthy, Dr. R. Parahakara and Sri. Vaman Gudi, all Special Invitees to JBOS.

Agenda -3 : **Introduction of Bachelor's of Vocation as per AICTE Syllabus and Guidelines.**

Resolution :

a. A committee under the chairmanship of Dean, Faculty of Engineering to submit a report detailing the procedure for the institution of Bachelors of Vocation at VTU and other affiliated institutions.

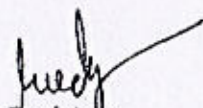
Agenda -3 Resolution (continued)	<p>b. Amend a clause to VTU statutes in respect of institution of Bachelors of Vocation programme.</p> <p>c. Seek concurrence from Government of Karnataka with respect to institution of Bachelors of Vocation programme, fees structure etc.</p>
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Table Agenda

With the permission of the chair, the following issues were taken up for discussion

Table Agenda-1	: Implementation of Scientific Perspective and History on Modern Science Course in UG Level (as per the Government order ED 113 UNI 2017, dated 05.03.2018).
Resolution	: Dr. H.S. Dayananda , Chairman , BOS Humanities of VTU, Belagavi to submit a report about the feasibility of introducing the above said course at the earliest.
Table Agenda-2	: Consideration of M.Sc and B.Sc graduates for the admission of Post Graduate Diploma in Industrial Management-PGDISM offered at IISM College (University has a MoU with this college for the award of degree).
Resolution	: Recommended to permit the M.Sc and B.Sc Graduates for the admission to Post Graduate Diploma in Industrial safety Management-PGDISM offered at IISM College (University has a MoU as an extension center with this college for the award of Postgraduate Diploma).
Table Agenda-3	: The Eligibility Criteria for the admissions to MBA, MCA, and M.Tech and also the Criteria for the candidates who have passed through Open University/ Correspondence Course.
Resolution	: Respective BOS chairpersons to submit the eligibility criteria for admission to the concerned Programme as per UGC/AICTE norms by 05 th April to Registrar, VTU for on word submission to Karnataka Examination Authority, Bengaluru.

The Meeting concluded with thanks by the chair.


Registrar


Vice-Chancellor

Agenda -1
Resolution
(continued)

(PG.d) : The academic section to issue templates for tentative PG scheme of teaching and examination.

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(continued)**

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The Meeting concluded with thanks by the chair.


Registrar


Vice-Chancellor

**Joint Board of Studies Meeting held on 17th September 2018 at Senate Hall, VTU
Regional Center Kalaburagi at 11.00am**

Members Present:

1. Dr. Karisidappa, Chairman JBOS and Honorable Vice chancellor, VTU, Belagavi.
2. Dr. H. N. Jagannatha Reddy, Registrar, VTU, Belagavi.
3. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU Belagavi, and Principal, Nitte Meenakshi Institute of Technology, Bengaluru
4. Dr. Satish Annigeri, Registrar (Evaluation), VTU, Belagavi
5. Dr. C N Chandrappa, Executive Council Member and Special Invitee, VTU, Belagavi.
6. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi & Principal, KLE Institute of Technology, Hubballi
7. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences, VTU, Belagavi.
8. Dr. Srinivas Rao Kunte, Chairman, BOS in E and C, VTU, Belagavi.
9. Dr. R. P. Reddy, Chairman, BOS in Mech. Engineering, VTU, Belagavi.
10. Dr. Aswath M. U., Chairman, BOS in Civil Engineering, VTU, Belagavi.
11. Dr. N.Chowdappa, Chairman, BOS in Library and Information Science, VTU, Belagavi.
12. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
13. Dr. Omprakash S Bawane, Chairman, BOS in Architecture, VTU, Belagavi.
14. Dr. Nandakishore, Chairman, BOS in Automobile Engineering, VTU, Belagavi.
15. Dr. S. M Gopinath, Chairman BOS in Biotechnology, VTU, Belagavi.
16. Dr. Shobha Savanur, Chairperson, BOS in E and E, VTU, Belagavi.
17. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics and Instrumentation Engineering of VTU, Belagavi.
18. Dr.U. Bhojanna, Chairman, BOS in Business Administration, VTU, Belagavi.
19. Dr. Ramakrishna in place of Dr.M. C. Jagath, Chairman, BOS in IPE, VTU, Belagavi.
20. Dr. Murugesh Babu, Chairman, BOS in Silk and Textile Technology, VTU, Belagavi.
21. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering and Polymer Science, VTU, Belagavi
22. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology, VTU, Belagavi.
23. Dr. H.S Dayananda, Chairman, BOS Humanities, VTU, Belagavi.
24. Prof.V.Keshava Murthy, Academic Advisor, VTU Regional office, Bengaluru.
25. Dr R. Prabhakara, Professor, Emeritus and Advisor Academic and Admin section, VTU, Belagavi.
26. Prof. Vaman Gudi, Cambridge Institute of Technology north campus Bangalore – Special Invite

Members Absent:

1	Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi.
2	Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engineering of VTU, Belagavi.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

ಟಿಪ್ಪಣಿ ಪುಟ :

ಪುಟ ಸಂಖ್ಯೆ :1.....

ಕಡತದ ಸಂ. :

ದಿನಾಂಕ : 01/02/2018

ವಿಭಾಗ

ವಿಷಯ : JBOS Meeting Items Approval - reg

Academic

Submitted:

It is proposed to conduct the **Joint Board of Studies**

Meeting with the following agenda:

- The CBCS scheme for PG programmes was introduced during 2016-17 by revising the curriculum accordingly. Due to reconsideration in the SGPA and CGPA calculations two Regulations are in place for PG programmes that is the students admitted to PG programmes during 2016-17 and 2017 - 18 are governed by the different regulations. However there is no change in the content of syllabus except the course codes. In regular practice the course content will be revised once in two years for PG and once in 4 years for UG programmes. So as the revision in course content is due for PG programmes for 2018-19 and also whether to revise SEE and CIE in the ratio of 60:40 for PG Programmes.
- Review of Model Curriculum for UG Programme Designed by AICTE.
- Review & Implementation of Model Curriculum for PG Programme Designed by AICTE from 2018-19.
- Finalization of 3rd to 8th Semester Syllabus for 2017-18 Scheme
- Regulations and Scheme to be followed for 2016-17 batch students in case of re-admission/Eligibility to first year or higher semester at later stage.
 - a) These Students are governed by 2015-16 regulation and scheme, but currently 2017-18 scheme is in place or first year.

Hence, it is requested to suggest the date and venue of the meeting of Joint BoS.

For kind orders & directions,

Office Suptd:

[Signature] 01/02/18

SO: submitted for kind directions & orders - 01/02/18

Registers: For kind approval *[Signature]*
(dt 14/02/18 @ 11 AM at Blue Ro)

VC):

Approved to conduct on 14.2.18 at Blue Ro.
[Signature]
1.2.18



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

ಟಿಪ್ಪಣಿ ಪುಟ :

ಪುಟ ಸಂಖ್ಯೆ :1.....

ಕಡತದ ಸಂ. :

ದಿನಾಂಕ : 01/02/2018

ವಿಭಾಗ

ವಿಷಯ : ~~Approval for inclusion of some additional names in the organizing committee for JAGRUTI- A Techno-Educative-Mela by VFU at Bengaluru & Hubballi-reg~~

Academic

Permissior to conduct JBOS. ...

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It is proposed to conduct the **Joint Board of Studies**

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For kind orders & directions,

Office Suptd: 01/2/18

Special Officer: submitted for kind orders 01/2/18

leg: For kind approval 01/2/18
[dat 14/02/18 @ 11 AM, Blore Ro]

ve)

Proceedings of the **Joint BoS meeting held on 14th February 2018** at VTU, Regional Office,
Bengaluru

Members Present:

1. Prof.V.Keshava Murthy, Special Invitee, Dept., of E&E, Dr.Ambedkar Institute of Technology, Bengaluru.
2. Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi
3. Prof.Vaman B Gudi, Special Invitee, Professor, Dept., of E&C , Cambridge Institute of Technology, Bengaluru
4. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
5. Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engg., of VTU, Belagavi.
6. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
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18. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi
19. Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi
20. Dr. Sateesh Annigeri, Registrar (Evaluation), VTU, Belagavi

Agenda:

1. Revision of PG Syllabus, SEE and CIE Ratio for 2018-19.
2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19.
3. Review of Model Curriculum for UG Programme designed by AICTE.
4. Finalization of 3rd to 8th Semester Syllabus for 2017-18 Scheme.
5. Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/ Eligibility to first year or higher semester.
6. Any other matter with the permission of the chair.

Table Agenda:

1. An Alternate Question Paper Pattern for 2017 Scheme CBCS Batch.
2. Regulations Governing the Degree of Doctor of Philosophy (Ph.D)- Amended-2014.
3. To include Kannada as one of the credit course for B.Arch Programme from academic year 2018-19
4. Number of ranks to be limited to 50% or less for programmes offered in only one Institution.
5. Providing Subject wise University Aggregate Results.
6. Clarification regarding Internship.
7. Formulation of Modalities/Guidelines for UG Internship (2015-16 Scheme).

Minutes of the Meeting:

Dr. H.N. Jagannatha Reddy, Registrar welcomed the Hon'ble Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, all the Chairmen of Board of Studies and also Special invitees Prof. V. Keshava Murthy and Dr. D.S. Suresh. He requested the Hon'ble Vice-Chancellor for further proceedings.

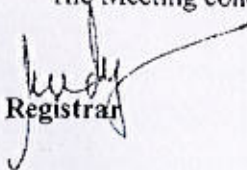
Hon'ble Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members and requested members for active discussions as the agenda items. After detailed deliberations, the following resolutions were made.

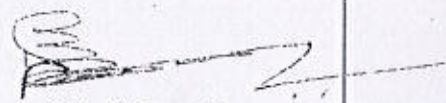
Agenda -1 & 2	:	1. Revision of PG Syllabus, SEE and CIE Ratio for 2018-19. 2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19																											
Resolution	:	(a) Recommended to revise the scheme and syllabus of PG programs for the academic year 2018-19 in line with AICTE model curriculum with following recommendations: 1. Marks division for CIE and SEE to be in the ratio 40:60. 2. Programme credits for the award of degree: ➤ M.Tech. - 72 ➤ MBA - 102 ➤ MCA - 125 ➤ M. Arch - To be confirmed by the Chairman, BOS in Architecture in consultation with COA.																											
Agenda -3	:	3. Review of Model Curriculum for UG Programme designed by AICTE.																											
Resolution	:	(a) Recommended to revise the UG BE/B.Tech programme scheme of Teaching and Examination, and Syllabus in line with AICTE model curriculum and proposed to implement the same from the academic year 2018-19 with the following recommendations: 1. Conduct Three weeks mandatory Induction Programme. 2. Prepare the UG BE/B.Tech programme scheme of Teaching and Examination with the following structure: <table border="1"><thead><tr><th>Sl No</th><th>Category</th><th>Prescribed credits</th></tr></thead><tbody><tr><td>1</td><td>Humanities and Social Sciences including Management courses. [Kannada: 01 credit, English: 02 credit, CIPH: 01 credit, Management: 03 credits.]</td><td>07</td></tr><tr><td>2</td><td>Basic Science courses</td><td>25</td></tr><tr><td>3</td><td>Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.,</td><td>24</td></tr><tr><td>4</td><td>Professional core courses</td><td>80</td></tr><tr><td>5</td><td>Professional Elective courses relevant to chosen specialization/branch</td><td>15</td></tr><tr><td>6</td><td>Open subjects – Electives from other technical and /or emerging subjects</td><td>09</td></tr><tr><td>7</td><td>Project work, seminar and internship in industry or elsewhere. [Seminar: 01 credit, Project: 05 credit, Internship: 09 credits]</td><td>15</td></tr><tr><td colspan="2">Total credits</td><td>175</td></tr></tbody></table> 3. Academic Section to provide Templates for tentative scheme of teaching and evaluation as decided in the JBOS. 4. The respective Board of Studies to organize workshop/s regarding proposed AICTE model curriculum and to prepare the model	Sl No	Category	Prescribed credits	1	Humanities and Social Sciences including Management courses. [Kannada: 01 credit, English: 02 credit, CIPH: 01 credit, Management: 03 credits.]	07	2	Basic Science courses	25	3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.,	24	4	Professional core courses	80	5	Professional Elective courses relevant to chosen specialization/branch	15	6	Open subjects – Electives from other technical and /or emerging subjects	09	7	Project work, seminar and internship in industry or elsewhere. [Seminar: 01 credit, Project: 05 credit, Internship: 09 credits]	15	Total credits		175
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6	Open subjects – Electives from other technical and /or emerging subjects	09																											
7	Project work, seminar and internship in industry or elsewhere. [Seminar: 01 credit, Project: 05 credit, Internship: 09 credits]	15																											
Total credits		175																											

		<p>scheme of teaching and examination based on the outcome of the workshop/s.</p> <p>5. It was proposed to conduct one day workshop to all the Chairmen & Members, Board of Studies on AICTE Model Curriculum.</p> <p>6. Call for a meeting of chair persons of Basic Sciences, Humanities, board including the Chairmen of EEE, ECE, Mech and Civil boards for deliberation on the preparation of scheme of Teaching and Examination, and syllabus for 1st year B.E and B.Arch Programmes.</p> <p>7. B. Arch - To be confirmed by the Chairman, BOS in Architecture in consultation with COA. Chairman of B. Arch to propose scheme of Teaching and Examination, and syllabus of both UG and PG consultation with COA.</p>
Agenda -4	:	Finalization of III to VIII Semester Syllabus for 2017-18 Scheme.
Resolution	:	All Chairmen are to submit the final consolidated copy of syllabus only with minor changes in the contents in line with 2015-16 higher semester syllabus on or before 30-03-2018 without fail
Agenda -5	:	Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/ Eligibility to first year or higher semester.
Resolution	:	<p>(a) Recommended to follow the prevailing scheme for UG Programme. However an equivalence regarding scheme of study to be obtained from Chairman of concerned board.</p> <p>(b) Also recommended for PG Programme students who were admitted in 2016-17 and could not attend the higher semester classes during the academic year 2017 -18 and eligible now should attend the classes with 2017-18 scheme batch students. However, these students have to follow 2016-17 scheme of teaching and Examination and not the prevailing scheme of teaching and Examination.</p>
Table Agenda		
Table Agenda-1	:	An Alternate Question Paper Pattern for 2017 Scheme CBCS Batch.
Resolution	:	Resolved to follow the present pattern that is in place.
Table Agenda-2	:	Regulations Governing the Degree of Doctor of Philosophy (Ph.D)- Amended-2014.
Resolution	:	<p>(a) Issue about the qualifications for Research Supervisor for Ph.D (Architecture) to be referred to Research committee for consideration.</p> <p>(b) Issue about the Ph.D comprehensive viva – voce to be referred to Research committee for consideration.</p>
Table Agenda-3	:	Inclusion of Kannada as one credit course for III semester B. Arch Programme from academic year 2018-19.
Resolution	:	To include Kannada as one of the credit course for B.Arch Programme from academic year 2018-19.
Table Agenda-4	:	Number of ranks to be limited to 50% or less for programme offered in only one Institution.
Resolution	:	To abide by the existing regulations.
Table Agenda-5	:	Providing Subject wise University Aggregate Results

Resolution	:	University to publish Subject wise Aggregate Results so that the institutions can access the same through Principal's login.																											
Table Agenda-6 & 7	:	Clarification regarding Internship. Formulation of Modalities/Guidelines for UG Internship (2015-16 Scheme).																											
Resolution	:	(a) Four week Internship during 6 th and 7 th and/or 7 th and 8 th Semester vacation period. (b) The examination on Internship to be conducted in line with University project viva -voce examinations. (c) Amend (modify) the existing 2015 -16 regulations governing the internship i.e., 15OB.9																											
Table Agenda-7	:	Book Exhibition and Inclusion of one Librarian to BoS Meetings.																											
Resolution	:	(a) To organize Book Exhibition at VTU Regional office, Bengaluru and VTU Campus, Belagavi. (b) To Invite one librarian to BoS Meetings to assist the Board of Studies to assist to select/propose Reference books and Text Books.																											
Table Agenda- 8	:	Action Plan for Implementation of quality initiatives of AICTE including revised curriculum																											
Resolution	:	It is resolved to write a letter to Ministry of Human Resource Development, Department of Higher Education, Government of India regarding the Action Plan Timeline of Implementation of AICTE Model Curriculum the timeline as follows:																											
		<table border="1"> <thead> <tr> <th>Sr.No</th> <th>Activity</th> <th>Time Line</th> </tr> </thead> <tbody> <tr> <td rowspan="4">1.</td> <td rowspan="4">Inviting Board of Studies Meeting <ul style="list-style-type: none"> Examining existing curriculum Examining AICTE Model curriculum for its suitability Revision of curriculum incorporating model curriculum suggested by AICTE Identifying PEO, PO, CO </td> <td></td> </tr> <tr> <td>02/02/2018</td> </tr> <tr> <td>14/02/2018</td> </tr> <tr> <td>16/04/2018</td> </tr> <tr> <td rowspan="3">2</td> <td rowspan="3">Formation of Industry Consultation Committee (ICC) <ul style="list-style-type: none"> Examining curriculum for its suitability of Industry demand. Vetting of PEO, PO, CO </td> <td></td> </tr> <tr> <td>15/03/2018</td> </tr> <tr> <td>02/05/2018</td> </tr> <tr> <td>3</td> <td>Preparation of Training Plans for Teachers</td> <td>05/05/2018</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">Inviting Academic Council Meeting <ul style="list-style-type: none"> Approval of revised (model) curriculum Approval to teachers training plans </td> <td></td> </tr> <tr> <td>10/05/2018</td> </tr> <tr> <td>5</td> <td>Orientation workshop for faculty for implementation of revised curriculum</td> <td>15/05/2018 – 20/06/2018</td> </tr> <tr> <td>6</td> <td>Implementation of curricular retrospectively w.e.f Academic Session 2018-2019</td> <td>01/08/2018</td> </tr> </tbody> </table>	Sr.No	Activity	Time Line	1.	Inviting Board of Studies Meeting <ul style="list-style-type: none"> Examining existing curriculum Examining AICTE Model curriculum for its suitability Revision of curriculum incorporating model curriculum suggested by AICTE Identifying PEO, PO, CO 		02/02/2018	14/02/2018	16/04/2018	2	Formation of Industry Consultation Committee (ICC) <ul style="list-style-type: none"> Examining curriculum for its suitability of Industry demand. Vetting of PEO, PO, CO 		15/03/2018	02/05/2018	3	Preparation of Training Plans for Teachers	05/05/2018	4	Inviting Academic Council Meeting <ul style="list-style-type: none"> Approval of revised (model) curriculum Approval to teachers training plans 		10/05/2018	5	Orientation workshop for faculty for implementation of revised curriculum	15/05/2018 – 20/06/2018	6	Implementation of curricular retrospectively w.e.f Academic Session 2018-2019	01/08/2018
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The Meeting concluded with thanks by the chair.


Registrar


Vice-Chancellor:



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.D.
REGISTRAR

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

Ref No. VTU/Aca/A12/2017-18/ 11721

Date: 17 MAR 2018

MEETING NOTICE

Sub: Meeting of Joint Board of Studies.

Ref: Hon'ble Vice Chancellor's Approval dtd: 17-03-2018

With reference to the above subject, the Joint Board of Studies Meeting is convened on 27th March 2018 at 11.00 a.m. at Executive Council Meeting Hall 'Jnana Sangama', VTU, Belagavi to discuss on the following Agenda:

AGENDA:

1. Finalisation of 1st year scheme for 2018-19 UG and PG curriculum.
2. Guidelines for framing the regulations for 2018-19 scheme.
3. Introduction of Bachelor of Vocation as per AICTE syllabus and guidelines.
4. Any other matter with permission of the chair.

The Dean, Faculty of Engineering, VTU & Chairmen of all BoS are requested to make it convenient to attend the meeting. TA and Sitting Fee will be borne by the University to the members attending the meeting as per the VTU norms.

Sd/-

REGISTRAR

- To,
1. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi & Principal, Nitte Meenakshi Inst. of Technology, Bengaluru.
 2. Prof. V.Keshava Murthy, Special Invitee, Dept. of E & E, Dr. Ambedkar Institute of Technology, Bengaluru.
 3. Dr.D.S.Suresh, Special Invitee, Prinicpal, Channabasaveshwara Institute of Technology, Gubbi
 4. Dr. K Ramachandra BOS in Aeronautical Engg. of VTU, Belagavi, Retd Director, GTRE 600/1, 10th Cross, 7th Block, West Jayanagara, Bengaluru-560082
 5. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi & Professor, RV School of Architecture, Bengaluru.
 7. Dr. Nandkishore, Chairman, BOS in Automobile Engineering of VTU, Belagavi & Professor, Dept. of Automobile, Guru Nanak Dev Engineering College, Bidar.
 8. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi & Professor, Dept. of Mathematics, GSSS Institute of Engineering & Technology, Mysuru.
 9. Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi & Professor, Acharya Institute of Technology, Bengaluru.
 10. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi & Professor, Dept. of Chemical Engg, Bapuji Institute of Engineering & Technology, Davangere.
 11. Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi & Professor & Head, Dept. of Civil Engg., Bangalore Institute of Technology, Bengaluru.
 12. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi & Principal, KLE Institute of Technology, Hubballi.
 13. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi & Principal, JNN College of Engineering, Shivamogga.
 14. Dr. Shoba R Savanur, Chairman, BOS in E & E of VTU, Belagavi & Professor, BLDEA'S VP Dr.P G Halkatti College of Engineering, Vijayapur
 15. Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi & Dept. of Industrial Engineering & Management, Bangalore Institute of Technology, K.R. Road, V.V. Puram, Bengaluru.
 16. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi & Professor, Dept. of E & IE, University B.D.T. College of Engineering, DAVANGERE.
 17. Dr. U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi & Professor, RNS Institute of Technology, Bengaluru.
 18. Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi & Principal, Global Institute of Technology, Bengaluru.
 19. Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belgaum & Department of Textile Engineering, Bapuji Institute of Engineering & Technology, Shamnoor Road, Davangere.
 20. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
 21. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi & Professor, Dept. of Nano Technology, VTU, PG Centre, Muddenahalli.
 22. Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi & Chief Librarian, BMS College of Engineering, Bengaluru.

REGISTRAR

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 Registrar (Evaluation), VTU, Belagavi, with request to attend the meeting.
- 5) The Special Officer, Academic Section, VTU, Belagavi for information.
- 6) The Resident Engineer, VTU, Belagavi to make necessary arrangements for the meeting including hospitality.

- Note:
1. All the Members and Special Invitees are requested to make their own arrangements towards transportation to attend the meeting.
 2. All the Members and Special Invitees are requested to produce Onward and Return Journey Tickets/Vouchers for the disbursement of travelling allowances.
 3. The TA will be disbursed as per KCSR/Government Circulars and orders only.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

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ದಿನಾಂಕ : 17/03/2018

ವಿಭಾಗ
Academic

ವಿಷಯ : JBOS Meeting Items Approval - reg

Submitted:

It is proposed to conduct the **Joint Board of Studies**

Meeting with the following agenda:

- Finalization of 1st year Scheme for 2018-19 curriculum
- Guidelines for framing the Regulations for 2018-19 scheme.
- Introduction of Bachelor of Vocation as per AICTE Syllabus and guidelines

Hence, it is requested to suggest the date and venue of the meeting of Joint BoS.

For kind orders & directions,

Office Suptd: ^{for 17/03/18} for directions 17/3/18

Special officer: For kind directions 17/3/18

Registrar: For kind approval 17/03/18

9 MAR 2018 (C) : 65663
9563
Date 27.3.18 at Belagavi

2.2 Matters Concerning Board of Studies

Item No. 2.2.5 of the Agenda of the
140th meeting of the Executive Council
to be held on 13th July 2018

Consideration of the Proceedings of the Joint Board of Studies Meeting held on 11-6-2018 at VTU's Regional Office, Bengaluru

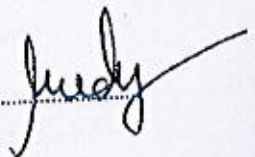
The Joint Board of Studies Meeting was held on 11-6-2018 at VTU's Regional Office, Bengaluru. The Proceedings of the Joint Board of Studies Meeting are placed before the Executive Council for consideration and approval.

The subject is being placed before the Academic Senate and the recommendations of the Academic Senate will be placed on the table.

Resolution No. 2.2.5

The Executive Council resolved to accept the recommendations of the Academic Senate which recommended to approve the Proceedings of the Joint Board of Studies Meeting held on 11-6-2018 at VTU's Regional Office, Bengaluru, as placed in the meeting.

Minutes of the 140th Executive Council Meeting held on 30-6-2018 and adjourned meeting held on 13-7-2018.....



so)

Members Present:

1. Dr. Karisidappa, Chairman JBOS and Vice chancellor, VTU, Belagavi.
2. Dr. H. N. Jagannatha Reddy, Registrar, VTU, Belagavi.
3. Dr. Satish Annigeri, Registrar (Evaluation), VTU, Belagavi
4. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU Belagavi, and Principal, Nitta Meenakshi Institute of Technology, Bengaluru.
5. Prof.V.Keshava Murthy, Academic Advisor, VTU Regional office, Bengaluru.
6. Dr R. Prabhakara, Professor, Emeritus Structural Engineering Division, and Advisor Academic and Admin section, VTU, Belagavi.
7. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences, VTU, Belagavi.
8. Dr. Omprakash S Bawane, Chairman, BOS in Architecture, VTU, Belagavi.
9. Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engineering, VTU, Belagavi.
10. Dr. S. M Gopinath, Chairman BOS in Biotechnology, VTU, Belagavi.
11. Dr. Aswath M. U., Chairman, BOS in Civil Engineering, VTU, Belagavi.
12. Dr. Srinivas Rao Kunte, Chairman, BOS in E and C, VTU, Belagavi.
13. Dr. Shobha Savanur, Chairperson, BOS in E and E, VTU, Belagavi.
14. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics and Instrumentation Engineering of VTU, Belagavi.
15. Dr.U. Bhojanna, Chairman, BOS in Business Administration, VTU, Belagavi.
16. Dr. R. P. Reddy, Chairman, BOS in Mech. Engineering, VTU, Belagavi.
17. Dr. M. C. Jagath, Chairman, BOS in IPE, VTU, Belagavi.
18. Dr. Murugesha Babu, Chairman, BOS in Silk and Textile Technology, VTU, Belagavi.
19. Dr. Nandakishore, Chairman, BOS in Automobile Engineering, VTU, Belagavi.
20. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology, VTU, Belagavi.
21. Dr. N.Chowdappa, Chairman, BOS in Library and Information Science, VTU, Belagavi.
22. Dr. H.S Dayananda, Chairman, BOS Humanities, VTU, Belagavi.

Members Absent

1. Dr. D.S.Suresh, Academic Senate and Executive Committee member, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi.
2. Dr. C N Chandrappa, Executive Council Member and Special Invitee, VTU, Belagavi.
3. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering and Polymer Science, VTU, Belagavi.

Agenda:

1. Finalization of the Scheme for B.E/B.Tech Programme for 2018-19 scheme (as per AICTE Model Curriculum).
2. Finalization of the Scheme for M.Tech/MCA and MBA Programme for 2018-19 scheme (as per AICTE Model Curriculum).
3. To adopt teaching days as 180 in a Year as per UGC.

Table Agenda:

1. Equivalence Courses for Change of Scheme Students.
2. Mention of paper setting Board.
3. M.Sc Physics consideration for Eligibility in M.Tech (Renewable Energy).
4. Any other matter with the permission of the chair

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairmen of Joint Board of Studies and all the members present. He requested Honorable Vice-Chancellor for further proceedings.

Honorable Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members and briefed on the agenda. Honorable Vice-Chancellor requested members for discussions. After detailed deliberations the following resolutions were made.

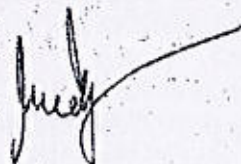
Agenda -1	: Finalization of the Scheme for B.E/B.Tech Programme for 2018-19 scheme (as per AICTE Model Curriculum).
Resolution	: 1. Resolved to incorporate the following to the Scheme of Teaching and Examination of UG programme 2018-19. (a) In order to provide sufficient time for the learners in tutorial classes, it is decided to assign one credit to 2 hour tutorial/week/semester in lieu of earlier decision that one credit to 1 hour tutorial/week/semester. (b) To provide ample opportunity for teaching - learning exercise of two credit English course, the consensus of the Board was to have the course both in I and II semesters instead of limiting it only to II semester. (i) Further, designate the course as Language Laboratory I (English) for I semester and Language Laboratory II (English) for II semester. Each course to carry a credit of one. (ii) Consider the course under practical heading. (iii) Assessment of students in the course to be through CIE only. (c) (i) The III semester course Kannada to be taught as vyavaharika kannada (Communication Kannada) to non-kannada speaking students/ to students who have not studied kannada during schooling and Aadalithathmaka Kannada (Administrative Kannada) to students who can read and write kannada and have studied kannada during schooling. (ii) Consider the course under practical heading. (iii) Assessment of students to be through CIE only. (d) Title of the course Civil Engineering and Mechanics of I / II semester to be modified as Elements of Civil Engineering and Mechanics. (e) Title of the course Computer Programming Laboratory of I / II semester to be modified as C Programming Laboratory. (f) Assessment of students in the VII semester BE/B.Tech course project work Phase -1 to be through CIE only. (2) Four Professional Elective Courses to be assigned to BE/B.Tech programmes; One for VI semester, two for VII semester and one for VIII semester. 3.(i) Two Open Elective Courses to be assigned to BE/B.Tech programmes;

	<p>One each during VI and VII semesters.</p> <p>(ii) Constitute a Committee with Dean, Engineering as Chairman, Chairpersons of Board of Studies and Advisors of VTU as members for finalization of BE/B.Tech Open Electives.</p> <p>4. Board authorized the Vice-Chancellor to finalize the BE/B.Tech Regulations 2018 - 19 and Scheme of Teaching and Examination.</p> <p>5. Board of Studies to submit the Scheme of Teaching and Examination and syllabus pertaining to III to VIII semesters of BE/B.Tech/ B.Arch programmes on or before 30th June 2018.</p>																				
Agenda -2	Finalization of the Scheme for M.Tech, MCA, MBA and MArch Programme for 2018-19 scheme (as per AICTE Model Curriculum).																				
Resolution	<p>(1) Revise the credits of postgraduate programmes to be on par with the credits prescribed for autonomous colleges under VTU from the academic year 2018 -19. The table 1 shows the previous and the revised credits prescribed for the postgraduate programmes.</p> <table border="1"> <caption>Table -1 Credits prescribed for different Postgraduate programmes</caption> <thead> <tr> <th rowspan="2">Postgraduate programmes</th> <th colspan="2">Credits as per the decision of</th> </tr> <tr> <th>JBOS held on 27 -03 - 2018</th> <th>JBOS held on 11 - 06 - 2018</th> </tr> </thead> <tbody> <tr> <td>M. Tech.</td> <td>72</td> <td>88</td> </tr> <tr> <td>M. Arch.</td> <td>100</td> <td>100</td> </tr> <tr> <td>M.B.A.</td> <td>102</td> <td>100</td> </tr> <tr> <td>M.C.A.</td> <td>125</td> <td>132</td> </tr> <tr> <td>MCA (Lateral Entry)</td> <td>--</td> <td>88</td> </tr> </tbody> </table> <p>(2) Marks for evaluation of each course to be 100; SEE and CIE to be in the ratio 60:40.</p> <p>(3) Evaluation of Technical seminar and Project work phase 1 to be through CIE only.</p> <p>(i) The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25.</p> <p>(ii) The CIE marks awarded for project work phase -1, shall be based on the evaluation of Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25.</p> <p>(4) Recent two year MCA Programme sanctioned by AICTE, is to be reckoned as II and III years of the three year MCA programme for which BCA/B S.c Graduates are only eligible under lateral entry scheme.</p>	Postgraduate programmes	Credits as per the decision of		JBOS held on 27 -03 - 2018	JBOS held on 11 - 06 - 2018	M. Tech.	72	88	M. Arch.	100	100	M.B.A.	102	100	M.C.A.	125	132	MCA (Lateral Entry)	--	88
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M.C.A.	125	132																			
MCA (Lateral Entry)	--	88																			
Agenda -3	To adopt teaching days as 180 in a Year as per UGC.																				
Resolution	Resolved to adopt 180 or more teaching days in an academic Calendar as per UGC norms and to have at least 90 teaching days per semester.																				

Table Agenda	
Table Agenda-1	: Equivalence courses for students who change the Scheme.
Resolution	: Students who change the scheme of study because of various reasons have to get admitted to the prevailing scheme and follow the norms pertaining to it. Such students may have to complete additional subjects, if any, when the equivalence between the two schemes is decided by the concerned Board of Studies along with the number of credits to be earned after completing all the remaining semesters as a regular student in the prevailing scheme.
Table Agenda-2	: Mention of paper setting Board.
Resolution	: Specific paper setting Board of examiners (BOE) be mentioned against each science Course instead of the generic term Basic Sciences in the BE/B.Tech scheme of Teaching and Examination. Illustration: (i) Engineering Physics: Paper setting Board – BOE in Physics. (ii) Engineering Chemistry: Paper setting Board - BOE in Chemistry. (iii) Mathematics papers: Paper setting Board - BOE in Mathematics.
Table Agenda-3	: Approval of M.Sc Physics degree for Eligibility to M.Tech (Renewable Energy).
Resolution	: After the deliberations, M.Sc Physics degree, as per MNRE, Government of India, is approved to be eligible to M.Tech (Renewable Energy) programme.
Issues with the permission of the chair	
Issue -1	: Change of nomenclature of programme (course, according to AICTE Approval Process Handbook 2018 -19) Instrumentation Technology (IT) to Electronics and Instrumentation Engineering (EI)
Resolution	: Address a letter to KEA – CET cell to change the branch name of Instrumentation Technology (page 14) Instrumentation Technology (IT) (page 21) to Electronics and Instrumentation Engineering (EI) in the PG CET - 2018 - Information Bulletin.

The Meeting concluded with thanks by the chair.

Registrar



Vice-Chancellor:



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.d.
REGISTRAR

Phone: (0831) 2405468

Fax : (0831) 2405467

Ref No. VTU/Aca/2018-19/ 4850

Date: 4 SEP 2018

MEETING NOTICE

Sub: Meeting of Joint Board of Studies.

Ref: Hon'ble Vice Chancellor's Approval dated:4-9-2018

With reference to the above subject, the Joint Board of Studies Meeting is convened on 17th September 2018 at 11.00 a.m. at VTU's Regional Office, Kusnoor Road, Kalaburagi to discuss on the following Agenda:

AGENDA:

1. To get approval for the 1st year B.E/B. Tech and B. Arch 2018 Scheme and Syllabus
2. To get approval for the 1st year B.E/B. Tech and B. Arch 2018 Regulations
3. Finalise the M. Tech., MBA, MCA, and M. Arch 2018 Scheme and Syllabus
4. Finalise the M. Tech., MBA, MCA, and M. Arch 2018 Regulations
5. Finalise introduction of Cyber Law Course at UG level as per the recommendation of KSHEC Bengaluru
6. To discuss on the course offered by National Power Training Institute Faridabad Equivalent to 3 credits of B.E Programme
7. Finalize the scheme and syllabus submitted by EC/CS/E&IE Composite board prepared new PG programme i.e M.Tech in Artificial Intelligence and Machine Learning @VIAT Muddenhalli.
8. Equivalence of subjects branch CBCS and Non-CBCS Vica -versa
9. To discuss &finalise the grouping of subjects as a course work for Ph.D programme from 2018-19
10. Other matters with permission of the chair

Table Agenda

1. Equivalence Certificate for B.E Electronics and Communication Engineering is equivalent to Electronics Engineering
2. Additional requirement for earning 4/5 years Degree Programme Activity points.
3. Proposal for starting M.Tech Food Technology Course. Submitted by Jyothy Institute of Technology Bangalore
4. Request to change the Nomenclature from Telecommunication Engineering to " Electronics and Telecommunication Engineering"
5. To discuss on the courses of 15CPH 18/28 Kannada /Constitution of India, Professional Ethics and Human Rights for 2015-16 scheme. Who have admitted in 2017-18 scheme

The Dean, Faculty of Engineering, VTU & Chairmen of all BoS are requested to make it convenient to attend the meeting. TA and Sitting Fee will be borne by the University to the members attending the meeting as per the VTU norms.

Sd/-
REGISTRAR

To,

- 1/ Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi & Principal, Nitte Meenakshi Inst. of Technology, Bengaluru.
- 2/ Dr.D.S.Suresh, Special Invitee, Prinicpal, Channabasaveshwara Institute of Technology, Gubbi
- 3/ Dr. C N Chandrappa, EC Member of VTU, Special Invitee, Acharya College of Engineering, Bengaluru
- 4/ Dr. K Ramachandra BOS in Aeronautical Engg. of VTU, Belagavi, Retd Director, GTRE 600/1, 10th Cross, 7th Block, West Jayanagara, Bengaluru-560082
- 5/ Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi & Professor, RV School of Architecture, Bengaluru.
- 6/ Dr. Nandkishore, Chairman, BOS in Automobile Engineering of VTU, Belagavi & Professor, Dept. of Automobile, Guru Nanak Dev Engineering College, Bidar
- 7/ Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi & Professor, Dept. of Mathematics, GSSS Institute of Engineering & Technology, Mysuru.
- 8/ Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi & Professor, Acharya Institute of Technology, Bengaluru..
- 9/ Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi & Professor, Dept. of Chemical Engg, Bapuji Institute of Engineering & Technology, Davangere.
- 10/ Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi & Principal, Bangalore Institute of Technology, Bengaluru.



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.d.
REGISTRAR

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

Ref No. VTU/Aca/2018-19/10850

Date: 4 SEP 2018

- 11 Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi & Principal, KLE Institute of Technology, Hubballi.
- 12 Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi & Principal, Sahyadri College of Engineering & Management, Mangaluru.
- 13 Dr. Shoba R Savanur, Chairman, BOS in E & E of VTU, Belagavi & Professor, BLDEA'S VP Dr.P G Halkatti College of Engineering, Vijayapur
- 14 Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi & Dept. of Industrial Engineering & Management, Bangalore Institute of Technology, K.R. Road, V.V. Puram, Bengaluru
- 15 Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi & Professor, Dept. of E & IE, University B.D.T. College of Engineering, DAVANGERE.
- 16 Dr. U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi & Professor, RNS Institute of Technology, Bengaluru.
- 17 Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi & Principal, Global Institute of Technology, Bengaluru.
- 18 Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belgaum & Department of Textile Engineering, Bapuji Institute of Engineering & Technology, Shamnoor Road, Davangere.
- 19 Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
- 20 Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi & Professor, Dept. of Nano Technology, VTU, PG Centre, Muddenahalli.
- 21 Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi & Chief Librarian, BMS College of Engineering, Bengaluru.
- 22 Dr.H.S.Dayananda, Chairman, BOS in Humanities of VTU, Belagavi & Professor & Head, Dept., of Civil, Vidyavardhaka College of Engineering, Mysuru.
- 23 Prof.V.Keshava Murthy, Academic Advisor, VTU, Belagavi
- 24 Prof.R.Prabhakara, Academic Advisor, VTU, Belagavi
- 25 Prof. Vaman Gudi, Cambridge Institute of Technology north campus Bangalore - Special Invite

Sd/-

REGISTRAR

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 Registrar (Evaluation), VTU, Belagavi, with request to attend the meeting.
- 5) The Special Officer, Academic Section, VTU, Belagavi for information.
- 6) The Regional Director (I/c), VTU Regional Office, Kalaburgi, to make necessary arrangements for the meeting including hospitality and disbursement of TA and Sitting Fee to the members.

- Note: 1. All the Members and Special Invitees are requested to make their own arrangements towards transportation to attend the meeting.
2. All the Members and Special Invitees are requested to produce Onward and Return Journey Tickets/Vouchers for the disbursement of travelling allowances.
3. The TA will be disbursed as per KCSR/Government Circulars and orders only.

REGISTRAR



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.d.
REGISTRAR

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

Ref No. VTU/Aca/A12/2018-19/1825

Date: 1 JUN 2018

MEETING NOTICE

Sub: Meeting of Joint Board of Studies.

Ref: Hon'ble Vice Chancellor's Approval dtd: 01.06.2018

With reference to the above subject, the Joint Board of Studies Meeting is convened on 11th June 2018 at 10.00 a.m. at VTU's Regional Office, RHCS Layout, Annapurneshwarinagar, Nagarbhavi, Bengaluru to discuss on the following Agenda:

AGENDA:

1. Finalization of Credits for B.E/B.Tech Programme (Lateral Entry).
2. Relook of Credits for PG Programmes (viz., M.Tech, MBA and MCA) and its typical credits breakdown.
3. Finalization of the Scheme for B.E/B.Tech Programme for 2018-19 scheme (as per AICTE Model Curriculum).
4. Finalization of the Scheme of PG Programmes (viz., M.Tech, MBA and MCA)
5. Finalization of B.E/B.Tech Regulations for 2018-19 scheme.
6. To decided the L.T.P Structure for both UG and PG Programmes (2018-19) scheme.
7. To Draft out the academic calendar for 180 teaching days in a year as per UGC.
8. Relook of Considering Kannada and Constitutional of India as credit courses.

TABLE AGENDA:

1. Equivalence Courses for Change of Scheme Students.
2. Modifications in Scheme of Teaching.
3. M.Sc Physics consideration for Eligibility in M.Tech (Renewable Energy).
4. Any other matter with permission of the chair.

The Dean, Faculty of Engineering, VTU & Chairmen of all BoS are requested to make it convenient to attend the meeting. TA and Sitting Fee will be borne by the University to the members attending the meeting as per the VTU norms.

Sd/-
REGISTRAR

To,

1. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi & Principal, Nitte Meenakshi Inst. of Technology, Bengaluru.
2. Dr. D. S. Suresh, Special Invitee, Prinicpal, Channabasaveshwara Institute of Technology, Gubbi
3. Dr. K Ramachandra BOS in Aeronautical Engg. of VTU, Belagavi, Retd Director, GTRE 600/1, 10th Cross, 7th Block, West Jayanagara, Bengaluru-560082
4. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi & Professor, RV School of Architecture, Bengaluru.
5. Dr. Nandkishore, Chairman, BOS in Automobile Engineering of VTU, Belagavi & Professor, Dept. of Automobile, Guru Nanak Dev Engineering College, Bidar
6. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi & Professor, Dept. of Mathematics, GSSS Institute of Engineering & Technology, Mysuru.
7. Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi & Professor, Acharya Institute of Technology, Bengaluru..
8. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi & Professor, Dept. of Chemical Engg, Bapuji Institute of Engineering & Technology, Davangere.
9. Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi & Principal, Bangalore Institute of Technology, Bengaluru.
10. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi & Principal, KLE Institute of Technology, Hubballi.
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16. Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi & Principal, Global Institute of Technology, Bengaluru.
17. Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belgaum & Department of Textile Engineering, Bapuji Institute of Engineering & Technology, Shamnoor Road, Davangere.
18. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
19. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi & Professor, Dept. of Nano Technology, VTU, PG Centre, Muddenahalli.



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.d.
REGISTRAR

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

Ref No. VTU/Aca/A12/2018-19/1825

Date: 1 JUN 2018

20 Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi & Chief Librarian, BMS
College of Engineering, Bengaluru.

21 Dr.H.S.Dayananda, Chairman, BOS in Humanities of VTU, Belagavi & Professor & Head, Dept., of Civil,
Vidyardhaka College of Engineering, Mysuru.

22 Prof.V.Keshava Murthy, Academic Advisor, VTU, Belagavi

23 Prof.R.Prabhakara, Academic and Administration, VTU, Belagavi

Sd/-
REGISTRAR

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 Registrar (Evaluation), VTU, Belagavi, with request to attend the meeting.
 - 5) The Special Officer, Academic Section, VTU, Belagavi for information.
 - 6) The Regional Director (I/c), VTU Regional Office, Bengaluru, to make necessary arrangements for the meeting including hospitality and disbursement of TA and Sitting Fee to the members.
- Note: 1. All the Members and Special Invitees are requested to make their own arrangements towards transportation to attend the meeting.
2. All the Members and Special Invitees are requested to produce Onward and Return Journey Tickets/Vouchers for the disbursement of travelling allowances.
3. The TA will be disbursed as per KCSR/Government Circulars and orders only.


REGISTRAR



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

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ಪುಟ ಸಂಖ್ಯೆ :1.....

ಕಡತದ ಸಂ. :

ದಿನಾಂಕ : 31/05/2018

ವಿಭಾಗ

ವಿಷಯ : Joint Board of Studies Meeting- reg

Academic

1. Submitted:

The Authorities have proposed to convene a Joint Board of Studies Meeting to discuss the following.

Agenda:

1. Finalization of Credits for B.E/B.Tech Programme (Lateral Entry).
2. Relook of Credits for PG Programmes (viz., M.Tech, MBA and MCA) and its typical credits breakdown.
3. Finalization of the Scheme for B.E/B.Tech Programme for 2018-19 scheme (as per AICTE Model Curriculum).
4. Finalization of the Scheme of PG Programmes (viz., M.Tech, MBA and MCA)
5. Finalization of B.E/B.Tech Regulations for 2018-19 scheme.
6. To Draft out the academic calendar for 180 teaching days in a year as per UGC.
7. Relook of Considering Kannada and Constitutional of India as credits courses.

Table Agenda:

1. Equivalence Courses for change of scheme students.
2. Modifications in Scheme of Teaching.

In view of this, the meeting schedule and venue may be suggested.

For kind orders,

31/5/18

2. Office Superintend: 31/5/18

3. S.O

→ for kind direction. 31/5/18

4. Reg)

For kind approval
[with date at blue No] 31/05/18

5. VC)

6. 31/5/18

1.6.18

17 JUN 2018

659



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.D.
REGISTRAR

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

Ref No. VTU/Aca/A12/2017-18/10099

Date: 1 FEB 2018

MEETING NOTICE

Sub: Meeting of Joint Board of Studies.

Ref: Hon'ble Vice Chancellor's Approval dtd: 01/02/2018

With reference to the above subject, the Joint Board of Studies Meeting is convened on 14th February 2018 at 11.00 a.m. at VTU's Regional Office, RHCS Layout, Annapoorneshwarinagar, Nagarbhavi, Bengaluru to discuss on the following Agenda:

AGENDA:

1. Revision of PG Syllabus, SEE and CIE ratio for 2018-19.
2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19.
3. Review of Model Curriculum for UG Programme designed by AICTE.
4. Finalisation of 3rd to 8th Semester Syllabus for 2017-18 scheme.
5. Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/Eligibility to first year or higher semester.
6. Any other matter with permission of the chair.

The Dean, Faculty of Engineering, VTU & Chairmen of all BoS are requested to make it convenient to attend the meeting. TA will be borne by the University to the members attending the meeting as per the VTU norms.

Sd/-
REGISTRAR

To,

- 1 Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi & Principal, Nitte Meenakshi Inst. of Technology, Bengaluru.
- 2 Prof. V.Keshava Murthy, Special Invitee, Dept. of E & E, Dr. Ambedkar Institute of Technology, Bengaluru.
- 3 Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi
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- 13 Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi & Principal, JNN College of Engineering, Shivamogga.
- 14 Dr. Shoba R Savanur, Chairman, BOS in E & E of VTU, Belagavi & Professor, BLDEA'S VP Dr.P G Halkatti College of Engineering, Vijayapur
- 15 Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi & Dept. of Industrial Engineering & Management, Bangalore Institute of Technology, K.R. Road, V.V. Puram, Bengaluru.
- 16 Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi & Professor, Dept. of E & IE, University B.D.T. College of Engineering, DAVANGERE.
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- 20 Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
- 21 Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi & Professor, Dept. of Nano Technology, VTU, PG Centre, Muddenahalli.
- 22 Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi & Chief Librarian, BMS College of Engineering, Bengaluru.

REGISTRAR

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 Registrar (Evaluation), VTU, Belagavi, with request to attend the meeting.
- 5) The Special Officer, Academic Section, VTU, Belagavi for information and necessary action.
- 6) The Regional Director (I/c), VTU Regional Office, Bengaluru for information and to make necessary arrangements.

Note: 1. All the Members and Special Invitees are requested to make their own arrangements towards transportation to attend the meeting.

2. All the Members and Special Invitees are requested to produce Onward and Return Journey Tickets/Vouchers for the disbursement of travelling allowances.



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.d.
REGISTRAR

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

RefNo. VTU/Aca/A12/2017-18/

Date:

MEETING NOTICE

Sub: Meeting of Joint Board of Studies.

Ref: Hon'ble Vice Chancellor's Approval dtd: 01/02/2018

With reference to the above subject, the Joint Board of Studies Meeting is convened on 14th February 2018 at 11.00 a.m. at VTU's Regional Office, RHCS Layout, Annapoorneshwarinagar, Nagarbhavi, Bengaluru to discuss on the following Agenda:

AGENDA:

1. Revision of PG Syllabus, SEE and CIE ratio for 2018-19.
2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19.
3. Review of Model Curriculum for UG Programme designed by AICTE.
4. Finalisation of 3rd to 8th Semester Syllabus for 2017-18 scheme.
5. Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/Eligibility to first year or higher semester.
6. Any other matter with permission of the chair.

The Dean, Faculty of Engineering, VTU & Chairmen of all BoS are requested to make it convenient to attend the meeting. TA will be borne by the University to the members attending the meeting as per the VTU norms.

Sd/-
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- 1 Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi & Principal, Nitte Meenakshi Inst. of Technology, Bengaluru.
- 2 Prof. V.Keshava Murthy, Special Invitee, Dept. of E & E, Dr. Ambedkar Institute of Technology, Bengaluru.
- 3 Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi
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- 2) The Finance Officer, VTU, Belagavi, for information.
- 3) The Registrar's Office, VTU, Belagavi, for information.
- 4) The Registrar (Evaluation), VTU, Belagavi, with request to attend the meeting.
- 5) The Special Officer, Academic Section, VTU, Belagavi for information.
- 6) The Resident Engineer, VTU, Belagavi to make necessary arrangements for the meeting including hospitality.

- Note: 1. All the Members and Special Invitees are requested to make their own arrangements towards transportation to attend the meeting.
2. All the Members and Special Invitees are requested to produce Onward and Return Journey Tickets/Vouchers for the disbursement of travelling allowances.



Visvesvaraya Technological University

"Jnana Sangama"

Belagavi - 590 018, Karnataka State

Dr. H.N. Jagannatha Reddy B.E., M.E., Ph.D.
REGISTRAR

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

Ref: VTU/BGM/Aca-OS//2018-19/ 2260

Date 20 JUN 2018

REMINDER

To,
Chairmen
Board of Studies

Sir/ Madam,

Sub: **Equivalent Subjects for change of Scheme students - reg..**

Ref: 1. Resolution No. 2.1.8 of 20-3-2018 (139th meeting)
2. Discussion in JBOS dated 11-6-2018

With reference to the above, this is brought to the kind notice, you were requested to provided the equivalent subjects as well as subjects to be exempted by the students who were switched from one scheme to another, however, till date the same is not received. Hence, you are once again requested to submit the same on or before 30-6-2018 as the same has to be informed to the students.

Details :

Case A The University has issued circular No. 3732 of 10-8-2017 (Copy enclosed) informing the colleges to conduct parallel classes for UG 5th semester onwards and PG 3rd onwards. However, some Non-CBCS students attended classes and written examinations in CBCS at 5th and 3rd semester UG and PG respectively during 2017-18.

Viz.: a) UG : these student studied 1st to 4th semester in Non-CBCS and switched to CBCS at 5th semester

b) PG : these student studied 1st and 2nd semester in Non-CBCS and switched to CBCS at 3rd semester

Case B The University issued notification w.r.t. One Time Exit scheme during the year 2017-18 for Non-CBCS students of 5th / 7th semester. The students who switched to CBCS scheme at 3rd / 4th semester were not covered under this One Time Exit Scheme. However, some of such students approached Hon'ble High Court of Karnataka and Hon'ble High Court of Karnataka in W.P. 49568-569/2017 and connected petitions allowed these students to register for One Time Exit Scheme i.e. under Non-CBCS

Viz: These students studied 1st & 2nd semester in Non-CBCS and 3rd and 4th semester in CBCS . Now by implementation of aforesaid Hon'ble High Court directions, these students again switched back to Non-CBCS from 5th semester onwards

Note: These students have already studied 5th and 6th i.e. during 2018-19

Case C Same as that of B

Note: These students will have to study 5th and 6th semester now i.e. during 2019-20

Your kind cooperation is highly appreciated.

Thanking you,

Yours faithfully,


REGISTRAR

H. P. 19/6/18



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.d.
REGISTRAR

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

Ref No. VTU/Aca/2018-19/ 8311

Date: 14 DEC 2018

MEETING NOTICE

Sub: Meeting of Joint Board of Studies.

Ref: Hon'ble Vice Chancellor's Approval dated: 07-12-2018

With reference to the above subject, the Joint Board of Studies Meeting is convened on 29th December 2018 at 11.00 a.m. at VIAT Muddenahalli, Chikkaballapura Dist Bengaluru, to discuss on the following Agenda:

AGENDA:

1. Revision of Scheme of Teaching and Examination for 3rd to 8th semester of BE/B.Tech programmes.
2. Equivalent subjects/courses for 1st year BE/B.Tech courses of 2015th and 2017th schemes.
3. Syllabus for Research Methodology and IPR, a mandatory course of Ph.D coursework -2018.
4. Reduction of Activity points prescribed for AICTE Activity Programme.
5. Implementation of AICTE Activity programme at Autonomous Colleges
6. To discuss on new M.Tech in Food Technology Proposed by Jyothi Institute of Technology, Bangalore
7. To discuss on new M.Tech in Urban planning proposed by Dayanand Sagar College of Architecture Bangalore
8. Finalize the Ph.D grouping of subjects
9. Any other matters with permission of the chair

The Dean, Faculty of Engineering, VTU & Chairmen of all BoS are requested to make it convenient to attend the meeting. TA and Sitting Fee will be borne by the University to the members attending the meeting as per the VTU norms.

Sd/-

REGISTRAR

To,

- 1 Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi & Principal, Nitte Meenakshi Inst. of Technology, Bengaluru.
- 2 Dr. D.S.Suresh, Special Invitee, Prinicipal, Channabasaveshwara Institute of Technology, Gubbi
- 3 Dr. C N Chandrappa, EC Member of VTU, Special Invitee, Acharya College of Engineering, Bengaluru
- 4 Professor Chikkanna N. In-charge Chairman, BOS Aeronautical Engg, VTU PG Centre Muddenahalli .
- 5 Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi & Professor, RV School of Architecture, Bengaluru
- 6 Dr. Nandkishore, Chairman, BOS in Automobile Engineering of VTU, Belagavi & Professor, Dept. of Automobile, Guru Nanak Dev Engineering College, Bidar
- 7 Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi & Professor, Dept. of Mathematics, GSSS Institute of Engineering & Technology, Mysuru.
- 8 Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi & Professor, Acharya Institute of Technology, Bengaluru..
- 9 Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi & Professor, Dept. of Chemical Engg, Bapuji Institute of Engineering & Technology, Davangere.
- 10 Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi & Principal, Bangalore Institute of Technology, Bengaluru.
- 11 Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi & Principal, KLE Institute of Technology, Hubballi.
- 12 Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi & Principal, Sahyadri College of Engineering & Management, Mangaluru.
- 13 Dr. Shoba R Savanur, Chairman, BOS in E & E of VTU, Belagavi & Professor, BLDEA'S VP Dr.P.G Halkatti



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.D.
REGISTRAR

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

Ref No. VTU/Aca/2018-19/ 8311

Date: 14 DEC 2018

College of Engineering, Vijayapur

- 14 Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi & Dept. of Industrial Engineering & Management, Bangalore Institute of Technology, K.R. Road, V.V. Puram, Bengaluru
- 15 Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi & Professor, Dept. of E & IE, University B.D.T. College of Engineering, DAVANGERE.
- 16 Dr. U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi & Professor, RNS Institute of Technology, Bengaluru.
- 17 Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi & Principal, Global Institute of Technology, Bengaluru.
- 18 Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belgaum & Department of Textile Engineering, Bapuji Institute of Engineering & Technology, Shamnoor Road, Davangere.
- 19 Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
- 20 Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi & Professor, Dept. of Nano Technology, VTU, PG Centre, Muddenahalli.
- 21 Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi & Chief Librarian, BMS College of Engineering, Bengaluru.
- 22 Dr.H.S.Dayananda, Chairman, BOS in Humanities of VTU, Belagavi & Professor & Head, Dept., of Civil, Vidyavardhaka College of Engineering, Mysuru.
- 23 Prof.V.Keshava Murthy, Academic Advisor, VTU, Belagavi
- 24 Prof.R.Prabhakara, Professor Emeritus, VTU, Belagavi

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 Registrar (Evaluation), VTU, Belagavi, with request to attend the meeting.
- 5) The Special Officer, Academic Section, VTU, Belagavi for information.
- 6) The Regional Director (I/c), Bengaluru, directed to make arrangements for Accommodations at Guest house and providing the transport facility to chairman / members and staff for attending the JBOS at VIAT Muddenahalli, Chikkaballapura from R.O Bengaluru and disbursement of TA and sitting fees to members.
- 7) The PG Coordinator VIAT Muddenahalli, Chikkaballapura Dist, Bengaluru, to make necessary arrangements for the meeting including hospitality.
- 8) The Regional Director (I/c), VTU Regional Office Belagavi, Kalaburgi, Mysore for information.

- Note:**
1. All the Members and Special Invitees are requested to make their own arrangements towards transportation to attend the meeting.
 2. All the Members and Special Invitees are requested to produce Onward and Return Journey Tickets/Vouchers for the disbursement of travelling allowances
 3. The TA will be disbursed as per KCSR/Government Circulars and orders only.

REGISTRAR

14/12/18
JK
DR



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.d.
REGISTRAR

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

Ref No. VTU/Aca/2018-19/ 8311

Date: 14 DEC 2018

MEETING NOTICE

Sub: Meeting of Joint Board of Studies.

Ref: Hon'ble Vice Chancellor's Approval dated: 07-12-2018

With reference to the above subject, the Joint Board of Studies Meeting is convened on 29th December 2018 at 11.00 a.m. at VIAT Muddenahalli, Chikkaballapura Dist Bengaluru. to discuss on the following Agenda:

AGENDA:

1. Revision of Scheme of Teaching and Examination for 3rd to 8th semester of BE/B.Tech programmes.
2. Equivalent subjects/courses for 1st year BE/B.Tech courses of 2015th and 2017th schemes.
3. Syllabus for Research Methodology and IPR, a mandatory course of Ph.D coursework -2018.
4. Reduction of Activity points prescribed for AICTE Activity Programme.
5. Implementation of AICTE Activity programme at Autonomous Colleges
6. To discuss on new M.Tech in Food Technology Proposed by Jyothi Institute of Technology, Bangalore
7. To discuss on new M.Tech in Urban planning proposed by Dayanand Sagar College of Architecture Bangalore
8. Finalize the Ph.D grouping of subjects
9. Any other matters with permission of the chair

The Dean, Faculty of Engineering, VTU & Chairmen of all BoS are requested to make it convenient to attend the meeting. TA and Sitting Fee will be borne by the University to the members attending the meeting as per the VTU norms.

Sd/-

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- College of Engineering, Vijayapur
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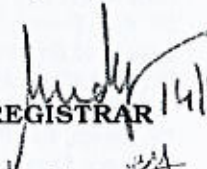


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- 4) The Registrar (Evaluation), VTU, Belagavi, with request to attend the meeting.
- 5) The Special Officer, Academic Section, VTU, Belagavi for information.
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Note: 1. All the Members and Special Invitees are requested to make their own arrangements towards transportation to attend the meeting.

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3. The TA will be disbursed as per KCSR/Government Circulars and orders only.


REGISTRAR 14/12/18



Proceedings of the **Joint BoS meeting held on 06th March 2017** at VTU, Belagavi

Members Present:

1. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi.
2. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
3. Dr. K. Ramachndra, Chairman, BOS in Aeronautical Engg., of VTU, Belagavi.
4. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
5. Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi.
6. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
7. Dr. K.B. Prakash in place of Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi.
8. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
9. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi.
10. Dr. B. R. Lakshmikanth, Chairman, BOS in E & E of VTU, Belagavi.
11. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi.
12. Dr. Manjunath in place of Dr.U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi.
13. Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi.
14. Dr. Ramakrishna in place of Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi
15. Dr. Murugesha Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belagavi.
16. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.
17. Dr. Nandakishore, Chairman, BOS in Automobile Engg., of VTU, Belagavi.
18. Prof. Keshava Murthy, Special Invitee.
19. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi
20. Dr. K.R.Mulla in place of Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi
21. Dr. Sateesh Annigeri, Registrar(Evl). VTU, Belagavi

Agenda:

1. **Modifications in the Regulation pertaining to allotment of credits.**
2. **Review of CBCS 2016-17 Regulations**
 - i. 16 OB 6.1 (iii),
 - ii. 16 OB 9.1(3)
 - iii. 16 OB 11.3
3. **Applicability of Regulations governing B.E/B.Tech under CBCS 2016-17**
4. **Revision of mandatory subjects like 'Management'**
5. **Admission to vacant seats of PG Courses**
6. **NCC as an Elective subject**
7. **Mobile Development Application as inter disciplinary courses.**
8. **Revision of Research Methodology for Ph.D. Program**
9. **Any other matter with the permission of the chair.**

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Hon'ble Vice-Chancellor Dr. Karisiddappa, Chairmen of Board of Studies and also Special invitee Prof. Keshavamurthy, He requested Hon'ble Vice-Chancellor for further proceedings.

Hon'ble Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members The Hon'ble Vice-Chancellor requested members for discussions and deliberations. After detailed deliberations the following resolutions were made.

- Agenda -1** : Modifications in the Regulation pertaining to allotment of credits.
- Resolution** : It is resolved to teach Kannada language and Constitution of India, Professional Ethics and Human Rights during 3rd and 4th semesters with one credit each by adjusting credits of 3rd and 4th Semesters on cycle base concept i.e., 50% of branches of the Institute shall opt Kannada language in 3rd Semester and remaining 50% of branches shall opt Constitution of India, Professional Ethics and Human Rights, vice-versa in 4th Semester respectively. The scheme is enclosed (Annexure-1). The same is in effect from 2017-18 batch. Also Kannada language and Constitution of India, Professional Ethics and Human Rights shall be considered for the eligibility criterion prescribed for promotion.

It is also resolved that, Internal Assessment Marks in each theory course shall be the sum of marks prescribed for test and assignment. Marks prescribed for test shall be 15 and that for assignment be 05.

The Internal Assessment marks for test in a theory course shall be based on three tests generally conducted at the end of fifth, tenth and fifteenth week of each semester. Each test shall be conducted for a minimum of 15 marks and the final test marks shall be the average of three tests, proportionally reduced to a maximum of 15 marks.

The remaining 05 marks shall be awarded based on the evaluation of Assignments/Unit tests/Written Quizzes that support to cover some of the course/program outcomes. Final marks awarded shall be the sum of these two out of maximum of 20 marks.

- Agenda -2** : Review of CBCS 2016-17 Regulations
i. 16 OB 6.1 (iii),
ii. 16 OB 9.1(3)
iii. 16 OB 11.3

Resolution : i). The regulation 16 OB 6.1 (iii) reads as, "*A student obtaining Grade "F" in a course shall be considered failed and is required to reappear in subsequent SEE. Number of attempts taken to clear a course shall be indicated in the grade cards/ transcripts.*"

It is resolved to award the grade secured by the student during his/her reattempt.

ii). The regulation 16 OB 9.1 (2 & 3) reads as,

"A student will be declared successful at the Semester-end or Programme-end only on obtaining each SGPA and CGPA is greater than or equal to 5.00, with none of the courses registered in a Semester/s remaining with "F" Grade."

"In case, the SGPA/ CGPA fall below 5.00, the student shall be permitted to appear again for SEE for required number of course/s (other than seminar and Practical) and times, subject to the provision of 16OB1.5, to make up SGPA greater than or equal to 5.0. The student should reject the SEE results of the previous attempt and obtain written permission from The Registrar (Evaluation) to reappear in the subsequent SEE".

It is resolved to consider passing standard of SGPA/CGPA of 5.00 from the 2016-17 batch, however SGPA/CGPA falling below 5.00 cannot be considered for vertical progression, however candidate shall be declared successful by achieving final CGPA of 5.00.

Also it is resolved that, a student is allowed to reappear for maximum 4 Courses per semester i.e. maximum of 16 credits in case SGPA/CGPA falls below 5.00

iii). The Mandatory non – credit courses for all kind of Lateral Entry students viz., Environmental Studies, Advanced mathematics III and IV , Computer Aided Engineering Drawing and Programming in C and Data structure shall not be considered for the Eligibility criterion prescribed for promotion, award of Class, calculation of SGPA and CGPA. However, a pass in the above courses is mandatory before the completion of Degree.

- Agenda -3** : Applicability of Regulations governing B.E/B.Tech under CBCS 2016-17
- Resolution** : It is resolved that, Regulations governing B.E/B.Tech under CBCS 2016-17 are in effect from 2015-16 batch.
- Agenda -4** : Revision of mandatory subjects like 'Management'.
- Resolution** : Respective Board of Studies authorized to revise the contents as per the needs by considering the proposal given by Sri Sharth Arun on Project Management Methodologies.
- Agenda -5** : Admission to vacant seats of PG Courses
- Resolution** : It is resolved that, seats remaining vacant(unfilled), after the completion of PG admission process by Karnataka Examination Authority, shall be filled by the Institution by inviting applications through Press notification. The seats shall be filled by Candidates preferably who have valid GATE/PGCET score. In the absence of such Candidates, admission shall be based on merit in the entrance test conducted at the Institution level. By constituting an Admissions Committee, consisting of the Principal of the College, Head of the concerned Department and the subject experts.
- Agenda -6** : NCC as an Elective subject
- Resolution** : NCC shall be included as an open Elective subject at 5th semester level. A student can opt this as an elective subject to satisfying the prerequisites. Dr. H.C. Nagaraj, Dean, Faculty of Engineering, VTU, Belagavi is requested to frame the modalities and syllabus as per UGC guidelines.
- Agenda -7** : Mobile Development Application as inter disciplinary courses.
- Resolution** : Mobile Development Application shall be included as an open Elective subject at 6th semester level. Dr. Basavaraj Anami, Chairman BoS in CSE/ISE board is requested for framing syllabus.
- Agenda -8** : Revision of Research Methodology for Ph.D. Program.
- Resolution** : Dr. H.C. Nagaraj, Dean, Faculty of Engineering, VTU, Belagavi, is requested to revise the Research Methodology syllabus for Ph.D. Program.

Table Agenda

With the permission of the chair, the following issues taken up for discussion

- Table Agenda-1** : Review and Revision of curricula once in three years.
- Resolution** : It is resolved to write a letter to UGC stating that, Review and Revision of curricula in the University is once in four years and two years for UG and PG Programs respectively as all UG Programs are of 4 years duration and PG of 2years duration.
- Table Agenda-2** : Approval of five years integrated degree in Engineering & Technology program leading to Master of Technology (M.Tech.)
- Resolution** : The matter is deferred.

Table Agenda-3 : Equivalence of UG courses. As per the EC resolutions the courses are considered as equivalent except for teaching career.

Course	Considered Equivalent to	EC Res. No.
Industrial Production Engg.	Mechanical Engg.	9 dt. 4/4/2005
Automobile Engg.	Mechanical Engg.	2.9 dt. 29/5/2006
Transportation Engg.	Civil Engg.	3.2.1 dt. 15/12/2007
Construction Tech. & Mgmt.	Civil Engg.	3.2.3 dt. 6/7/2009
Environmental Engg.	Civil Engg.	3.2.2 dt. 6/7/2009
Information Sc. & Engg.	Computer Science & Engg.	2.2.2 dt. 29/7/2011

Apart from of these the University has also received requests for equivalence for,

1. Electronics & Instrumentation to Electronics & Communication Engg.
2. Instrumentation technology to Electronics & Communication Engg.
3. Tool Engg. (Closed during 2012-13 only two batches) to Mechanical Engg.
4. Information Sc. & Engg. to Information Technology

Resolution : Resolved to consider the request including for teaching career.

Table Agenda-4 : Proposal of inclusion of ITIL (Information Technology Infrastructure Library) Processes (for IT branches)

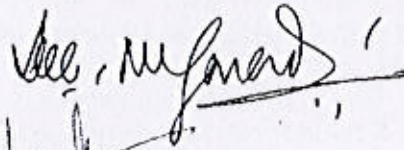
Resolution : Dr. Basavaraj Anami, Chairman BoS in CSE/ISE board is requested to check the details and implementation modalities.

Table Agenda-5 : Age limit for Ph.D./M.Sc. Engg. (By Research) Guide ship.

Resolution : Guide ship for Ph.D./M.Sc. Engg. (By Research) shall be allowed up to 65 (70-5) years for the faculty in service.

The Meeting concluded with thanks by the Registrar, Dr. H.N. Jagannatha Reddy, with a request to all board chairmen to finalize the Scheme for UG programs by 13th March 2017.

Dean:



Registrar:



Vice-Chancellor:



①


Item No.2.2.2	Recommendations of the Joint Board of Studies meeting held on 6-3-2017
	<p>The Chairman stated that the Joint Board of Studies Meetings was called on 6-03-2017 and following agenda items were discussed:</p> <ol style="list-style-type: none">1. Modifications in the CBCS Regulations pertaining to allotment of credits2. Review of CBCS 2017-17 Regulations (i) 16 OB 6.1(iii) (ii) 16 OB 9.1(3) (iii) 16 OB 11.33. Applicability of Regulations governing B.E./B.Tech. under CBCS 2016-174. Revision of mandatory subjects like 'Management'5. Admission to vacant seats of PG courses6. NCC as an Elective subject7. Mobile Development Application as inter disciplinary courses.8. Revision of Research Methodology for Ph.D. Program.9. Any other matter with the permission of the Chair <p>The recommendations of the Joint Board of Studies on the above agenda points are placed before the Executive Council for consideration and approval. The subject was placed before the Academic Senate and the Academic Senate has recommended to approve the recommendations of Joint Board of Studies with certain modifications. The Executive Council approved the same.</p>
	<p>Resolution No.2.2.2 The Executive Council resolved to accept the recommendations of the Academic Senate on the proceedings of JBOS, as under:</p> <ul style="list-style-type: none">• Members suggested revision in the procedure adopted in conducting IA and award of IA marks which is affecting the career of VTU students as compared to the students of Autonomous colleges. The Chairman assured that it will be taken care at the next revision of syllabus under CBCS.• Academic Senate appreciated the stand taken by the University in filling the vacant seats of PG courses, after the completion of PG Admission Process by KEA• Agenda and resolution No.7 to be read as <i>Mobile Application Development</i> instead of Mobile Development Application.• The Dean has come out with the revised Research Methodology Syllabus for Ph.D. programme which will be common to all the branches of Engineering and Management Studies. The Academic Senate recommended to adopt the same. <p>Further, pertaining to filling the vacant seats of PG Courses after the completion of PG Admission Process by KEA, the Executive Council resolved to write a letter to the Government regarding the procedure being adopted.</p> <p>Further, the Executive Council resolved to add to the CBCS 2016-17 Regulations 16 OB 11.3, that 'the candidate shall pass the required Bridge Courses of the UG Programme before the commencement of 7th semester.'</p> <p>Further, The Executive Council resolved to constitute an Expert Committee to finalise the Regulations governing CBCS, pertaining to Vertical Progression of the student during the course.</p>

Members Present:

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6. Dr. C. M. Kalleshappa (officiated for Chairman), BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
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17. Prof.Keshava Murthy, Special Invitee.
18. Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi and Chief Librarian, BMS College of Engineering, Bengaluru
19. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi

Agenda:

1. Finalization of Scheme and Syllabus for 5th to 8th semesters.
2. Finalization of Open Electives.
3. Proposal from CL InfoTech for Industry Aligned Program for VTU Students.
4. Eligibility criteria for admission to M.Tech in Master of Engineering Management Program
5. Proposal from GoK for start of Online Courses under SWAYAM MOOCs.
6. Proposal from PG Students for uploading Thesis prior to exams.
7. Preparation of Model Question Papers.
8. Equivalent subjects for students entering into CBCS from Non-CBCS scheme.
9. Review of PG Theory and Internal Assessment marks.
10. Nomenclature of Instrumentation Technology to Electronics & Instrumentation as per AICTE's nomenclature.
11. Any other matter with the permission of the chair.


24.7.17

Agenda-10	:	Nomenclature of Instrumentation Technology to Electronics & Instrumentation as per AICTE's nomenclature.
Resolution	:	It is resolved to write a letter to AICTE with respect to the nomenclature of the courses.

Table Agenda

With the permission of the chair, the following issues taken up for discussion

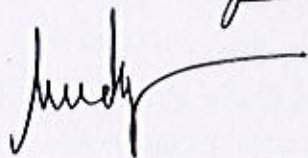
Table Agenda-1	:	Regarding institution of B-Plan course
Resolution	:	It is resolved to retain the syllabus and course code for similar subjects in B.Architecture and B.Plan and also to write a letter to Council of Architecture regarding the institute of B.Plan course in the university and to invite a Industry person as Special Invitee to the Board of Studies.
Table Agenda-2	:	Regarding institution of Aerospace Engineering
Resolution	:	It is resolved to retain the syllabus and course code for similar subjects in Aerospace Engineering, Aeronautical Engineering and Mechanical Engineering.
Table Agenda-3	:	VTU Aerospace Center of Excellence with Dassault Systems
Resolution	:	It is resolved to consider the training program conducted by Dassault Systems under VTU Aerospace Center of Excellence as Internship Program.

The Meeting concluded with vote of thanks by the Chair.

Dean:



Registrar:



Vice-Chancellor:



24.7.17

Item No.2.2.5 Institution of new UG Course 'Aerospace Engineering' – Approval of Scheme and Syllabus of the said course

The Principal, ACS College of Engineering, Bengaluru has requested for the introduction of new UG programme in 'Aerospace Engineering' in the College. The College has submitted the draft syllabus of the said course for the approval of VTU.

The subject along with the draft Scheme and Syllabus of the said course was referred to the Board of Studies in Aeronautical Engineering the BOS has recommended for the institution of the course under VTU and has also approved the Scheme and Syllabus (I to VIII sem.) of the said course.

Now, the subject along with the Scheme and Syllabus is placed before the Executive Council for consideration and approval.

The subject is being placed before the Academic Senate and the recommendations of the Academic Senate will be placed on the table.

Resolution No.2.2.5

The Executive Council resolved to accept the recommendations of the Academic Senate which recommended to approve the institution of UG course 'Aerospace Engineering' in principle.

The Executive Council further resolved to refer the subject to Joint BOS on Mechanical Engineering and other connected branches of the said course to study the syllabus content and give a common University code to the courses, as 80% of the syllabus of the said course is from Mechanical Engineering branch.

Item No.2.2.7	Proposal for starting of new Architecture Course in B. Planning Program and proposal to include B.Plan in BoS of Architecture and Planning
	<p>Director, Nitte School of Architecture, Bangalore has submitted a proposal for the starting of new Bachelor of Planning programme which has been approved by AICTE. He has also requested to include this programme under Board of Studies in Architecture since most of the members of BOS in Architecture in VTU are "Architect Planners", and B.Arch programme has many subjects in common with B.Plan programme.</p> <p>The proposal was referred to the Chairman, Board of Studies in Architecture and the Board has recommended for the institution of this four year B.Plan. course under VTU. The Board has also approved the detailed syllabus and scheme of teaching and examination for proposed course.</p> <p>The proposal, along with BOS approved Scheme and Syllabus is placed before the Executive Council for consideration.</p> <p>The subject is being placed before the Academic Senate and the recommendations of the Academic Senate will be placed on the table.</p>
	<p>Resolution No.2.2.7</p> <p><i>The Executive Council resolved to accept the recommendations of the Academic Senate for the institution of new Bachelor of Planning course under VTU. Further, the Executive Council resolved to refer back the Scheme and Syllabus of the course, to the Board of Studies in Architecture to take opinion from industry people on the syllabus content. Further, the Executive Council suggested to have common code to the courses of B.Arch. which are included in the syllabus of B.Plan.</i></p>

Executive Council Meeting held on 28-06-2017.....

Proceedings of the Meeting of Joint Board of Studies held on 11th July 2016 at VTU Regional Office, Bengaluru 11.00 a.m.

The Joint Board of Studies meeting was convened on 11th July 2016 to discuss on the following agenda:

1. Finalization of III and IV Semester UG Scheme and Syllabus based on CBCS and Bloom's Taxonomy,
2. Finalization of PG Scheme and Syllabus based on CBCS and Bloom's Taxonomy,,
3. Internship Programme for QIP and Part Time Students,
4. Internship and Project for the Part Time PG students,
5. Adding Electives in Engineering physics suggested by few faculty members.
6. Any other matter with the permission of the chair.

The Registrar, Dr. H.N. Jagannath Reddy formally welcomed Hon'ble Vice-Chancellor Dr. V. Sridhar and Chairmen of newly formed Boards of Studies, also Special invitee Dr. M.S. Shivakumar and requested Hon'ble Vice-Chancellor for further proceedings.

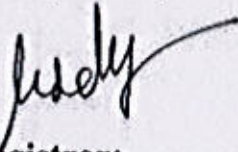
Hon'ble Vice-Chancellor once again welcomed Chairmen of newly formed Boards of Studies and Special invitee Dr. M.S. Shivakumar. Hon'ble Vice-Chancellor addressed regarding feedback received from faculty and other stake holders about revised Schemes and Syllabus to be adopted from 3rd to 8th semesters and PG programmes. The Hon'ble Vice-Chancellor requested Hon'ble members for discussions and deliberations. After detailed deliberations the following resolutions were made.

- UGC introduced CBCS to bring uniformity among all universities but in totality the system works in Autonomous colleges and deemed universities. However, university is adopting the same with certain modifications, in this regard.
- Regulations governing the CBCS to be reviewed and incorporated.
- Registration process and dropping of courses are not included in regulations.
- Committee shall be formed to review regulations governing CBCS.
- Resolved to adopt letter grades and guidelines as defined by AICTE regarding CBCS.
- No electives at 3rd and 4th semester levels. Electives are offered from 5th semester onwards with open elective concept one each in 5th and 6th semesters.
- 6 Theory and 2 Labs to be introduced in all semesters (UG).

- The Scheme for 3rd and 4th semester UG programme and for PG Programme has been finalized (Annexure I).
- Textile board is permitted to follow the existing course structure.
- Review on CIP and CIV courses and nature of examination conduct may be taken up during next syllabus review during 2019-20.
- Internship exams are to be carried out like practical exams i.e. if examiner is not available from industries, an external examiner may be called from counterpart colleges. Internship to be conducted during vacation period only.
- Part-time and QIP PG programs students have to take up internship during vacation if candidate is from teaching fraternity and if candidate from industry has to carryout work in industry other than where the candidate is working.
- Some weightage shall be given for publications in the M.Tech. Thesis evaluation.
- To download the curriculum of other reputed universities / institutions and refer for framing the curriculum and scheme for higher semesters.

Meeting was concluded with the thanks by the Registrar, Dr. H.N. Jagannatha Reddy also he requested all board chairmen to finalize the Scheme and syllabus within 20th July 2016.

Dean, Faculty of Engineering:



Registrar:



Vice-Chancellor:



Visvesvaraya Technological University, Belagavi

Proceedings of the **Joint Board of Studies** meeting held on **19th August 2016** at VTU Regional Office, Bangalore

Members Present:

1. Dr. V. Sridhar, Vice Chancellor and the Chairman, JBoS
2. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU
3. Dr. M. S. Shivakumar, Hon'ble Executive Council Member, VTU, Special Invitee
4. Dr. Omprakash S Bawane, Chairman, BOS in Architecture
5. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences
6. Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology
7. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science
8. Dr. Aswath M. U., Chairman, BOS in Civil Engg.
9. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C
10. Dr. B. R. Lakshmikanth, Chairman, BOS in E & E
11. Dr. M. C. Jagath, Chairman, BOS in IPE
12. Dr. Mallikarjun. S. Holli, Chairman, BoS in Electronics & Instrumentation Engineering
13. Dr. U. Bhojanna, Chairman, BOS in Business Administration
14. Dr. R. P. Reddy, Chairman, BOS in Mech. Engineering
15. Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology
16. Dr. Vasudev T, Chairman BOS in MCA
17. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology
18. Dr. Keshava Murthy, Special Invitee.

Agenda:

1. Finalization of PG Programme Regulations under CBCS.
2. Finalization of PG Programme syllabus under CBCS.
3. Discussion on scheme to be followed by detained students joining the 3rd semester from conventional system.
4. Discrepancies in M.Tech 3rd Semester Internship Marks under CBCS.
5. Equivalence of UG Courses.
6. Any other matter with permission of the chair.

Minutes of the Meeting:

Dr. H.N. Jagannatha Reddy, Registrar, VTU, formally welcomed Dr. V. Sridhar, Hon'ble Vice-Chancellor and Chairman of Joint Board of Studies, VTU, Special invitees Dr. M.S. Shivakumar & Dr. Keshavamurthy and all the members to the meeting. He also also requested the Hon'ble Vice-Chancellor to Chair and to conduct the proceedings of the meeting.

The Hon'ble Vice-Chancellor on his behalf welcomed the members and briefed about the action taken on the resolutions of the previous JBoS meeting held on 11th July 2016. He requested

members to deliberate on the agenda and make recommendations. After detailed deliberations the following resolutions were made.

1. Agenda item 1: Finalization of PG Programmes Regulations under CBCS:

The committee reviewed the PG Regulations placed on the table and noted that:

- i) The procedure for registration and dropping of courses were not specified in the Regulations.
- ii) Evaluation procedure for Internship is to be similar to that of practical exams i.e. if examiner is not available from industries an external examiner may be called from other Colleges.
- iii) As lateral entry admission at 2nd year level of course in UG and MCA programs are permitted, the rank declaration for the courses have to be made by considering the results starting from 2nd year level of the course.

Resolution: Resolved to accept in principle the Common Regulations under Choice Based Credit System for all PG programs as placed on the table. However, the Committee authorized the Special Invitees Dr. M.S. Shivakumar and Dr. Keshavamurthy, to take note of the above observations and recast the CBCS regulations for M.Tech., MCA and MBA inline with the structure of the already approved BE/ B.Tech. Regulations under CBCS system, so that uniformity is maintained across all the PG course Regulations to the extent as far as possible.

2. Agenda item 2: Finalization of PG Programmes syllabus under CBCS:

Resolution: Resolved to approve the Scheme and Syllabus of all M.Tech., MCA and MBA programmes as recommended by the respective Board of Studies.

3. Agenda item 3: Discussion on scheme to be followed by detained students joining the 3rd semester from conventional system:

Resolution: The failed/discontinued students taking readmission/joining the CBCS scheme shall follow the prevailing CBCS scheme and the marks obtained by them in the earlier semesters shall be converted into corresponding letter grades using the present Regulations.

4. Agenda item 4: Discrepancies in M.Tech. 3rd Semester Internship Marks under CBCS:

Resolution: Resolved to make modifications and incorporate the same the Scheme of Teaching and Examination.

5. Agenda item 5: Equivalence of UG Courses:

Resolution: A committee shall be constituted to frame guidelines for declaring equivalence of the UG courses for the purpose of employment and higher studies.

6. Agenda Item 6: Any other matter with permission of the chair:

The subjects proposed by the members were discussed and the Committee resolved as follows:

- (a): Because the CBCS scheme is being newly introduced in the University, the Institutions shall take necessary steps to educate the students at regular intervals regarding passing standards and promotion criteria.
- (b): In the BE/B.Tech Courses, a student shall complete the mandatory courses like MATDIP, CIV and CIP before obtaining admission to final year of the course.
- (c): The dissertation reports of UG and PG programs printed on both sides of the sheet shall be accepted by the University. However, for the Ph.D and M.Sc (Engg) thesis the prevailing regulation shall continue.
- (d): Resolved to include the Chairman, Board of Studies, as Co-opted member in the respective Board of Examiners.
- (e): Regional level workshops shall be organized for Faculty to train them for writing effective Course Outcome statements and setting question papers helpful in assessing Program Outcomes as per NBA requirement.
- (f): Regional level workshops shall be organized for Principals, HODs and Senior Faculty to educate them for smooth implementation of CBCS scheme in their respective Institutions.

The meeting concluded with the thanks to the Chair by the Registrar, Dr. H.N. Jagannatha Reddy, and he also requested all the BOS Chairmen to finalize the Scheme and Syllabus for PG programs in the format provided by the University and submit to the University with in a week, as PG classes are notified to commence from 1st September 2016.


Registrar

Visvesvaraya Technological University, Belagavi

**Proceedings of the Joint Board of Studies meeting held on 19th August 2016 at VTU
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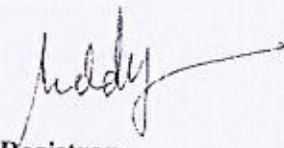
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3. *Internship Programme for QIP and Part Time Students,*
4. *Internship and Project for the Part Time PG students,*
5. *Adding Electives in Engineering physics suggested by few faculty members.*
6. *Any other matter with the permission of the chair.*

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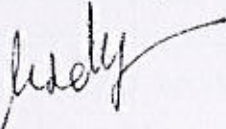
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Dean, Faculty of Engineering:



Registrar:

Vice-Chancellor: