

**Visvesvaraya Technological University**  
"Jnana Sangama"

To,  
The Registrar  
VTU, Belagavi – 590 018

Sir,

**Sub:** Minutes of online ECE/TCE BoS meeting held on March 18, 2022 (Friday) for ratification & discussion on identified 3<sup>rd</sup> to 8<sup>th</sup> semester scheme of subjects

**Ref:** Circular-3-8 scheme BE as per Proceedings of JBoS dated 28.02.2022

**Minutes of Online BoS Meeting of ECE/TCE Board**

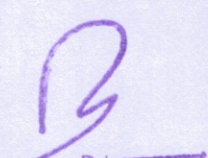
An online meeting on the ECE 3-8 Semester scheme of subjects as per the revised notification (Proceedings of JBoS dated 28.02.2022) was held on March 18, 2022 from 2.30 to 4 p. m.

The recording of the meeting is available at:

[https://drive.google.com/drive/folders/1tSdarBJQQ\\_O\\_D\\_dwRYfV76mZf4yOGqRp?usp=sharing](https://drive.google.com/drive/folders/1tSdarBJQQ_O_D_dwRYfV76mZf4yOGqRp?usp=sharing)

The list of BoS members present for the meeting and their interactions are attached herewith.

Sl. No.	Name & Address & Designation Mobile No., Email ID	Remarks & Resolution
1	<b>Dr. M K Venkatesha Chairman</b> Principal, RNS Institute of Technology Channasandra, Rajarajeshwari Post Bengaluru – 560 098 <b>9880867337</b> mkvenkatesha@gmail.com	Dr. M K Venkatesha, Chairman, welcomed the BoS members, gave an overview of the new NEP based scheme, requested the members to provide their suggestions & feedback and deliberated to include the changes in the revised scheme wherever possible.
2	<b>Dr. T M P Rajkumar Member</b> Professor & Head. Dept. of E&C Engg. Anjuman Institute of Tech & Mgt., Anjumanabad Bhatkal – 581 320 <b>9242313512</b> ;rajkumartmp94@gmail.com rtmpraaj@rediffmail.com	Dr. Rajkumar appreciated the good work put into the revised scheme circulated for discussion. He observed that opamps & Power electronics are retained, also modern subjects such as AI/ML are added as elective. He suggested to make it mandatory for all colleges to include a microstrip antenna lab-setup.
3	<b>Dr. S V Sathyanarayana Member</b> Professor, Dept. of E&C Engg. JNN College of Engineering, Shivamogga. <b>9886494150</b> svs@jnnce.ac.in	Dr. Sathyanarayana suggested the following: The maths for communication subject is to be delivered by ECE faculty and not Maths faculty, If possible AEC subjects should be allotted 2 Hrs, DSP & OOP with Java to be swapped for continuity with Basic Signal processing in 4 <sup>th</sup> sem, sufficient time to be given for Project work, as 7 <sup>th</sup> & 8 <sup>th</sup> semesters are swapped, Project work along with 5 subjects in one semester is less time. Dr. M K Venkatesha replied: According to the scheme, only Maths faculty should handle the subject, ECE board will provide the syllabus, the AEC of 1 Hr is pan India and the structure is provided from NEP, will look into the swapping of Java & DSP, will connect with Registrar for possibility of evaluating the Project work after one year

  
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		duration.
4	<b>Dr. D J Ravi Member</b> Professor & Dean, Dept. of E&C Engg. Vidyavardhaka College of Engg. Gokulam 3 <sup>rd</sup> Stage, Mysuru – 570 002 9448790254 ;ravidj@vvce.ac.in	Dr. Ravi appreciated the work behind the framing of the new scheme. He noted that all the relevant points raised in the previous BoS meeting were taken care. Also he extended his support in framing the syllabus for the new scheme.
5	<b>Dr. T C Thanuja Member</b> Professor Dept. of VLSI Design and Embedded System VTU Center for PG Studies, Belagavi 9886941715 tc.thanuja@gmail.com tcthanuja@vtu.ac.in	Dr. Thanuja reiterated that she had communicated before in regard with new subjects which she proceeded to present before the board. Inclusion of radar engineering (defense subject), e-waste management, sensors & actuators& communication interfacing subjects, if possible, as global electives. Dr. M K Venkatesha appreciated her commitment, stated that the concerned subject inclusion is possible if proper syllabus and textbooks are available.
6	<b>Dr. Jagadeesh Chandra A P Member</b> Professor, Dept. of E&C Engg. Adichunchanagiri Inst. of Technology Jyothi nagar Post, Chikmangaluru – 577 102 9448759176 ;apjchandra@gmail.com	Dr. Jagadeesh noted that wireless communication as an elective can be made core in place of PSoc in 7 <sup>th</sup> sem. He also asked for MATLAB based labs Dr. M K Venkatesha replied that PSoc was for 2 credits & MCQ based, but will look into the possibility. Also, MATLAB was specified in two of the IPCC subjects and in a few AEC subjects the toolboxes were also included.
7	<b>Dr. Prabhushetty K Member</b> Professor, Dept. of E&C Engg. S G Balekundri Institute of Tech. Shivabasvanagar, Belagavi – 590 010 9731884268 kprabhushetty1@gmail.com	He noted that Electromagnetic wave theory may be difficult for Maths faculty to teach and if possible to make EMW a full subject. He also agreed about the time for Project work being less. Dr. M K Venkatesha replied that providing a full subject is not possible, as the internship is occupying most of the time in the scheme, which is as per NEP.
8	<b>Dr. Andhe Pallavi Invited Member</b> Professor & Dean, RNSIT, RR Nagar Post Bengaluru – 560 098 9739059690 pallavi_ap@yahoo.com	Dr. Pallavi facilitated the online meeting link, noted down all the points raised, and after confirmation from Dr. M K Venkatesha, further revised the 3-8 Semester ECE scheme and circulated to the members for further feedback.

Thanks and Regards,

**Dr. M K Venkatesha**  
Chairman, ECE/TCE BoS  
Principal, RNS Institute of Technology

  
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**Proceedings of the BOS online meeting in Electrical & Electronics  
Engineering held on 08 – 01 – 2022 at 11.00**  
(Vide: VTU/Aca/A9/2022//5036 dated 06 Jan 20212)

Members present		
Sl No.	Name	Position
1	Dr.H.R. Sudarshan Reddy	Chairman
2	Dr. G.H. Kulkarni	Member
3	Dr. R Prakash	Member
4	Dr. Manjunath K	Member
5	Dr. Surekha Manoj	Member
6	Dr. Netravathi	Member
7	Dr.Basavaraj V Madiggonda	Member
8	Prof .V. Keshava Murthy	Special Invitee
9	Prof . Pavan Kumar Y	Special Invitee
10	Dr. Chandrashekar Reddy Atla	Special Invitee
Members Absent		
1	Dr.B.R. Natarajan	Member
2	Dr. Rakesh Babu Panguluri	Member

The Chairman, BOS in Electrical and Electronics Engineering welcomed the members of BOS, and the Special Invitees and requested to deliberate in detail on the agenda for a fruitful outcome. The resolutions are as follows:

**Agenda 1:** Formation of the 3<sup>rd</sup> to 8<sup>th</sup> semesters scheme of teaching and examinations of B.E (E and E) 2021.

**Resolution 1**

Subsequent to the deliberations, the Draft Scheme of Teaching and Examinations - 2021 of BE programme in Electrical and Electronics Engineering was finalised.  
Copy of the same is enclosed.

**Agenda 2:** Discussions regarding the formation of syllabus for higher semesters according to NEP 2020.

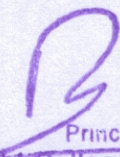
**Resolution 2**

As the University is calling for the feedback from faculty, it was decided to revise the Draft Scheme of Teaching and Examinations – 2021 with reference to the feedback and then formulate syllabus.

**Agenda 3:** Any other subjects with permission of the Chair.  
No issues were considered under agenda – 3.

Sd/-

Dr H.R.Sudarshana Reddy, M.E.,Ph.D.,FIE.  
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## Proceedings of the BOS(CS/IS) meeting held on 12/02/2022

(ONLINE meeting Online BOS Meeting - CS/IS Board, Time: 12/02/22, 3PM India  
Zoom Meeting: Meeting ID: 787 870 1728 )

**Chairman** welcomed all the members to the online meeting and given brief introduction to the topics to be discussed in the meeting.

Members present in the meeting are:

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

### 1. Review of feedback for the Scheme(NEP) 2021 received from the stakeholders

Consolidated feedback report prepared by Dr Antony P. J is presented in the meeting. Following are the key aspects of the report.

1. Core laboratories introduced in the 3<sup>rd</sup> and 4<sup>th</sup> semester requires 2hrs of tutorial to teach the theory components to understand and execute the programs effectively in the laboratory.

**Remarks:** Committee felt that above suggestion is essential and requesting the university to accommodate 2hrs of tutorials in the L-T-P-S as 0-2-2-0 and increasing the credits to 2.

2. Only one core theory component in the 7<sup>th</sup> semester and there is no laboratory to that subject. Making this course as integrated course helps the student to understand the subject more effectively.

**Remarks:** Committee felt that it is good suggestion and requesting the university to consider the same by changing L-T-P-S of 3-0-2-0 and increasing the credits to four(4).



3. Few more AEC courses are suggested by the stakeholders to meet the current industry requirements.

Remarks: Committee recommends to introduce suggested courses into the AEC components based on the syllabus and textbooks availability.

4. One of the subject introduced in the 5<sup>th</sup> semester i.e. "Artificial intelligence and Machine learning", requires laboratory component hence L-T-P-S of this subject can be changed 3-0-2-0 and credits to be changed to four(4).
5. For Mini project L-T-P-S is to modified as 0-0-2-0, In the scheme it is not mentioned.

Totally four credits are required to accommodate the above changes in the scheme. Committee suggested to take 4 (four) credits from the internship subject of 8<sup>th</sup> semester which is presently having 15 credits are allotted.

This four credits can be distributed and it is as shown below

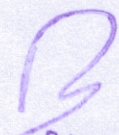
Semester	Subject	Modification suggested	Credit change
3 <sup>rd</sup>	Core lab 21CSL35	0-0-2-0 to 0-2-2-0	1 to 2
4 <sup>th</sup>	Core Lab 21CSL45	0-0-2-0 to 0-2-2-0	1 to 2
5 <sup>th</sup>	21CS54	3-0-0-0 to 3-0-2-0	3 to 4
6 <sup>th</sup>	21CSMP67(mini Project)	Blank to 0-0-2-0	No change
7 <sup>th</sup>	21CS71	3-0-0-0 to 3-0-2-0	3 to 4

Committee appreciated the consolidated feedback report for the scheme 2021 (NEP) prepared by Dr Antony P J and appreciated him for the very nice report.

Chairman thanked all the members present in the meeting for the active participation in the meeting.

-sd-

Dr. Shreedhara K S  
Chairman, BOS in CS/IS  
UBDTCE, Davanagere

  
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**PROCEEDINGS OF JOINT BOARD OF STUDIES MEETING HELD at VIAT  
MUDDENHALLI, BENGALURU ON 25<sup>th</sup> May 2022 at 11.30am**

**Members Present:**

- 1 **Dr. Karisiddappa** - Honorable Vice-Chancellor, Visvesvaraya Technological University, Belagavi
- 2 **Dr. A S Deshpande** - Registrar, Visvesvaraya Technological University, Belagavi
- 3 **Dr. N V R Naidu**, Dean Faculty of Engineering, Visvesvaraya Technological University, Belagavi & Principal, M.S.R.T., Bengaluru.
- 4 **Dr. M K Venkatesha**, Chairman. BOS in ECE / TCE and Principal, RNS Institute of Technology, Channasandra, Rajarajeshwari Post, Bengaluru - 560 098
- 5 **Dr. K B Prakash**, Chairman BOS in Civil / Transportation Engineering. of VTU, Belagavi, Principal, Government Engineering College, Vidyanagar, 'B' Block, 1<sup>st</sup> Main Road, Haveri - 581110.
- 6 **Dr. Vadiraj V Katti**, Member Academic Senate VTU, Chairman BOS in Mechanical Engineering. of VTU, Belagavi
- 7 **Prof. V P Tankasali**, Chairperson, BOS in Architecture. of VTU, Professor Architecture Department, BLDEA's V.P. Dr. Halakatti College of Engineering & Technology, Vijayapura
- 8 **Dr. Mallikarjuna Holi** Chairman Dept. of E & IT, UBBDT Engineering College, Davangere
- 9 **Dr. H G Nagendra**, Chairman BOS in Bio-Technology. of VTU, Belagavi, Prof & Head of Dept. of Bio-Technology, Sir M Visvesvaraya Institute of Technology, Bengaluru
- 10 **Dr. H R Sudarshan Reddy**, Chairman BOS in Electrical & Electronics Engineering. of VTU, Belagavi, Professor, Dept. of Electrical & Electronics Engg., VIAT, Muddenhalli
- 11 **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.
- 12 **Dr. T Manjunatha**, Chairman BOS in Business Administration. of VTU, Belagavi Chairman & Professor, Dept. of Management Studies, UBBDT Engineering College, Davangere - 577 004.
- 13 **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.
- 14 **Dr. Shreedhara K. S.** Chairman BOS in Computer Science & Engineering of VTU, Belagavi, Professor, Dept of CS/IS Engg., UBBDT College of Engineering, Davangere
- 15 **Dr. K Fakrudhin**, Chairman BOS in Basic Sciences. of VTU, Belagavi Professor & Head, Dept. of Physics, Ghousia College of Engineering,



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**Members on Leave**

- 16 **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.
- 17 **Dr. H S Dayananda**, Chairman, BOS in Humanities of VTU, Belagavi & Professor & Head, Dept., of Civil, Vidyavardhaka College of Engineering, Mysuru
- 18 **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.

**Minutes of the Meeting:**

Registrar, Dr. A S Deshpande welcomed the Honorable Vice-Chancellor Professor Karisiddappa, Chairman, Joint Board of Studies, Dean Dr. N.V.R. Naidu, and Chairpersons of BOS. He requested the Honorable Vice-Chancellor for further proceedings. Honorable Vice-Chancellor and Chairman of JBoS, Professor Karisiddappa welcomed the chairpersons of BoS, Dean and requested their active participation, discussions, and fruitful conclusions. The proceedings of the meeting are as under:

The proceedings of the Joint Board of Studies meeting held on 28<sup>th</sup> February 2022 and approved in the Executive Council Meeting held on 09<sup>th</sup> March 2022 (164<sup>th</sup>) were placed for information.


**Agenda 01** The approval of the higher semester's syllabus of various (3<sup>rd</sup> to 8<sup>th</sup>-semesters for B. E./B. Tech./B. Plan and 3<sup>rd</sup> to 10<sup>th</sup> semester's syllabus of B.Arch.) programs. And, permitting the BoS to update the syllabus based on the feedback from the stakeholders of the University (if any)... and resubmit it to the university.

**Recommendation** The Hon'ble Vice-Chancellor appreciated the effort of all chairpersons and members of the BoS and thanked them for the preparation of an effective syllabus for the 3<sup>rd</sup> to 8<sup>th</sup>-semesters for B.E./B. Tech./B. Plan and 3<sup>rd</sup> to 10<sup>th</sup> semester's syllabus of B.Arch., programs. All the syllabi that were placed before the joint Board of Studies were recommended for approval. Also, it is permitted to update /correct based on the feedback received from the stakeholders of the University and resubmit the updated syllabus on or before 31.05.2022 and not later than 05.06.2022. In the meantime, regarding the subject/codes need to be discussed with Registrar (Evaluation) from the conduct of examination and assessment point of view.

**Agenda 02** Approval Scheme of Teaching and Examinations of B.Sc.(Hons) programs which were updated for a total of 160 credits.

**Recommendation** The updated 3<sup>rd</sup>-semester common scheme, 4<sup>th</sup> to 8<sup>th</sup> semester's scheme for Physics, Chemistry and Mathematics stream and 3<sup>rd</sup> to 4<sup>th</sup> semester's syllabus were recommended for approval. The board agreed to submit the remaining semester's (5<sup>th</sup> to 8<sup>th</sup>) syllabus on or before 31.05.2022 but not later than 05.06.2022

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**Agenda 03** Approval of Regulations Governing the award of Minor Degree at B.E./B.Tech. Degree programs of the University

**Recommendation** After deliberation the JBoS recommended for Online Courses for award of the minor degree program at B.E./B.Tech programs. Chairpersons of the board were requested to find out and submit the courses for different tracks of minor degree programs referring to ONLINE sources like MOOCs, NPTEL, Coursera, I&TEdutech, IIT /IISc online programs etc. The successful completion of these courses through proctored examination would be considered for the award of the credits. Also, suggested to update the regulations governing award of minor degree at B.E./B.Tech. degree programs to suit the Online courses.

**Agenda 04** Approval of Equivalence details for the students who are seeking admission to the 3rd semester to 2021 scheme from 2017 and 2018 scheme during the academic year 2022-23.

**Recommendation** After deliberation following recommendations were made for the approval-

- 2015-16 and 2016-17 Batch admitted regular and lateral entry students respectively are not permitted for readmission to 3rd semester of 2021 scheme as they will not get official permitted duration to complete the degree.
- 2017-18 and 2018-19 admitted regular students are **permitted** for readmission to 3rd semester of 2021 scheme and they shall complete the degree within the specified duration in the regulations.
- 2018-19 admitted lateral entry students are **not permitted** for readmission to 3rd semester of 2021 scheme as they will not get official permitted duration to complete the degree.
- However, 2019-20 admitted lateral entry students are **permitted** to take readmission to 3rd semester of 2021 scheme and they shall complete the degree within the specified duration in the regulations.

Following are the additional subjects recommended for study and pass before the completion of the maximum duration for the award of the degree.

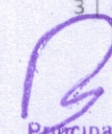
**2018 regular and lateral entry** admitted students taking readmission to 3rd-semester (2021 scheme) during 2022-23 have to study and pass additional subjects as listed below-

- (1) 21SFH19/29- Scientific Foundations of Health (01 Credit)
- (2) 21IDT19/29- Innovation and Design Thinking (01 credit)
- (3) The student has to undergo the **Intra/ Inter-Institutional Internship** in the intervening period of III and IV semester and earn CIE marks.

**2017 regular batch** admitted students taking readmission to 3rd-semester (2021 scheme) during 2022-23 have to study and pass additional subjects as listed below-

- (1) 21EEL17- Basic Electrical Engineering Laboratory 1 Credit
- (2) 21SFH19/29- Scientific Foundations of Health 1 Credit
- (3) 21IDT19/29- Innovation and Design Thinking 1 Credit
- (4) 21EGH28- Professional Writing Skills in English 2 Credits
- (5) The student has to undergo the **Intra/ Inter-Institutional Internship** in the intervening period of III and IV semester and earn CIE marks

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- The student has to mandatorily complete the additional courses mentioned above by satisfying CIE and SEE requirements for the award of a degree.
- The additional courses suggested for study and pass shall not be considered for vertical progression. However, the letter grades earned shall be considered for SGPA and CGPA and class declaration.
- The student who has changed the scheme of study shall not be considered for rank declaration or any academic medal.
- For 2017 scheme students taking readmission to 2021 scheme of study has studied 17CIV28 Environmental Studies as an audit course, he/she shall study the same course if prescribed in any semester from 3rd to 8th for a credit.

Any student joining 3<sup>rd</sup> semester through readmission must follow 2021 scheme of study. However for readmission to higher semesters students have to continue in the existing scheme of study and college has to make the provision for the same.

Joint board of Studies recommended all above points for approval of AS and EC.

**Agenda 05** Approval of 2021 Scheme and Syllabus of Post Graduate Diploma in Industrial Safety Management (PGDISM) Program.

**Recommendation** The scheme and Syllabus of Diploma in Industrial Safety management (PGDISM) program were recommended for approval with ratification. However, letter shall be sent to Institute for compliance of the suggestions/opinions submitted by the chairperson BoS in Mechanical Engineering.

**Agenda 06** Discussion and recommendation of Proceedings of the BoS in Textile/Silk Technology meeting held on 13.11.2021

**Recommendation** After detail deliberation it is recommended to have 21MAT31 which is a common syllabus (for all the programs) for Textile /Silk Technology program at 3<sup>rd</sup> semester level and 21MAT41 program specific mathematics course at 4<sup>th</sup> semester level. Recommended teaching department for the 21MAT41 course is Mathematics / Silk /Textile Department.

Joint Board of Studies recommended above points for the recommendations of approval of AS and EC.

The meeting concluded by a vote of thanks by Registrar, Prof. A.S. Deshpande

25.5.2022  
REGISTRAR

26.5.22  
VICE CHANCELLOR

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