



RV College of Engineering, Bangalore

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS

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Department of Electronics and
Telecommunication Engineering

Ph: 080-68188213, 8214
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Department: Electronics & Telecommunication Engineering

Programme: B.E. (Electronics & Telecommunication Engineering) & M.Tech (Digital Communication)

The following are the new courses added in the curricula in the respective curricular revisions made in 2018, 2021 and 2022 schemes. Curricular revisions were discussed thoroughly at the respective Board of Studies meetings. The new courses added are reflected in the revised curricula with the course codes.

Sl. No.	Title of the new course added	Course code	Scheme in which the new course is added
1	Design thinking Lab	18TE47	2018
2	Introduction to Embedded System Design	18TE5A1	2018
3	Semiconductor Devices and Circuits	18TE5A2	2018
4	Control systems	18TE5A3	2018
5	Computer architecture and organization	18IS5A4	2018
6	Sensors and actuators	18TE5A6	2018
7	DSP Applications	18TE6C3	2018
8	Minor Project	18TE64	2018
9	Internship	18TE74	2018
10	Deep learning & AI	18TE7F3	2018
11	Wireless Network & Standards	18TE7F4	2018
12	RF Circuits & Systems	18TE7F5	2018
13	Programming, Data Structures And Algorithms Using Python	21ET4A1	2021
14	Design and analysis of algorithms	21ET4A2	2021
15	Advanced Computer Architecture	21ET4A3	2021
16	Data Base Management System	21ET4A4	2021
17	Data Science for Engineers	21ET4A5	2021
18	Object Oriented Programming and Machine Learning Laboratory	22MDC14L	2022
19	Mobile Adhoc Networks	22MDC1A1T	2022
20	Multimedia Communications	22MDC1A2T	2022
21	Image Processing and Computer Vision	22MDC1A3T	2022
22	Artificial Intelligence and Deep Learning	22MDC1B1T	2022
23	RF and Microwave Circuit Design for Wireless Communication System	22MDC2C1T	2022



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24	Vehicular Communications and Networks	22MDC2C2T	2022
25	Software Defined Networks in Telecom Industry	22MDC2C3T	2022
26	Robotics and Industrial Automation	22MVE2C3T	2022
27	5G Advanced	22MDC2C4T	2022

Sneelashmi.k

**BoS-CHAIRMAN
(Electronics &
Telecommunication
Engineering)**

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059

[Signature]

**DEAN ACADEMICS
DEAN ACADEMICS**
R.V. College of Engineering
Bengaluru - 560 059

[Signature]
PRINCIPAL

PRINCIPAL
RV COLLEGE OF ENGINEERING
BENGALURU - 560 059



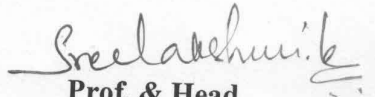
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R.V.COLLEGE OF ENGINEERING
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DEPARTMENT OF TELECOMMUNICATION ENGINEERING

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Mysore Road,
BANGALORE-560059

Dear Sir / Madam,

Department of Telecommunication Engineering, RV College of Engineering, Bangalore, is in the process of revising the curriculum for the approval of the revised 2018 scheme for Post graduate programmes, M.Tech in Digital communication & M.Tech in RF and Microwave Engineering. In view of this, the 21st BoS meeting is convened on **20th August 2018, at 10.00am**. I invite you cordially to attend the BoS meeting and give your valuable inputs.


Prof. & Head
Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bangalore-560 059

RV COLLEGE OF ENGINEERING
(An Autonomous Institute, Affiliated to VTU)
DEPARTMENT OF TELECOMMUNICATION ENGINEERING
MINUTES OF THE MEETING FOR THE 21st BOARD OF STUDIES (BoS) -2018

Agenda:

1. Approval of the revised 2018 scheme for Post Graduate programmes, M Tech in Digital communication & M Tech in RF and Microwave Engineering.

2. Action taken on the feedback by the stake holders was discussed.

BoS meeting was held on 20th August 2018 at 10.00 am in the Dept. of Telecommunication Engineering, RVCE for the Approval of revised 2018 scheme for Post Graduate programmes, M Tech in Digital communication & M Tech in RF and Microwave Engineering.

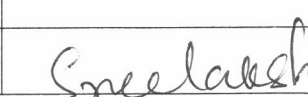
The following are the BoS committee members and other invitees:

Sl. No.	Category	Committee Members	Comment
1.	Chairman	Dr. G Sadashivappa Professor, Dept. of Telecommunication Engineering, R.V.C.E. Bengaluru.	Present
2	BOS Members	1 Prof. Manjunath.R.K Addl.Professor Dept. of Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
		2 Dr. K. Sreelakshmi Professor and Head Dept. of Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
		3 Prof. P. Nagaraju Associate Professor Dept. of Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
		4 Dr. K. Nagamani Associate Professor Dept. of Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
		5 Dr. Premananda B. S. Associate Professor Dept. of Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
3.	Subject Experts from inside the College	1. Dr. H. V. Kumaraswamy Professor, Dept. of Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
		2. Dr. Roja Reddy B, Associate Professor Dept. of Telecommunication Engineering R V College of Engineering, Bengaluru.	Present

		3. Prof. Nagendra N N , Assistant Professor Dept. of Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
4.	Subject Experts from outside the College	1. Dr. Kanmani B , Professor & Head, Dept. of Telecommunication Engineering, B.M.S.College of Engineering, Bangalore-560019. Ph:9448375397 email:bkanmanitce@bmsce.ac.in	Absent
		2. Dr. K. V. Suresh , Professor Dept. of of Electronics and Communication Engineering, Siddaganga Institute of Technology, Tumkuru – 572103 Ph: 9480408091 email: sureshkvsit@gmail.com	Present
5.	VTU Nominee	Dr. Vijaya P.A. Professor & Head Dept. of Electronics and Communication Engineering, BNM Institute of Technology, Banashankari 2 nd Stage, Bengaluru – 560070 Ph: 9980632822 email: pavmkv@gmail.com	Present
6.	Representative from Industry	Mr. H. C. Mahesh Senior Manager, Product Development Enterprise Switching and Access Group CISCO Systems India Pvt. Ltd., SEZ, Cessna Park, Sarjapura-Marathalli Outer Ring Road Bengaluru – 560103 Ph: 9008845680 email: hcmahesh@cisco.com	Absent
7	Alumnus	Mr. Ganesh Shankar M/S FluxGen Engineering Technology Pvt. Ltd.#1064, 1st Floor, 18th main , 2ndstage, BTM Layout, Bangalore-560076 ganesh@fluxgentech.com	Absent

The meeting started with the warm welcome from BoS Chairman to all the BoS Members. Following are the deliberations:

Sl. No.	Members	Suggetions/Comments received	Remarks/Action taken
1.	Dr. G Sadashivappa	Informed the members about the revised 2018 scheme and the change in the number of credits 100 to 88 credits in the 2018 scheme. The scheme frame work has been decided at the College level. The Chairman informed the members about Programme Specific Criteria, Programme education objectives, Programme outcomes and Programme specific outcomes.	Members agreed
2.	Prof R K Manjunath	The credit Structure cannot be changed as the decision has been taken in the common BoS held in the College level.	Members agreed

3.	Dr. K Sreelakshmi	<p>Informed the members that there is no change in the Programme Specific Criteria, Programme education objectives, Programme outcomes and, Programme specific outcomes.</p> <p>Informed the members that the Audit course could be anything related to the domain as suggested by AICTE.</p> <p>Suggested to include Software defined Network instead of VLSI for Communication.</p> <p>Suggested to split the Technical seminar credits in III sem and IV sem to avoid the external examination.</p> <p>Suggested to have 3 credits courses to have 30-36 hrs and 4 credits courses to have 35 – 40 hrs</p>	<p>Members agreed</p> <p>Members agreed to have the Phase I evaluation in the III Sem and Phase II evaluation in the IV sem.</p>
3.	Dr. K V Suresh	<p>Member asked about the evaluation of the Audit course.</p> <p>Suggested that there could be practical aspects covered in the tutorial in the Mathematics Course.</p> <p>Suggested that III sem students to be left free for their internship and project work.</p> <p>Asked for the evaluation maximum marks for the Project work.</p> <p>Suggested to observe the NBA SAR 2017 in the website, where it has been mentioned only Three PO's</p>	<p>Evaluation is based on only CIE and No SEE.</p> <p>Before there was placement training for 2 hrs/ week and soft skills by external agency was provided.</p> <p>Members agreed to have tutorial instead of Practicals for Mathematics Course.</p> <p>Dr. G Sadashivappa informed that 2 days class and 4 days they are allowed to do internship.</p> <p>Dr. G Sadashivappa informed that 200 marks for internal examination & 200 marks for external examination.</p> <p>Prof R K Manjunath informed that no such official guidelines received from AICTE.</p>
4	Dr. Vijaya P A	Suggested to have more interactive and activity based session for the course OOPs	Members informed that it has been already taken care.
	Dr. Premananda and Prof Nagendra	Suggested to include ANN in the First semester elective and Artificial Neural Network in the Second/ Higher semester.	Members agreed
5	Dr. Nagamani K	Suggested that there could be rearrangement of the electives in RF and Microwave Engineering programme in par with the Digital Communication programme.	Members agreed
	Other points of discussion	Under this, the various equivalence cases suggested by the department for failed candidates were discussed and the BoS members approved the same. Also, students with more failed courses were suggested to rejoin to the previous year, especially first year 2018 scheme, which was also approved by BoS members.	Members agreed
		Meeting concluded with thanks to members from the Chairman.	 Prof & Head Professor & Head Dept. of Telecommunication Engg. R.V. College of Engineering Autonomous



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/20

- 20

Sl. no	Feedback Analysis	Action Taken
1	<ul style="list-style-type: none">To revise the syllabus according to Industry requirement.To introduce more practical lab and coding.To introduce courses like Software defined networks, to introduce practical aspects in Mathematics course, to introduce activity-based sessions in OOPS,	<ul style="list-style-type: none">The point is discussed in AAC and BoS meeting. New simulation tools have been included in 2018 & 2022 schemes.Industry based courses has been introduced in 2018 & 22 schemes.Innovative experiments have been introduced in labsMore emphasis is given for EL and open-ended experiments by using current industry tools.

Sreelakshmi K
Prof. & Head

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059

As indicated above, based on the feedback of stakeholders, the following new courses were suggested to be included in the 2018 M.Tech (Digital Communications) Scheme and Syllabus revision. Curricular revisions were discussed in the Board of Studies meetings and the new courses suggested with changes in the syllabus compared to 2016 scheme are added and the same is reflected in the revised curricula with the course codes.

Sl. No.	Title of the new course added	Course code	Scheme in which the new course is added
1	Real Time Embedded System	18MDC1A2	2018
2	Detection & Estimation Theory	18MDC1B1	2018
3	Artificial Neural Networks	18MDC1B2	2018
4	Research Methodology	18IEM23	2018
5	Machine Learning	18MCS2C2	2018
6	Advanced VLSI	18MDC2D2	2018
7	Short Range Wireless Communication	18MDC3E1	2018
8	Software Defined Networks	18MDC3E2	2018

Sreelakshmi
Prof. & Head

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
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RVE/TE/104 /2019-2020

Minutes of 22nd BoS Meeting.

20/05/2019

The meeting started with the warm welcome from BoS Chairman to all the BoS Members.

Agenda:

- (i) To read & record the proceedings of 21st BoS meeting.
 - (ii) To approve the 3rd to 8th Semester UG 2018 scheme.
 - (iii) To approve the detailed syllabus of 3rd and 4th semester of UG 2018 scheme.
 - (iv) Action taken on the feedback by the stake holders was discussed.
- The BoS chairman welcomed and Introduced new BoS to all.
 - The BoS chairman started with prelude of Telecommunication Engineering dept.
 - Guidelines from UGC & VTU to formulate curriculum.
 - AICTE has given the scheme format all over India to follow with total credits of 175 for 2018 scheme.
 - The Chairman informed the members about Programme Outcomes, Programme Education Objectives, Programme Specific Criteria.
 - Briefed about the previous BoS meeting.
 - Briefed about 3rd to 8th semester UG 2018 scheme.

Following are the points:

- Some courses like Analysis & design of digital circuits, Network analysis, Principles of electromagnetic fields, Engineering materials are made common to ECE/EEE/EI/TC for uniformity, for smooth conduction & evaluation of CIE & SEE and depending up on the feedback given by the senior students.
- Microcontroller & Microprocessor will be replaced by Arm microcontroller & applications (18TE44) for 4th sem.
- OOPs with C++ will be taught in 4th sem & in depth with a course on "Data Structures" will be kept as elective for higher semester.
- The guidelines for Design thinking lab (18TE47) will be formulated.
- To make online courses like NPTEL etc mandatory & linking the marks/grade obtained by the students to CIE.
- Industrial Internship to be done during vacation after 4th semester.
- Mr. Manjunath Reddy suggested to change the nomenclature of Radiating system as Antenna & Propagation of VI semester course and include topics on Ionospheric Propagation.
- Discussion is still going on regarding the minor project whether to keep in 6th or 7th semester.

Following were the suggestions given by the BoS members.

Sl. No.	Course with course code	Suggestions given by the BoS members	Action Taken
III- Semester			
1	Maths-III (18MA31B)	<ul style="list-style-type: none"> To reduce the contents of the syllabus and lecture hours. To restrict the lecture duration to 13-14 weeks. To increase the lecture hours for unit-II & III since these units will have internal choice compared to other units. 	
2	Environmental Technology (18ET32)	<ul style="list-style-type: none"> To increase the lecture hours for unit-II & III since these units will have internal choice. 	
3	Analog Electronics circuit (18TE33)	<ul style="list-style-type: none"> To check the flow of the contents. To increase the lecturer hours for unit-II & III since these units will have internal choice. To reduce the lecture hour for unit-I, IV & V. 	
4	Analysis & design of digital circuits (18EC/TE34)	<ul style="list-style-type: none"> Suggested to map syllabus content as per the prescribed text book. Suggested to modify & reduce course learning objectives (CLOs). To reduce the contents of the syllabus. Suggested to remove 5-variable K-map in unit-I. To insert VEM techniques. To include design problems of Quine-McClusky method. To include the 'Shift Registers' as another block in Unit-III. To increase the lecturer hours for unit-II & III since these units will have internal choice. To reduce the lecture hour for unit-I, IV & V. 	
5	Network Analysis (18EE/TE34)	<ul style="list-style-type: none"> To increase the contents and hours of Unit-II & III since these units will have internal choice. To modify the Course outcomes. 	
6	Principles of Electromagnetic fields (18EC/EE/TC36)	<ul style="list-style-type: none"> To modify course learning objectives (CLOs). To increase the no. of hours for unit-II & III to 10hrs & reduce the no. of hours to 7 hrs for unit-I, IV & V. To define Course outcomes (COs). 	

IV-Semester			
1	Maths-IV (18MA41B)	<ul style="list-style-type: none"> To reduce the contents of the syllabus and lecture hours. To restrict the lecture hours to 13-14 weeks. To increase the lecture hours for unit-II & III since these units will have internal choice 	
2	Engineering materials (18EM42B)	<ul style="list-style-type: none"> To increase the lecture hours for unit-II & III since these units will have internal choice 	
3	Analog Communication (18TE43)	<ul style="list-style-type: none"> Applications of analog modulation techniques should be moved to Unit III. Numerical problems should be included for each unit. No. of lecture hours for unit I ,II, III, IV & V should be 7, 10, 10, 7, 7 respectively. Since the hardware lab experiments are without design, the word 'Design' need to be removed. The titles of software lab experiments should have the keyword "Simulation & Analysis of...." 	
4	Arm Microcontroller & Applications (18TE44)	<ul style="list-style-type: none"> To remove the Arm processors and to include 8051 microcontroller. To increase the lecture hours for unit-II & III since these units will have internal choice. 	
5	Signals & Systems (18TE45)	<ul style="list-style-type: none"> No change in the content of the syllabus. To increase the lecture hours for unit-II & III since these units will have internal choice. 	
6	OOPs with C++ (18TE46)	<ul style="list-style-type: none"> To modify CLOs To remove the 'links of the website' from the references. To increase the lecture hours for unit-II & III since these units will have internal choice. 	







Sneelakshmi.k
Prof. & Head

Professor & Head
Dept. of Telecommunication Engg.,
R V College of Engineering
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RV COLLEGE OF ENGINEERING^(R)
BENGALURU – 560 059
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Department of Telecommunication Engineering

Date: May 11, 2019

Members attended the Meeting:

SL. No.	Category	Committee Members	Signatures
1.	Chairman	Dr. K. Sreelakshmi Professor and Head, Dept. of Telecommunication Engineering, R.V.C.E. Bengaluru.	 11/5/19
2.	BOS members	Dr. G. Sadashivappa Professor, Dept. of Telecommunication Engineering, R.V.C.E. Bengaluru.	 11.05.19
		Dr. H. V. Kumaraswamy Professor, Dept. of Telecommunication Engineering, R.V.C.E. Bengaluru.	
		Mr. P. Nagaraju Associate Professor, Dept. of Telecommunication Engineering, R.V.C.E. Bengaluru.	
		Dr. B Roja Reddy Associate Professor, Dept. of Telecommunication Engineering, R.V.C.E. Bengaluru.	 11/5/2019
		Dr. R Bhagya Associate Professor, Dept. of Telecommunication Engineering, R.V.C.E. Bengaluru.	
3.	Subject Experts from the Outside college	Dr. T Laxminidhi Professor and Head of the Department Department of Electronics and Communication Engineering National Institute of Technology NH 66, Srinivas Nagar, Surathkal, Mangaluru, Karnataka 575025.	—
		Dr. Debarati Sen Assistant Professor GS Sanyal School of Telecommunication Indian Institute of Technology Kharagpur Kharagpur, India - 721302	—



Invite to 22nd BoS

14 messages

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Fri, May 10, 2019 at 1:41 PM

To: laxminidhi_t@nitk.edu.in, debarati@gssst.iitkgp.ernet.in, ladu@isac.gov.in, "Mahesh.V" <maheshv@bel.co.in>, "D.Sriram kumar" <srk@nitt.edu>, Iven Jose Engineering ECE <iven@christuniversity.in>, Manjunatha Reddy <manjunatha.reddy@ni.com>

dear sir / madam

Please find attached the invitation to 22nd BoS meeting on 11th may 2019 at 10.00am in the department seminar hall.


The existing syllabus of Undergraduate programme is attached for your reference. Also attached is the proposed revised scheme from 3rd to 8th semesters, detailed syllabus of 3rd and 4th semester, that needs to be approved in the BoS meeting.

I request you to attend the meeting and share your inputs.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

5 attachments

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 **1_AND_2_SEM_SYLLABUS_2016_scheme_v2.0.pdf**
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 **5th and 6th Sem syllabus - 2016 Scheme.pdf**
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 **3RD & 4TH sem SYLLABUS 2016 scheme.pdf**
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 **Proposed III & IV sem 2018 scheme.pdf**
900K

D.Sriram kumar <srk@nitt.edu>

Fri, May 10, 2019 at 1:58 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Noted Prof. Ok. Will get back to you soon. Let me attend next meeting.

Regards,
Sriram
NITT
<hod.tc@rvce.edu.in>:
[Quoted text hidden]

--
D.Sriram Kumar,Ph.D
Professor
Department of ECE

National Institute of Technology
Tiruchirappalli- 620 015.
Tamil Nadu
India.
Mob: 94434 94495
Ph. 0431 2503311

Manjunatha Reddy <manjunatha.reddy@ni.com>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Fri, May 10, 2019 at 2:03 PM

Dear Madam,

Greetings and good afternoon...!!!

Thank you for the invitation...I am confirming my participation ...

Thanks & Best Regards,

Manjunatha Reddy

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: Manjunatha Reddy <manjunatha.reddy@ni.com>

Fri, May 10, 2019 at 3:09 PM

thank you. please come
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
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RVCE, Bangalore
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[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "D.Sriram kumar" <srk@nitt.edu>

Fri, May 10, 2019 at 3:11 PM

thank you sir.

please take some time and send your inputs over mail

With Thanks and Regards

Dr. K. Sreelakshmi
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TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Sat, May 11, 2019 at 9:32 AM

To: "Sreelakshmi K." <sreelakshmik@rvce.edu.in>

With Thanks and Regards

Dr. K. Sreelakshmi
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Sat, May 11, 2019 at 9:35 AM

To: ladu@ursc.gov.in

With Thanks and Regards

Dr. K. Sreelakshmi
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From: **TELECOMMUNICATION ENGINEERING RVCE** <hod.tc@rvce.edu.in>

Date: Fri, May 10, 2019 at 1:41 PM

Subject: Invite to 22nd BoS

To: <laxminidhi_t@nitk.edu.in>, <debarati@gssst.iitkgp.ernet.in>, <ladu@isac.gov.in>, Mahesh.V <maheshv@bel.co.in>, D.Sriram kumar <srk@nitt.edu>, Iven Jose Engineering ECE <iven@christuniversity.in>, Manjunatha Reddy <manjunatha.reddy@ni.com>

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Sat, May 11, 2019 at 1:46 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Sir/Madam.

Received the mail. Yet to see details of the contents. Will revert back as discussed over phone.

Thanks

Ramesh Naidu V
DGM,ETF-II

[Quoted text hidden]

[Quoted text hidden]

ಇಂತಿ ನಿಮ್ಮವು / With regards,

RAMESH NAIDU V, DGM, ETF-II, U R Rao Satellite Centre, Bengaluru - 560017

ರಮೇಶ್ ನಾಯ್ಡು ವಿ., ಉಪ ಮಹಾ ವ್ಯವಸ್ಥಾಪಕರು, ಈ.ಟಿ.ಎಫ್-II,

ಯು ಆರ್ ರಾವ್ ಉಪಗ್ರಹ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು - 560017

ದೂ. / Ph : 91-80-25082694.

ಕನ್ನಡದ ಕಂಪು ಎಲ್ಲೆಲ್ಲೂ ಪಸರಿಸಲಿ.

PROUD TO BE AN INDIAN

IMPORTANT NOTE:

ISRO Satellite Centre (**ISAC**) was renamed as U R Rao Satellite Centre (**URSC**). Hence, the existing domain (**isac.gov.in**) is changed to new domain **ursc.gov.in** resulting into change of e-mail address from **user@isac.gov.in** to **user@ursc.gov.in**. Please note this change and update your contact details for new domain (**ursc.gov.in**).

गोपनीयता सूचना: यह ई मेल अपने संलग्न दस्तावेजों के साथ केवल अभीष्ट प्राप्तकर्ता (ओं) के उपयोग के लिए है। इस ई मेल में गोपनीय और विशेषाधिकृत सूचनाएँ भी हो सकती हैं। इनका अनाधिकृत पुनरीक्षण, उपयोग अथवा वितरण निषिद्ध है। यदि आप अभीष्ट प्राप्तकर्ता नहीं हैं तो, कृपया प्रेषक से संपर्क करें और ई मेल की सभी प्रतियों को नष्ट कर दें।

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TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: ladu@ursc.gov.in

Sat, May 11, 2019 at 2:31 PM

ok sir

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

D.Sriram kumar <srk@nitt.edu>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Mon, May 13, 2019 at 10:25 AM

GM Prof,

Greetings. Gone thro' all the contents. All sound good. Good to see many interesting courses as core/electives.

Few course contents are quite lengthy. I guess it is left to the faculty who teach.

No. of credits for B.Tech is on the higher side. Is it OK/ Mandatory. In many institutes , the total credits is brought down to 160-165. If it is a mandatory requirement, you may ignore this point.

T.B/R.Books are not uniform in no. in most of the courses. Pl. check.
Preferably 2 T.Bs and 3-4 R.Bs will do.

With regards,
Sriram
NIT
Trichy

Quoting TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>:

[Quoted text hidden]

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "D.Sriram kumar" <srk@nitt.edu>

Thu, May 16, 2019 at 4:52 PM

dear sir

thanks for the feedback. we will take care of all the points sir.

You are also nominated by the VTU as the university nominee for our department BoS.
I congratulate you on behalf of our department and institution.
I have attached the scanned copy of the letter.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.

RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

 **VTU nominee letter.pdf**
299K

D.Sriram kumar <srk@nitt.edu>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Thu, May 16, 2019 at 4:59 PM

Noted Madam. Ya .Fine.Thanks.

A small correction in the letter: I am former Head now. My tenure got over.
This is FYKI.

Regards,
Sriram

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "D.Sriram kumar" <srk@nitt.edu>

Thu, May 16, 2019 at 5:04 PM

sir

we had conveyed the old address whatever we had. as per that the letter is generated.

From now on we will change it in our database

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

D.Sriram kumar <srk@nitt.edu>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Thu, May 16, 2019 at 6:46 PM

Noted Prof. Yes. Go ahead PL.

[Quoted text hidden]



TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Invite to 22nd BoS

D.Sriram kumar <srk@nitt.edu>

Mon, May 13, 2019 at 10:25 AM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

GM Prof,

Greetings. Gone thro' all the contents. All sound good. Good to see many interesting courses as core/electives.

Few course contents are quite lengthy. I guess it is left to the faculty who teach.

No. of credits for B.Tech is on the higher side. Is it OK/ Mandatory. In many institutes , the total credits is brought down to 160-165. If it is a mandatory requirement, you may ignore this point.

T.B/R.Books are not uniform in no. in most of the courses. Pl. check.
Preferably 2 T.Bs and 3-4 R.Bs will do.

With regards,
Sriram
NIT
Trichy

Quoting TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>:

[Quoted text hidden]

[Quoted text hidden]

TO BOS
file

Sneelashankar 20/5/19
Professor & Head
Dept. of Telecommunication Engg.,
RV College of Engineering
BENGALURU-560 059

RV COLLEGE OF ENGINEERING^(R)
BENGALURU – 560 059

(Autonomous Institution: Affiliated to VTU)

Department of Telecommunication Engineering

Attendance sheet of 22nd Bos Meeting.

Date: May 11, 2019

Members attended the Meeting:

SL. No.	Category	Committee Members	Signatures
1.	Chairman	Dr. K. Sreelakshmi Professor and Head, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	Present
2.	BOS members	Dr. G. Sadashivappa Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	Present
		Dr. H. V. Kumaraswamy Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	Present
		Mr. P. Nagaraju Associate Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	Present
		Dr. B Roja Reddy Associate Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	Present
		Dr. R Bhagya Associate Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	Present
3.	Subject Experts from the Outside college	Dr. T Laxminidhi Professor and Head of the Department Department of Electronics and Communication Engineering National Institute of Technology NH 66, Srinivas Nagar, Surathkal, Mangaluru, Karnataka 575025.	Not present
4.	Representative from Industry / Corporate Sector	Mr. Ramesh Naidu Dy General Manager (ETS) ISRO, U R Rao Satellite Centre (URSC) Old Airport Road, Vimanapura Post, Bengaluru - 560 017	Not present

5.	Postgraduate meritorious alumnus	Mr. V Mahesh Director R & D BEL, Corporate Office Outer Ring Road, Nagavara Bangalore – 560045	Not present
		Mr. Manjunath Reddy Technical Manager, AWR Group M/s. National Instruments, 81/1 & 82/1, Salarpuria Softzone, Wing B, 5th Floor, Block A, Bellandur, Varthur Hobli, Bengaluru- 560103	Present
6.	Two Experts from outside the University	Dr. D. Sriram Kumar Professor Department of Electronics and Communication Engineering National Institute of Technology Tiruchirappalli-620015	Not present
		Dr. Iven Jose, Director, Faculty of Engineering, Christ University, Kanminke, Mysore Road, Kumbagodu Post Bengaluru – 560074	Not present
7.	Invitees-Subject Experts	Mr. Mithun T P	Present
		Mr. Mohana	Present
		Miss. Mahalakshmi	Present
		Mr. Pawan	Not Present

Sreelakshmi.k
20/5/19
Professor & Head
Dept of Telecommunication Engg.,
R V College of Engineering
BENGALURU-560 059



Department of Electronics & Telecommunication Engineering

Feed Back from the stakeholders for the academic year 2018-19

The feedback given by stakeholders

Stake holders	Feedback	Action Taken
Alumina	<ol style="list-style-type: none"> 1. Lab experiments with new simulation tools and hardware kits are to be included for the industry exposure. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce. 	<p>The point is discussed in AAC and BoS meeting. New simulation tools have been included in 2018, 2021 & 22 schemes. Industry based courses has been introduced in 2018, 21 & 22 schemes. More emphasis is given for EL and open-ended experiments by using current industry tools.</p>
Student	<ol style="list-style-type: none"> 1. To Revise the syllabus according to Industry requirement. 2. To introduce more practical lab. 3. To organise more Invited talk. 4. To introduce courses like Coding related courses, VLSI, More Concept of Networking, Current ongoing changes in Wireless communication – In par with industries, Image processing lab, HFSS lab, Low power VLSI, System verilog, AI, ML, Oracle, DBMS. 	

Sneelashunika
Prof. & Head

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059

As indicated above, based on the feedback of stakeholders, the following new courses were suggested to be included in the 2018 B.E (Telecommunication Engineering) Scheme and Syllabus revision. Curricular revisions were discussed in the Board of Studies meetings and the new courses suggested with changes in the syllabus compared to 2016 scheme are added and the same is reflected in the revised curricula with the course codes.

Sl. No.	Title of the new course added	Course code	Scheme in which the new course is added
1	Design thinking Lab	18TE47	2018

Sneelathumik
Prof. & Head

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059



Invite to 23rd BoS meeting at TCE dept. RVCE, Bangalore

16 messages

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Mon, Dec 9, 2019 at 5:08 PM

To: "D.Sriram kumar" <srk@nitt.edu>, Manjunatha Reddy <manjunatha.reddy@ni.com>, ladu@urisc.gov.in, Iven Jose Engineering ECE <iven@christuniversity.in>, "Mahesh.V" <maheshv@bel.co.in>, debarati@gssst.iitkgp.ernet.in, laxminidhi_t@nitk.edu.in

Dear sir/ madam

23rd BoS meeting is arranged on 14th Dec 2019 at Telecommunication Engineering department, R V College of Engineering Bangalore, at 10.00am in the seminar hall, to discuss the curriculum of 2018 scheme of Under graduate and post graduate programmes. I request you kindly to attend the meeting and give us your valuable inputs. Please find enclosed the Invite letter.

In anticipation of your acceptance

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41



invite letter to 23rd BoS.pdf
279K

Laxminidhi T. <laxminidhi_t@nitk.edu.in>

Mon, Dec 9, 2019 at 5:14 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Dear Madam,

I am extremely sorry to say that I am not in a position to attend the BoS meeting, scheduled for 14th Dec, due to prior commitments.

Best Regards

Dr. Laxminidhi T.,
Professor and Head,
Department of Electronics and Communication Engineering,
National Institute of Technology Karnataka, Surathkal.
P.o. Srinivasnagar - 575025

[Quoted text hidden]

Manjunatha Reddy <manjunatha.reddy@ni.com>

Mon, Dec 9, 2019 at 5:43 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Cc: "Sreelakshmi K." <sreelakshmik@rvce.edu.in>

Dear Madam,

Many Thanks for the invitation...

Please accept my apologies for not making to 23rd BoS meeting on 14th December...

As I am going to be in Mumbai to attend IMaRC conference & will be back to Bengaluru after 20th December...

Specifically I wanted to attend this time for post graduate programmes, but these are pre-planned visits which we can't cancel...

If you need any assistance in completing any procedure or document to be signed, please let me know...

Thanks & Best Regards,

Manjunatha Reddy

[Quoted text hidden]

D.Sriram kumar <srk@nitt.edu>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Mon, Dec 9, 2019 at 9:16 PM

Noted Prof. Thanks.

But, very short notice. I shall not be able to plan this weekend. Sorry.

Regards,
Sriram NIT Trichy

[Quoted text hidden]

--

D.Sriram Kumar, Ph.D
Professor
Department of ECE
National Institute of Technology
Tiruchirappalli- 620 015.
Tamil Nadu
India.
Mob: 94434 94495
Ph. 0431 2503311

Dr. Debarati Sen <debarati@gssst.iitkgp.ac.in>
Reply-To: debarati@gssst.iitkgp.ernet.in
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
Cc: "D.Sriram kumar" <srk@nitt.edu>, Manjunatha Reddy <manjunatha.reddy@ni.com>, Iadu@ursc.gov.in, Iven Jose Engineering ECE <iven@christuniversity.in>, "Mahesh.V" <maheshv@bel.co.in>, laxminidhi t <laxminidhi_t@nitk.edu.in>, debarati <debarati@gssst.iitkgp.ac.in>

Tue, Dec 10, 2019 at 3:07 AM

Dear Prof. Sreelakshmi,

Currently I am on a research visit at Monash University, Australia till Dec. 23rd. It won't be possible for me to attend the BoS meeting by person. However, I can join the meeting over Skype.

Please let me know if it is fine at your end. I will share my Skype ID in that case.

Regards
Debarati

Debarati Sen

Associate Professor
G.S.Sanyal School of Telecommunications
Indian Institute of Technology Kharagpur
India-721302

From: "TELECOMMUNICATION ENGINEERING RVCE" <hod.tc@rvce.edu.in>
To: "D.Sriram kumar" <srk@nitt.edu>, "Manjunatha Reddy" <manjunatha.reddy@ni.com>, ladu@urisc.gov.in, "Iven Jose Engineering ECE" <iven@christuniversity.in>, "Mahesh.V" <maheshv@bel.co.in>, "debarati" <debarati@gssst.iitkgp.ernet.in>, "laxminidhi t" <laxminidhi_t@nitk.edu.in>
Sent: Monday, December 9, 2019 10:38:16 PM
Subject: Invite to 23rd BoS meeting at TCE dept. RVCE, Bangalore

[Quoted text hidden]

IVEN JOSE ENGINEERING ECE <iven@christuniversity.in> Thu, Dec 12, 2019 at 2:35 PM
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
Cc: "D.Sriram kumar" <srk@nitt.edu>, Manjunatha Reddy <manjunatha.reddy@ni.com>, ladu@urisc.gov.in, "Mahesh.V" <maheshv@bel.co.in>, debarati@gssst.iitkgp.ernet.in, laxminidhi_t@nitk.edu.in, "Fr.Benny" <frbenny@christuniversity.in>, "Fr. Antony Puthussery" <frantony@christuniversity.in>

Dear Sir/Madam,
Thank You for the invite! I confirm my participation ..

Regards,

Dr. Iven Jose
Professor and Dean
Faculty of Engineering

CHRIST(Deemed to be University), Bangalore
Kengeri-Campus,
Kanminike, Kumbalgodu, Mysore Road
Bengaluru, India. 560074

Phone: (+91) 080-40129845
Mobile: (+91) 9740273412
E.mail: dean.engineering@christuniversity.in, iven@christuniversity.in

Page: <http://www.christuniversity.in/electronics-and-communication-engineering/faculty-details/NjE0/ODI=>
Linkedin: <https://www.linkedin.com/in/dr-iven-jose-06201917/>

[Quoted text hidden]

[Quoted text hidden]

<invite letter to 23rd BoS.pdf>

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: IVEN JOSE ENGINEERING ECE <iven@christuniversity.in>

Thu, Dec 12, 2019 at 3:17 PM

dear sir
Thanks for the acceptance. we look forward to meet you on 14th dec.
With Thanks and Regards

Dr. K. Sreelakshmi

Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Thu, Dec 12, 2019 at 3:22 PM

To: debarati@gssst.iitkgp.ernet.in

Dear madam

Thanks for accepting to join the meeting online.please share your skype id madam.
we will do a trial run sometime tomorrow whenever you are free to take the call.
Also we have a CISCO WEBEX platform for teleconferencing. we will share that link also and do the trial run for both at the same time.
please share the free time slot and also your skype id

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Thu, Dec 12, 2019 at 3:38 PM

To: "D.Sriram kumar" <srk@nitt.edu>

dear sir

thanks for the reply. I do accept it was a short notice.

we have credit equivalence issues in students who have migrated from 2012 scheme of study to 2016 scheme of study at various points in their 4 year Undergraduate programme. For this we have proposed alternate courses to be offered in the ensuing summer semester. we wanted approval from BoS for that.

Sir, I will mail you this proceedings after 14th, kindly give your approval.

Another main agenda was Electives and MOOCS courses in next academic year starting from 2020 august.
We will be again meeting once before April 2020. we will place it in BoS again. I will send the invite well before and request you to join us in person for that meeting.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: Manjunatha Reddy <manjunatha.reddy@ni.com>

Thu, Dec 12, 2019 at 3:40 PM

dear manjunath
Thanks for the reply.

i would have appreciated your presence in person. but its alright. As already discussed over phone please do read through the proceedings and approve the equivalence issues.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

ladu@ursc.gov.in <ladu@ursc.gov.in>

Thu, Dec 12, 2019 at 3:43 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Cc: "D.Sriram kumar" <srk@nitt.edu>, Manjunatha Reddy <manjunatha.reddy@ni.com>, Iven Jose Engineering ECE <iven@christuniversity.in>, "Mahesh.V" <maheshv@bel.co.in>, debarati@gssst.iitkgp.ernet.in, laxminidhi_t@nitk.edu.in

Madam,

Thank you for the invitation. I confirm my participation.

Ramesh Naidu V,
DGM, ETF-II
URSC.

Quoting TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>:

[Quoted text hidden]

ಇಂತಿ ನಿಮ್ಮವ / With regards,

RAMESH NAIDU V, DGM, ETF-II, U R Rao Satellite Centre, Bengaluru - 560017

ರಮೇಶ್ ನಾಯ್ಡು ವಿ., ಉಪ ಮಹಾ ವ್ಯವಸ್ಥಾಪಕರು, ಈ.ಟಿ.ಎಫ್-II,

ಯು ಆರ್ ರಾವ್ ಉಪಗ್ರಹ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು - 560017

ದೂ. / Ph : 91-80-25082694.

ಕನ್ನಡದ ಕಂಪು ಎಲ್ಲೆಲ್ಲೂ ಪಸರಿಸಲಿ.

PROUD TO BE AN INDIAN

IMPORTANT NOTE:

ISRO Satellite Centre (**ISAC**) was renamed as U R Rao Satellite Centre (**URSC**). Hence, the existing domain (**isac.gov.in**) is changed to new domain **ursc.gov.in** resulting into change of e-mail address from **user@isac.gov.in** to **user@ursc.gov.in**. Please note this change and update your contact details for new domain (**ursc.gov.in**).

गोपनीयता सूचना: यह ई मेल अपने संलग्न दस्तावेजों के साथ केवल अभीष्ट प्राप्तकर्ता (ओं) के उपयोग के लिए है। इस ई मेल में गोपनीय और विशेषाधिकृत सूचनाएँ भी हो सकती हैं। इनका अनाधिकृत पुनरीक्षण, उपयोग अथवा वितरण निषिद्ध है। यदि आप अभीष्ट प्राप्तकर्ता नहीं हैं तो, कृपया प्रेषक से संपर्क करें और ई मेल की सभी प्रतियों को नष्ट कर दें।

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TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "Laxminidhi T." <laxminidhi_t@nitk.edu.in>

Thu, Dec 12, 2019 at 3:44 PM

dear sir

Thanks for the reply. I do accept it was a short notice. please do attend the next meeting and give us your valuable inputs. I will send the invitation well in advance.
The current meeting proceedings i will mail you please do read through and mail us your suggestions sir.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: ladu@urisc.gov.in

Thu, Dec 12, 2019 at 3:51 PM

dear sir

Thanks a lot for accepting our invitation. we look forward to meeting you in person on 14th.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

D.Sriram kumar <srk@nitt.edu>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Thu, Dec 12, 2019 at 3:55 PM

Noted Prof. Yes. Thanks. Go ahead PL.

Sriram
[Quoted text hidden]

Dr. Debarati Sen <debarati@gssst.iitkgp.ac.in>
Reply-To: debarati@gssst.iitkgp.ernet.in
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Fri, Dec 13, 2019 at 3:58 AM

Dear Prof. Sreelakshmi,

Here is my Skype ID: debaratisen75

Regards
Debarati

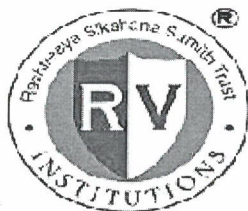
From: "TELECOMMUNICATION ENGINEERING RVCE" <hod.tc@rvce.edu.in>
To: "debarati" <debarati@gssst.iitkgp.ernet.in>
Sent: Thursday, December 12, 2019 8:52:43 PM
Subject: Re: Invite to 23rd BoS meeting at TCE dept. RVCE, Bangalore

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: Ravi Kumar Koppal <ravikkoppal@rvce.edu.in>

Fri, Dec 13, 2019 at 11:17 AM

[Quoted text hidden]



RASHTREEYA SIKSHANA SAMITHI TRUST
R.V.COLLEGE OF ENGINEERING
(AUTONOMOUS INSTITUTION UNDER VTU)
DEPARTMENT OF TELECOMMUNICATION ENGINEERING

Approved by All India Council for Technical Education, New Delhi
affiliated to Visvesvaraya Technological University, Belgaum, Karnataka
accredited by the National Board of Accreditation, New Delhi.

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Office of Prof. & Head,
Dept. of Telecommunication Engg.
R. V. C. E., R. V. Vidyapeetham Post,
Mysore Road,
BANGALORE-560059

RVE/TE/ /20 - 20

Minutes of 23rd BoS meeting held on 14/12/2019, at 10 am in Audio Video seminar hall, Telecommunication Engineering Department.

The meeting started with a warm welcome from BoS Chairman to all the BoS Members & Invitees. The BoS chairman started with prelude about the Telecommunication Engineering dept.

Agenda (i)

The proceedings of 22nd BoS meeting were read and recorded.

Agenda:

- (ii) To discuss & approve the 5th to 8th Semester UG 2018 scheme and process of conduction of Design Thinking lab.
 - (iii) Action taken on the feedback by the stake holders was discussed.
The Chairman informed the members about the Vision & Mission of the dep., Programme Outcomes, Programme Education Objectives, Programme Specific Criteria & Curriculum design process.
- Comparison was made between 2016 & 2018 scheme of UG, in terms of credits.

Course Component	Credits (2016)	Credits (2018)
Humanities	11	10
Basic Science	30	28
Engineering Science	30	20
Professional core	78	64
Professional elective	20	20
Open elective	10	9
Project (Major, Minor, Technical seminar)	21	24
Total credits	200	175

For 2018 scheme the credits are reduced to 175.

To BoS
file
[Signature]

Following were the suggestions given by the BoS members

Sl. No.	Course with course code	Suggestions given by the BoS members	Action Taken
III - Semester			
1	Discrete and Integral Transforms (18MA31B)	<ul style="list-style-type: none"> Applications of Discrete and Integral Transforms (18MA31B) and Linear Algebra, Statistics and Probability Theory (18MA41B) to be taught to the students in III & IV semesters. 	
IV - Semester			
	Design Thinking lab (18TE47)	<ul style="list-style-type: none"> Dr. Iven Jose appreciated the introduction of this lab. Suggested to link Projects to societal problems & students should try to resolve those problems. He emphasized the need for dedicated mentors to this lab. Different environment to be created to carry out this lab. Initially let the students start with literature review, methodology & continue this project for 3rd/4th year till development of PoC . Mr. Ramesh Naidu suggested for product development which will be useful for the society. To seek Industry help in implementing this lab. Suggested to do Interdisciplinary projects To include Wireless smart sensors, low frequency data / wired communication. To convert wired to wireless communication. Dr. Debarati Sen suggested that the topic chosen should be based on student's interest. It should be aligned with Industrial idea, societal idea. Joint vendor ship with IITs, IISC etc could be made To conduct 1 day workshop to show case students idea. Other members suggested to maintain weekly dairy & to meet mentors regularly. 	

		<ul style="list-style-type: none"> Documentation must be maintained. 	
2	Design Thinking lab	<p>Following are the points discussed about Design Thinking Lab:</p> <ul style="list-style-type: none"> Design thinking Lab which is of 2 credits is introduced in 4th sem. of UG 2018 scheme. It is a practical course on applied design concepts. This course aims at building skillsets in students for the creation of a product, service, system change, business model innovation, or behaviour change by synthesizing concepts from prior program learning. The main topics under design thinking Lab includes: <ul style="list-style-type: none"> (i) 5G wireless communication (ii) Autonomous vehicles (iii) Smart cities (iv) Health care (v) Industrial automation (vi) Home automation (vii) IOT (viii) Any other related topic <p>Students should choose the above topics for this lab.</p> The outcomes of this lab: Recognize the issues and challenges in the design, Gain insights into framing design specifications and implementation strategies, Learn to use modern tools for design, Apply theoretical and 	

		analytical concepts for design and Collaborate and work in multidisciplinary teams.	
V-Semester			
1	Telecom Switching System (18TE55)	<ul style="list-style-type: none"> Change of title to Telecommunication switching systems. 	
2	Digital Signal Processing (18TE54)	<ul style="list-style-type: none"> Code to be changed to 18TE52 Course should be linked to wireless communication and other application oriented courses 	
3	Microwave Engineering (18TE52)	<ul style="list-style-type: none"> Code to be changed to 18TE54. This course needs tutorial. One tutorial credit from Digital communication theory can be transferred to the above course. 	
4	Artificial Intelligence & Machine Learning (18TE5A3)	<ul style="list-style-type: none"> To introduce Basics, Algorithms, Data Analytics & applications. Dr. Iven Jose suggested to introduce a general course on Programming paradigm, where the students can study his interested language like C, C++, Python, Java etc. To introduce Bridge program where the experts from the industry can deliver a talk on this domain. 	
5	Internship (18IN56)	<ul style="list-style-type: none"> Outcomes: Awareness of Industrial process, Industrial exposure, Hierarchy in the industry. Evaluation will be done in 2 phases. Phase1: Guide visit to industry to check the progress of the student. Phase 2: Presentation done by the student in the dept. They can also visit NGO's etc for atleast 2 – 3 times & make the report. 	Scheme of V sem. was accepted by all the BoS members.
6	MOOC Courses	<ul style="list-style-type: none"> As per the AICTE model Curriculum 20% MOOCS 	

		<p>courses needs to offered. Hence MOOC courses from Swayam / NPTEL have been introduced for 8-12 weeks, which will carry 3 credits.</p> <ul style="list-style-type: none"> • Dr. Debarati Sen appreciated the introduction of MOOC courses. • For slow learners this could be supported with proctored courses. 	
7	Telecommunication Systems (18G5BXX)	<ul style="list-style-type: none"> • Members suggested to introduce Telecom network management, Cognitive radio network and other emerging applications as part of Telecommunication Systems course contents. 	
VI Semester			
8	MIMO Systems (18TE6C2)	<ul style="list-style-type: none"> • To offer MIMO system elective course, after the students study Wireless communications core course. 	
9	Radiating Systems (18TE63)	<ul style="list-style-type: none"> • To change the title of the course to Antenna & propagation. • To split L:T:P as 3:1:1. 	Scheme of VI sem. was accepted by all the BoS members.
VII Semester			
9	DSP Applications (18TE7G2)	<ul style="list-style-type: none"> • Dr. Debarati Sen suggested to introduce Basics of wireless communication instead of DSP applications where signal processing would be incorporated. • Applications of signal processing in Modulation, coding. • To change the title of the course. 	
10	Optical Fiber Communication (18TE73)	<ul style="list-style-type: none"> • In Tutorial class experiments will be done on OFC. It will be carried out for 2hrs & lab batches will be formed. • It will be evaluated for 20 marks instead of experiential learning. 	
11	5G architecture & its applications (18TE7G1)	<ul style="list-style-type: none"> • To introduce "Emerging technologies in Telecommunication" instead of 	

		5G architecture & its applications.	
12	Adhoc Networks (18TE7G3)	<ul style="list-style-type: none"> Mr. Ramesh Naidu suggested to introduce Sensor Networks instead of Adhoc Networks. To introduce Medical applications like Biomedical etc. 	Scheme of VII sem. was accepted by all the BoS members.
VIII-Semester			
1	Major Project (18TEP81)	<ul style="list-style-type: none"> Was appreciated by all the members for introducing only Major project in VIII sem. To do joint projects within or outside the campus. To encourage Inter departmental and Inter university internships in INDIA an Abroad Or to tie up with the professor who are working in foreign universities, so that they can get an access to internships abroad. 	Scheme of VIII sem. was accepted by all the BoS members.
	Credit equivalence course of UG	Credit equivalence course for the backlog students was accepted. {Annexure-II}	

Agenda:

- (iii) To discuss the Credit equivalence cases of UG repeater students.

Shown below is the list of courses that will be offered for credit adjustment of the following students.

Sl. No	Students Name	Credits to be adjusted	Courses offered	
			Title	Credit
1	Swaroopnath G 1RV15TE055	5	Cryptography and Network security(16TE6D3)	4
2	Ashish M 1RV15TE012			
3	Prathik Srivastava 1RV14TE041		Constitution of India and Professional ethics(16HSC26)	1*
4	Vikram Ravishankar A 1RV12TE058	2	Constitution of India and Professional ethics(16HSC26)	2

5	Ojaswi 1RV15TE038	2	Constitution of India and Professional ethics(16HSC26)	2
6	Sheema Kauser 1RV15TE049	2	Constitution of India and Professional ethics(16HSC26)	2

For the following lateral student, there is need to waive off study of 4 credit course for total credit adjustment of 150 credits.

Sl. No	Students Name	Credits to be adjusted	Courses to be waived off	
			Title	Credit
1	Vinay K V 1RV16TE411	4	Analog Communication (16TE43)	4

BoS members approved the above cases.

Meeting concluded with thanks to all the members

Sreelakshmi

Prof & Head

Professor & Head

Dept. of Telecommunication Engg.,

**R V College of Engineering
BENGALURU-560 059**



RV COLLEGE OF ENGINEERING^(R)

BENGALURU – 560 059



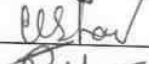

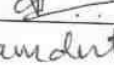
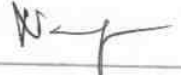
(Autonomous Institution: Affiliated to VTU)

Department of Telecommunication Engineering

Date: Dec. 14, 2019

Members attended 23rd BoS Meeting:

SL. No.	Category	Committee Members	Signatures
1.	Chairman	Dr. K. Sreelakshmi Professor and Head, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	<i>Sreelakshmi</i> 14/12/19
2.	BOS members	Dr. G. Sadashivappa Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	<i>G. Sadashivappa</i> 14.12.19
		Dr. H. V. Kumaraswamy Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	<i>H. V. Kumaraswamy</i> 14.12.19
		Mr. P. Nagaraju Associate Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	<i>P. Nagaraju</i>
		Dr. B Roja Reddy Associate Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	<i>B. Roja Reddy</i>
		Dr. R Bhagya Associate Professor, Dept. of Telecommunication Engineering, R.V.C.E, Bengaluru.	<i>R. Bhagya</i>
3.	Subject Experts from the Outside college	Dr. T Laxminidhi Professor and Head of the Department Department of Electronics and Communication Engineering National Institute of Technology NH 66, Srinivas Nagar, Surathkal, Mangaluru, Karnataka 575025.	Not present
4.		Dr. Debarati Sen Assistant Professor GS Sanyal School of Telecommunication Indian Institute of Technology Kharagpur Kharagpur, India - 721302 Ph: 9475512980 email: debarati@gssst.iitkgp.ernet.in	joined the Meeting online.

5.	Representative from Industry / Corporate Sector	Mr. Ramesh Naidu Dy General Manager (ET&T) ISRO, U R Rao Satellite Centre (URSC) Old Airport Road, Vimanapura Post, Bengaluru - 560 017	
6.	Postgraduate meritorious alumnus	Mr. V Mahesh Director R & D BEL, Corporate Office Outer Ring Road, Nagavara Bangalore - 560045	Not present
		Mr. Manjunath Reddy Technical Manager, AWR Group M/s. National Instruments, 81/1 & 82/1, Salarpuria Softzone, Wing B, 5th Floor, Block A, Bellandur, Varthur Hobli, Bengaluru- 560103	Not present
7.	Two Experts from outside the University	Dr. D. Sriram Kumar Professor Department of Electronics and Communication Engineering National Institute of Technology Tiruchirappalli-620015	Not present
		Dr. Iven Jose, Director, Faculty of Engineering, Christ University, Kanminke, Mysore Road, Kumbagodu Post Bengaluru - 560074	
8.	Invitees-Counsellors	Ms. Usha Padma	
		Mr. Mithun T P	
		Mrs. Ranjani G	
		Mr. Nagendra N N	Examinatory
9.	Invitee - professor	Dr. K. Nagamani	

Sneelakshmi
14/12/17

Professor & Head
Dept. of Telecommunication Engg.,
R V College of Engineering
BENGALURU-560 097



Department of Electronics & Telecommunication Engineering

Feed Back from the stakeholders for the academic year 2019-20

The feedback given by stakeholders

Stake holders	Feedback	Action Taken
Alumina	Students to take up a career in management and guide them in that aspect.	The courses: Introduction to management & Economics, IPRE, CI & PE has been introduced in the syllabus to enhance the knowledge in management & entrepreneurship.
Student	<p>Industry visit, Equal emphasis to be given to both software & hardware subjects, More emphasis is required on software.</p> <ol style="list-style-type: none"> 1. More emphasis needs to be given for project-based learning 2. Lab components to be included that could help the students in more practical approach. 3. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 4. More focus to be given on real time applications. 	<ol style="list-style-type: none"> 1. The enhancement on events including webinar and workshop. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3. More focus must be given on the basics. 4. Continue and give more importance to project presentations

Sree Laxshmi
 Prof. & Head

Professor & Head
 Dept. of Electronics and
 Telecommunication Engg.
 RV College of Engineering
 Bengaluru-560 059

As indicated above, based on the feedback of stakeholders, the following new courses were suggested to be included in the 2018 B.E (Telecommunication Engineering) Scheme and Syllabus revision. Curricular revisions were discussed in the Board of Studies meetings and the new courses suggested with changes in the syllabus compared to 2016 scheme are added and the same is reflected in the revised curricula with the course codes.

Sl. No.	Title of the new course added	Course code	Scheme in which the new course is added
1	Introduction to Embedded System Design	18TE5A1	2018
2	Semiconductor Devices and Circuits	18TE5A2	2018
3	Control systems	18TE5A3	2018
4	Computer architecture and organization	18IS5A4	2018
5	Sensors and actuators	18TE5A6	2018
6	DSP Applications	18TE6C3	2018
7	Minor Project	18TE64	2018

Sneelalshumik
Prof. & Head

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059



Invite to 24th BoS meeting

23 messages

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Wed, Dec 9, 2020 at 2:28 PM

To: debarati@gssst.iitkgp.ernet.in, Iven Jose Engineering ECE <iven@christuniversity.in>, ladu@urisc.gov.in, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, "Mahesh.V" <maheshv@bel.co.in>, Manjunatha Reddy <manjunatha.reddy@ni.com>, "D.Sriram kumar" <srk@nitt.edu>

Dear sir/ madam

24th BoS meeting is convened ONLINE (CISCO WEBEX PLATFORM) on 17th Dec 2020, at 10.00 am. I invite you cordially to attend the BoS meeting ONLINE and give your valuable inputs. Please find enclosed the Invite letter. Meeting link will be shared two days prior to meeting and a test run will be conducted.

In anticipation of your acceptance
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41



invite on letter head.docx

81K

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

From: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

To: <debarati@gssst.iitkgp.ernet.in>, Iven Jose Engineering ECE <iven@christuniversity.in>, <ladu@ursc.gov.in>, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, "Mahesh.V" <maheshv@bel.co.in>, Manjunatha Reddy <manjunatha.reddy@ni.com>, "D.Sriram kumar" <srk@nitt.edu>

Cc:

Bcc:

Date: Wed, 9 Dec 2020 14:28:03 +0530

Subject: [EXTERNAL] Invite to 24th BoS meeting

Dear sir/ madam

24th BoS meeting is convened ONLINE (CISCO WEBEX PLATFORM) on 17th Dec 2020, at 10.00 am. I invite you cordially to attend the BoS meeting ONLINE and give your valuable inputs. Please find enclosed the Invite letter. Meeting link will be shared two days prior to meeting and a test run will be conducted.

In anticipation of your acceptance

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41



invite on letter head.docx

81K

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

To: Manjunatha Reddy <manjunatha.reddy@ni.com>

Wed, Dec 9, 2020 at 2:33 PM

[Quoted text hidden]



invite on letter head.docx

81K

[Quoted text hidden]

 **invite on letter head.docx**
81K

Mail Delivery Subsystem <mailer-daemon@googlemail.com>
To: hod.tc@rvce.edu.in

Wed, Dec 9, 2020 at 2:33 PM

[Quoted text hidden]

Final-Recipient: rfc822; maheshv@bel.co.in
Action: failed
Status: 5.0.0
Remote-MTA: dns; mx1.bel.co.in. (115.249.29.213, the server for the domain bel.co.in.)
Diagnostic-Code: smtp; 550 #5.1.0 Address rejected.
Last-Attempt-Date: Wed, 09 Dec 2020 01:03:56 -0800 (PST)

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

From: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "Mahesh.V" <maheshv@bel.co.in>
Cc:
Bcc:
Date: Wed, 9 Dec 2020 14:33:40 +0530
Subject: Fwd: Invite to 24th BoS meeting
----- Message truncated -----

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: mreddyhv@cadence.com

Wed, Dec 9, 2020 at 2:45 PM

[Quoted text hidden]

 **invite on letter head.docx**
81K

Debarati Sen <debarati@gssst.iitkgp.ac.in> Wed, Dec 9, 2020 at 2:58 PM
Reply-To: debarati@gssst.iitkgp.ernet.in
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
Cc: Iven Jose Engineering ECE <iven@christuniversity.in>, ladu@urisc.gov.in, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, "Mahesh.V" <maheshv@bel.co.in>, Manjunatha Reddy <manjunatha.reddy@ni.com>, "D.Sriram kumar" <srk@nitt.edu>

Dear Dr. K. Sreelakshmi

Thank you for the intimation. I will be there.

Regards
Debarati

Dr. Debarati Sen
Associate Professor
G.S.Sanyal School of Telecommunications
Chair, IEEE Kharagpur Section
Warden, SN/IG Hall of Residence
Indian Institute of Technology Kharagpur
West Bengal - 721302

India
Phone: +913222283908 (O)
E-mail: debarati@gssst.iitkgp.ac.in
Website: <http://www.iitkgp.ac.in/departement/GS/faculty/gs-debarati>

From: "TELECOMMUNICATION ENGINEERING RVCE" <hod.tc@rvce.edu.in>
To: "debarati" <debarati@gssst.iitkgp.ernet.in>, "Iven Jose Engineering ECE" <iven@christuniversity.in>, ladu@ursc.gov.in, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, "Mahesh.V" <maheshv@bel.co.in>, "Manjunatha Reddy" <manjunatha.reddy@ni.com>, "D.Sriram kumar" <srk@nitt.edu>
Sent: Wednesday, December 9, 2020 2:28:03 PM
Subject: Invite to 24th BoS meeting

[Quoted text hidden]

Manjunatha Reddy <mreddyhv@cadence.com>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Wed, Dec 9, 2020 at 3:21 PM

Dear Respected Madam,

Greetings...!!!

Thank you for the invite....

I am very much obliged to accept your invitation & will participate to share our industrial experience...

Thanks and Best Regards,

Manju

cā dence®

Manjunatha Reddy H V
Principal Application Engineer

O: +91-80-41841111 Ext.
1974

M: +91-9880215780



From: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
Sent: Wednesday, December 9, 2020 2:45 PM
To: Manjunatha Reddy <mreddy@cadence.com>
Subject: Fwd: Invite to 24th BoS meeting

EXTERNAL MAIL

[Quoted text hidden]

ladu@ursc.gov.in <ladu@ursc.gov.in> Wed, Dec 9, 2020 at 4:06 PM
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
Cc: debarati@gssst.iitkgp.ernet.in, Iven Jose Engineering ECE <iven@christuniversity.in>, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, "Mahesh.V" <maheshv@bel.co.in>, Manjunatha Reddy <manjunatha.reddy@ni.com>, "D.Sriram kumar" <srk@nitt.edu>

Madam,

Thank you for the invitation. I will attend the meeting.

Meanwhile, is it possible to share the material related to agenda points - such as proposed syllabus, etc.?

Ramesh Naidu V
DGM, ETF-II
U R Rao Satellite Centre,
Bengaluru - 17

[Quoted text hidden]

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ಇಂತಿ ನಿಮ್ಮವ / With regards,

RAMESH NAIDU V, DGM, ETF-II, U R Rao Satellite Centre, Bengaluru - 560017
ರಮೇಶ್ ನಾಯ್ಡು ವಿ., ಉಪ ಮಹಾ ವ್ಯವಸ್ಥಾಪಕರು, ಈ.ಟಿ.ಎಫ್-II,
ಯು ಆರ್ ರಾವ್ ಉಪಗ್ರಹ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು - 560017
ದೂ. / Ph : 91-80-25082694.

ಕನ್ನಡದ ಕಂಪು ಎಲ್ಲೆಲ್ಲೂ ಪಸರಿಸಲಿ.

PROUD TO BE AN INDIAN

IMPORTANT NOTE:

ISRO Satellite Centre (**ISAC**) was renamed as U R Rao Satellite Centre (**URSC**). Hence, the existing domain (**isac.gov.in**) is changed to new domain **ursc.gov.in** resulting into change of e-mail address from **user@isac.gov.in** to **user@ursc.gov.in**. Please note this change and update your contact details for new domain (**ursc.gov.in**).

गोपनीयता सूचना: यह ई मेल अपने संलग्न दस्तावेजों के साथ केवल अभीष्ट प्राप्तकर्ता (ओं) के उपयोग के लिए है। इस ई मेल में गोपनीय और विशेषाधिकृत सूचनायें भी हो सकती हैं। इनका अनाधिकृत पुनरीक्षण, उपयोग अथवा वितरण निषिद्ध है। यदि आप अभीष्ट प्राप्तकर्ता नहीं हैं तो, कृपया प्रेषक से संपर्क करें और ई मेल की सभी प्रतियों को नष्ट कर दें।

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distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

D.Sriram kumar <srk@nitt.edu>

Wed, Dec 9, 2020 at 6:57 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Noted Prof.

Ok

Sriram

Quoting TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>:

[Quoted text hidden]

--

D.Sriram Kumar,Ph.D

Professor

Department of ECE

National Institute of Technology

Tiruchirappalli- 620 015.

Tamil Nadu

India.

Mob: 94434 94495

Ph. 0431 2503311

Iven Jose Engineering ECE <iven@christuniversity.in>

Thu, Dec 10, 2020 at 9:13 AM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Cc: debarati@gssst.iitkgp.ernet.in, ladu@urisc.gov.in, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, "Mahesh.V" <maheshv@bel.co.in>, Manjunatha Reddy <manjunatha.reddy@ni.com>, "D.Sriram kumar" <srk@nitt.edu>

Dear Sir/Madam,

As I have a prior engagement on this day kindly consider my leave of absence and proceed..

Regards,

Dr. Iven Jose

Professor and Dean

School of Engineering and Technology

CHRIST(Deemed to be University), Bangalore

Kengeri-Campus,

Kanminike, Kumbalgodu,Mysore Road

Bengaluru, India. 560074

Phone: (+91) 080-40129845

Mobile: (+91) 9740273412

E.mail: dean.engineering@christuniversity.in, iven@christuniversity.in

Page: <http://www.christuniversity.in/electronics-and-communication-engineering/faculty-details/NjE0/ODI=>

Linkedin: <https://www.linkedin.com/in/dr-iven-jose-06201917/>

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<invite on letter head.docx>

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: Iven Jose Engineering ECE <iven@christuniversity.in>

Thu, Dec 10, 2020 at 12:49 PM

Dear sir,

Thank you sir for the quick reply. I request you to please look into the proceedings that we share after the meeting and give your comments over mail

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "D.Sriram kumar" <srk@nitt.edu>

Thu, Dec 10, 2020 at 12:50 PM

Dear sir

thank you for accepting our invite. I will share the documents pertaining to the agenda, shortly.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: ladu@ursc.gov.in

Thu, Dec 10, 2020 at 12:51 PM

Dear sir

thank you for accepting our invite. I will share the documents pertaining to the agenda, shortly.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: Manjunatha Reddy <mreddyhv@cadence.com>

Thu, Dec 10, 2020 at 12:51 PM

Dear manjunath

thank you for accepting our invite. I will share the documents pertaining to the agenda, shortly.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.

RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: debarati@gssst.iitkgp.ernet.in

Thu, Dec 10, 2020 at 12:52 PM

Dear madam
thank you for accepting our invite. I will share the documents pertaining to the agenda, shortly.
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: maheshvbgl@gmail.com

Thu, Dec 10, 2020 at 12:53 PM

Dear sir
[Quoted text hidden]

 **invite on letter head.docx**
81K

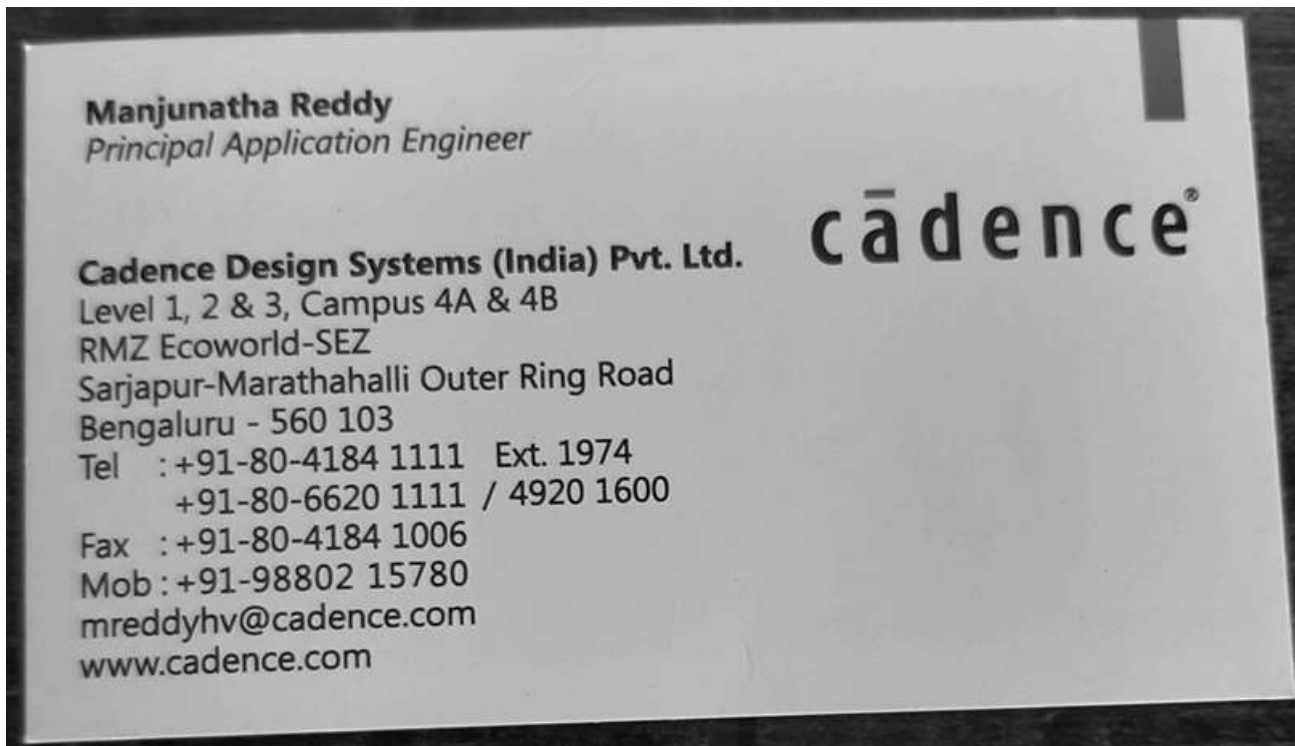
Manjunatha Reddy <mreddyhv@cadence.com>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Thu, Dec 10, 2020 at 3:17 PM

Dear Respected Madam,

Greetings...Many Thanks for the message ...

Here attached is the scanned copy of my company visiting card for your consideration...



[Quoted text hidden]



20201210_151241.jpg
614K

Mahesh V <maheshvbgl@gmail.com>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Thu, Dec 10, 2020 at 9:16 PM

Thanks for the invite. I will join the BoS meeting online. Please confirm the time and approx duration of the event.

Regards

Mahesh.V

Ph 9341907704

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: Mahesh V <maheshvbgl@gmail.com>

Fri, Dec 11, 2020 at 10:49 AM

dear sir

Thanks for accepting to join the meeting. The start time is 10 am and duration would be one to two hours
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: DEPT OF TELECOMMUNICATION <telecom@rvce.edu.in>

Mon, Dec 14, 2020 at 2:57 PM

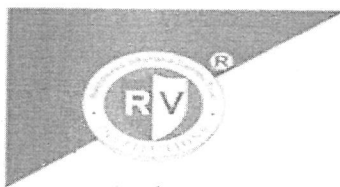
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

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University, Belagavi

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New Delhi, Accredited
by NAAC, Bengaluru

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**Department of Electronics and
Telecommunication Engineering**

Ph: 080-57178040, 8041
e-mail: hod.te@rvce.edu.in

Minutes of 24th BoS meeting held on 17/12/2020, at 10 am in Audio Video seminar hall, Electronics & Telecommunication Engineering Department.

The meeting started with a warm welcome from BoS Chairman to all the BoS Members & Invitees. The BoS chairman started with prelude about the Electronics & Telecommunication Engineering dept.

Agenda:

- To read and record the minutes and action taken report of 23rd BoS Meeting held on 14th Dec. 2019.
- To discuss the Scheme of teaching and detailed syllabus of 7th semester and 8th semester of 2018 scheme UG.
- To approve the Credit Equivalence cases of UG.
- To discuss the implementation strategies of NEP 2020 for Curriculum revision from academic year 2021-22.
- Any other points – Activities carried out during the pandemic period from March 2020 till date.
- Action taken on the feedback by the stake holders was discussed.

Following are the deliberations of the meeting:

1. The meeting started with Introduction about the department, vision & mission, program outcomes, program educational objectives, program specific outcomes, curriculum design process.
2. Minutes and action taken report of 23rd BoS Meeting which was held on 14th Dec. 2019 was read and members appreciated the action taken

Following were the suggestions given by the BoS members

Sl. No.	Course with course code	Suggestions given by the BoS members	Action Taken
VII- Semester			
1	Wireless Communication (18TE72)	<ul style="list-style-type: none"> • <i>Mr. Ramesh naidu</i> suggested to put basic introduction on 5G. • <i>Mr. Mahesh V</i> suggested that along with the basic cellular systems to touch up on how the structure can be customized so that it can be used in applications like spread spectrum techniques etc & to touch upon downlink & uplink concepts so that the students will come to know about the whole concepts of the structure. • <i>Dr. Debarati Sen</i> suggested that apart from equalization techniques to touch upon synchronization in equalization technique so that the students can understand how the packet detection can be done & eliminate the error at the receiver side. • <i>Mr. Manjunath</i> suggested to introduce how to avoid interference which is caused by other standards (Co-existence 	The course coordinators agreed to relook into the content
2	Optical Fiber Communication (18TE73)	<ul style="list-style-type: none"> • <i>Mr. Mahesh V</i> suggested introducing Li-Fi & quantum cryptography if possible. • <i>Dr. Sriram kumar</i> suggested to have optical bench to measure various parameters. 	The topics suggested will be covered as a part of the assignment.

3	Application Specific Integrated Circuits (18TE7F1)	<ul style="list-style-type: none"> • Mr. Ramesh naidu & Mr. Manjunath appreciated introduction of this course. • Dr. T Laxminidhi suggested to rewrite the course outcomes. • Mr. Manjunath suggested to introduce the use of logic verification in classroom discussion before going into the physical design & Exposure to Technology library. • Mr. Mahesh V suggested to tie up with IISc to enhance practical exposure to 	
4	MIMO systems (18TE7F2)	<ul style="list-style-type: none"> • Dr. Debarati Sen suggested introducing interference cancellation scheme on multiple domain. To introduce basics of Non-orthogonal modulation technique, Massive MIMO systems. • To give some projects on SDR rather than introducing in the syllabus, instead introduce Massive MIMO in unit 5. 	The Interference cancellation schemes and Massive MIMO will be given a part of the self study
5	Satellite and Navigation Systems (18TE7F3)	<ul style="list-style-type: none"> • Mr. Ramesh naidu suggested to add communication satellites & classifications in Unit 1. To add Telemetry & Tele command subsystems in unit 2. • Appreciated introduction of Radar in unit 5. And suggested to include case studies of Indian navigation systems. 	These inputs are accepted and added
6	Wireless Networks and Standards (18TE7F4)	<ul style="list-style-type: none"> • Dr. Debarati Sen suggested to introduce LTE networks in detail instead of IEEE standards. To combine IEEE 802.15 & 16 if possible. To remove Body area networks & to introduce LTE networks in Unit 5. • Mr. Ramesh naidu appreciated introduction of research issues in wireless communication in Unit 5 & suggested to introduce in all courses. 	These suggestions are incorporated
7	5G Mobile Networks (18TE7G1)	<ul style="list-style-type: none"> • Dr. Debarati Sen suggested to introduce Cloud RAN in 5G networks. • The flow of syllabus content has to be changed. • To introduce Implementation of 4G & 5G, distributed Massive MIMO structure in 5 layers, Virtualization concepts, Network architecture of radio 5G mobile network. 	The chairman suggested course coordinators to redo the content and refer to few more books

8	Multimedia communication (18TE7G2)	<ul style="list-style-type: none"> Mr. Ramesh naidu suggested to cover JPEG 2000, Integer to integer Wavelet transforms for compression in unit 4 & to introduce SPIHT algorithm. To introduce internet services in Unit 5. 	Course coordinators agreed to include the topics
9	Cryptography and Network Security (18TE7G3)	<ul style="list-style-type: none"> Mr. Mahesh V suggested to introduce Quantum cryptography and other advanced topics 	
10	Deep Learning and Artificial Intelligence (18TE7G4)	<ul style="list-style-type: none"> Dr. Debarati Sen suggested to introduce Key learning & Reinforcement learning. To implement some Case studies using software tools To carry out projects on wireless applications using Deep learning & AI. Suggested a book on AI for wireless communication. 	
11	Space Technology and Applications (18G7HXX)	<ul style="list-style-type: none"> Mr. Ramesh naidu suggested to introduce classification of satellites. To include internet as a space applications in unit 3. Restructuring to be done in unit 4 and 5. Suggested to separate payload & applications 	These inputs will be incorporated
VIII- Semester			
12	Major Project (18TEP81)	<ul style="list-style-type: none"> Mr. Ramesh naidu sought clarification on involving Industry Guide in student project evaluation. 	HoD clarified the same

- Requested all the BoS members to approve the Credit Equivalence cases of UG.
- Discussed the implementation strategies of NEP 2020 for Curriculum revision from academic year 2021-22.
 - The members opined that it is too early to evolve all strategies for implementation.
 - They felt, some of the points like Inter disciplinary learning, Skill based learning, OBE, project based learning, Internships etc. are already part of curriculum.
 - They said that, other points like multiple entry, exit options and flexibility to the student needs lot of careful planning.
- Under other points, the chairman listed various value add activities done in the department during the lockdown period and appraised the members of how the teaching – learning process continued despite the pandemic situation.

Meeting concluded with thanks to all the members

Sreelakshmi
Prof & Head 21/12/20

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059

R.V.COLLEGE OF ENGINEERING
BANGALORE – 560059
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
(Autonomous institute, Affiliated to VTU, Belgaum)
24th BOS Committee Meeting

Date: 17-12-2020

Members Present

Sl.No	Structure	Names	
1	Chairman	1 Dr. K. Sreelakshmi Professor & Head Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
2	BOS Members	1 Dr. G Sadashivappa Professor Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
		2 Dr. H V Kumaraswamy Professor Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru..	Present
		3 Prof. P. Nagaraju Associate Professor Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru..	Present
		4 Dr. B Roja Reddy Associate Professor Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru	Present
		5 Dr. R Bhagya. Associate Professor Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru.	Present
3	Subject Experts from Outside the college	1. Dr. T Laxminidhi Professor and Head of the Department Department of Electronics and Communication Engineering National Institute of Technology NH 66, Srinivas Nagar, Surathkal, Mangaluru, Karnataka 575025 Ph: 9480575653 email: laxminidhi_t@nitk.edu.in	Present
			Present

		2. Dr. Debarati Sen Assistant Professor GS Sanyal School of Telecommunication Indian Institute of Technology Kharagpur Kharagpur, India - 721302 Ph: 9475512980 email: debarati@gssst.iitkgp.ernet.in	<i>present</i>
4	Representative from Industry / Corporate Sector	1 Mr. Ramesh Naidu Dy General Manager (ETS) ISRO, U R Rao Satellite Centre (URSC) Old Airport Road, Vimanapura Post, Bengaluru - 560 017 Ph: 9448896660 email: ladu@ursc.gov.in	Present
5	Postgraduate meritorious alumnus	1 Mr. V Mahesh Director R & D BEL, Corporate Office Outer Ring Road, Nagavara Bangalore – 560045 Ph: 9341907704 email: maheshvbg@gmail.com	Present
		2 Mr. Manjunath Reddy Principal Application Engineer, M/s. Cadence Design Systems (India) Pvt Ltd, Level 1, 2 & 3, Campus 4A & 4B RMZ Ecoworld- SEZ, Sarjapur- Marathahalli, outer ring Road, Bengaluru- 560103, Ph: 9880215780 email: mreddyvh@cadence.com	Present
6	Two Experts from outside the University	1 Dr. D. Sriram Kumar Professor Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli- 620015 Ph: 9443494495 email: srk@nitt.edu	Present
		2 Dr. Iven Jose, Director, Faculty of Engineering, Christ University, Kanminke, Mysore Road, Kumbagodu Post Bengaluru – 560074 Ph:9740273412 email: iven@christuniversity.in	Not Present

Sneelashumik
Professor & Head
Dept. of Electronics and
Telecommunication Engg.
R.V. College of Engineering
Bengaluru-560 059

R.V.COLLEGE OF ENGINEERING
BANGALORE – 560059
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
 (Autonomous institute, Affiliated to VTU, Belgaum)
24th BOS Committee Meeting

Date: 17-12-2020

Department Faculty Members Present

Sl. No.	Name of the Staff	Designation	Signature of the Faculty
1	Dr. K. Sreelakshmi	Professor & Head	<i>Sreelakshmi</i>
2	Dr. G. Sadashivappa	Professor	<i>G. Sadashivappa</i>
3	Dr. H. V. Kumaraswamy	Professor	<i>H. V. Kumaraswamy</i>
4	Dr. K. Nagamani	Professor	<i>Nagamani K</i>
5	Mr. P. Nagaraju	Assoc. Professor	<i>P. Nagaraju</i>
6	Dr. R. Bhagya	Assoc. Professor	<i>R. Bhagya</i>
7	Dr. B. Roja Reddy	Assoc. Professor	<i>B. Roja Reddy</i>
8	Dr. Premananda B. S	Assoc. Professor	<i>Premananda B. S</i>
9	Dr. K. Saraswathi	Assoc. Professor	<i>K. Saraswathi</i>
10	Dr. Shanthi P.	Assoc. Professor	<i>Shanthi P.</i>
11	Ms. Ushapadma	Asst. Professor	<i>Ushapadma</i>
12	Mr. T. P. Mithun	Asst. Professor	<i>T. P. Mithun</i>
13	Mr. Mohana	Asst. Professor	<i>Mohana</i>
14	Mrs. Ranjani. G	Asst. Professor	<i>Ranjani G</i>
15	Mrs. Neethu S	Asst. Professor	<i>Neethu S</i>
16	Mr. Pawan Kumar B	Asst. Professor	<i>Pawan Kumar B</i>
17	Mr. Viswavardhan Reddy K	Asst. Professor	<i>Viswavardhan Reddy K</i>
18	Mr. Shambulinga M	Asst. Professor	<i>Shambulinga M</i>
19	Mr. Nagendra N. N	Asst. Professor	<i>Nagendra N. N</i>
20	Ms. Mahalakshmi M. N	Asst. Professor	<i>Mahalakshmi M. N</i>
21	Mrs. Sandya H. B	Asst. Professor	<i>Sandya H. B</i>
22	Mr. Rakesh K R	Asst. Professor	<i>Rakesh K R</i>
23	Mrs. Shilpa G D	Asst. Professor	<i>Shilpa G D</i>



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Approved by AICTE,
New Delhi

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**Department of Electronics and
Telecommunication Engineering**
Ph: 080-68188213, 8214
e-mail: hod.tc@rvce.edu.in

Feed Back from the stakeholders for the academic year 2020-21

The feedback given by stakeholders

Stake holders	Feedback	Action Taken
Alumina	No critical points were indicated by students	
Student	Organize more Industry visit, More emphasis is required on software tools & to introduce courses wrt the industrial needs. 1. Lab components to be included that could help the students in more practical approach. 2. Current syllabus has only the basic concepts of the signals, advanced signal processing approach to be included. 3. As hardware experiments were only part of the syllabus, to understand the concepts in depth the same can be implemented on FPGA.	1. More number of Industry visits to be conducted to bridge the gap between academics and industry 2. Most software programming curriculum is added in Data structure and open elective courses 3. More emphasis is given for EL and open-ended experiments by using current industry tools.

Sreelakshmi
Prof. & Head

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059

As indicated above, based on the feedback of stakeholders, the following new courses were suggested to be included in the 2018 B.E (Telecommunication Engineering) Scheme and Syllabus revision. Curricular revisions were discussed in the Board of Studies meetings and the new courses suggested with changes in the syllabus compared to 2016 scheme are added and the same is reflected in the revised curricula with the course codes.

Sl. No.	Title of the new course added	Course code	Scheme in which the new course is added
1	Internship	18TE74	2018
2	Deep learning & AI	18TE7F3	2018
3	Wireless Network & Standards	18TE7F4	2018
4	RF Circuits & Systems	18TE7F5	2018

Sneelathuni
Prof. & Head

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059



Invitation to attend 25th BoS meeting ONLINE on 24th March at 2pm - reg

4 messages

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Mon, Mar 21, 2022 at 11:43 AM

To: am_vprakash@yahoo.co.in, am_vprakash@bit-bangalore.edu.in, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, debarati@gssst.iitkgp.ernet.in, ladu@urisc.gov.in, Mahesh V <maheshvbgl@gmail.com>, Manjunatha Reddy <mreddyhv@cadence.com>, "D.Sriram kumar" <srk@nitt.edu>, Iven Jose Engineering ECE <iven@christuniversity.in>
Bcc: "Sreelakshmi K." <sreelakshmik@rvce.edu.in>

Dear professors

Greetings from Electronics and Telecommunication Engineering department of RV College of Engineering , Bangalore.

As mentioned by me in my previous mails, we are in the process of revising our curriculum as per NEP guidelines from the academic year 2021-22. We have implemented the 1st year syllabus already.

We are now in the process of forming the 2nd year syllabus. The department's internal BoS committee has formulated a draft scheme and syllabus for the 2nd year BE in ETE, after taking inputs from the faculty and other stakeholders.

We request you to attend the 25th BoS meeting scheduled ONLINE on 24th March 2022, at 2pm, and share your valuable inputs for the 2nd year scheme and syllabus. The meeting time would be max one hour.

The meeting link and copy of draft syllabus will be shared shortly.

In anticipation of meeting all of you online,

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Electronics & Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311

 scanned invite letter.pdf
256K

Iven Jose Engineering ECE <iven@christuniversity.in>

Mon, Mar 21, 2022 at 2:14 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Dear Madam,
Thank You ! My pleasure to be associated online for the meeting...

Regards,

Dr. Iven Jose
Professor and Dean
School of Engineering and Technology

CHRIST(Deemed to be University), Bangalore
Kengeri-Campus,
Kanminike, Kumbalgodu,Mysore Road
Bengaluru, India. 560074

Phone: (+91) 080-40129845
Mobile: (+91) 9740273412
E-mail: dean.engineering@christuniversity.in, iven@christuniversity.in
Page: <http://www.christuniversity.in/electronics-and-communication-engineering/faculty-details/NjE0/ODI=>
Linkedin: <https://www.linkedin.com/in/dr-iven-jose-06201917/>

[Quoted text hidden]

Manjunatha Reddy <mreddyhv@cadence.com> Mon, Mar 21, 2022 at 2:16 PM
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>, "am_vprakash@yahoo.co.in" <am_vprakash@yahoo.co.in>, "am_vprakash@bit-bangalore.edu.in" <am_vprakash@bit-bangalore.edu.in>, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, "debarati@gssst.iitkgp.ernet.in" <debarati@gssst.iitkgp.ernet.in>, "ladu@ursc.gov.in" <ladu@ursc.gov.in>, Mahesh V <maheshvbg1@gmail.com>, "D.Sriram kumar" <srk@nitt.edu>, Iven Jose Engineering ECE <iven@christuniversity.in>

Dear Madam,

Greetings...!!!

Thank you for sending the 25th BoS meeting invite....

I am very much obliged to accept your invitation & will share our industrial experience ...

Thanks and Best Regards,

Manju

	Manjunatha Reddy H V Principal Application Engineer		
	O: +91-80-41841111 Ext. 1974		
	M: +91-9880215780		

From: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
Sent: Monday, March 21, 2022 11:43 AM
To: am_vprakash@yahoo.co.in; am_vprakash@bit-bangalore.edu.in; Laxminidhi T. <laxminidhi_t@nitk.edu.in>; debarati@gssst.iitkgp.ernet.in; ladu@ursc.gov.in; Mahesh V <maheshvbg1@gmail.com>; Manjunatha Reddy <mreddyhv@cadence.com>; D.Sriram kumar <srk@nitt.edu>; Iven Jose Engineering ECE <iven@christuniversity.in>
Subject: Invitation to attend 25th BoS meeting ONLINE on 24th March at 2pm - reg

EXTERNAL MAIL

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "Mohana Mr." <mohana@rvce.edu.in>

Wed, Mar 23, 2022 at 1:51 PM

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-67178040/41

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

From: **TELECOMMUNICATION ENGINEERING RVCE** <hod.tc@rvce.edu.in>

Date: Mon, Mar 21, 2022 at 11:43 AM

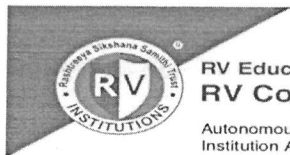
Subject: Invitation to attend 25th BoS meeting ONLINE on 24th March at 2pm - reg

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Date: 29-03-2022

Minutes of Meeting

Minutes of 25th BoS meeting held on 24-03-2022 (Thursday), 02 pm at Seminar Hall, Electronics & Telecommunication Engineering Department, RVCE.

The meeting started with a warm welcome from BoS Chairman to all BoS Members & Invitees. BoS chairman started with prelude about the Electronics & Telecommunication Engineering dept.

Agenda:

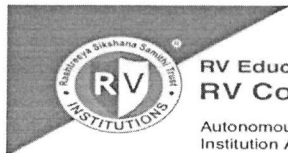
- To read and record the minutes and action taken report of 24th BoS Meeting held on 17/12/2020.
 - To discuss the Scheme of teaching of 3rd and 4th semester of 2021 scheme UG.
 - To discuss the detailed syllabus and MOOCs Electives of 3rd and 4th semester of 2021 scheme UG.
 - Any other points relevant to the NEP implementation.
- Action taken on the feedback by the stake holders was discussed.

Following are the deliberations of the meeting:

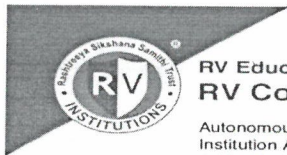
- The meeting started with Introduction about the department, vision & mission, program outcomes, program educational objectives, program specific outcomes, curriculum design process.
- Minutes and action taken report of 24th BoS Meeting which was held on 17/12/2020 was read and members appreciated the action taken.

Following were the suggestions given by the BoS members

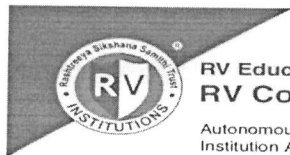
Sl. No.	Course Title with code	Suggestions given by the BoS members	Action Taken
III Semester			
1	21MA31A - Linear Algebra, Integral Transforms and Fourier Series	<p>Mr. Ramesh Naidu: suggested syllabus looks vast, it may be difficult for average and poor students, and students may not learn all the concepts properly.</p> <p>Mr. Mahesh V suggested Modern algebra up to Galois Fields will be helpful for Analysis of Digital circuits in the same semester.</p>	These inputs are submitted to Math's board to relook into the content.
2	21BT32A-	Dr. Vijaya Prakash A. M and Mr.	These inputs submitted



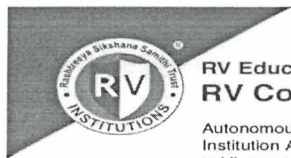
	Environmental Technology	<p>Ramesh Naidu: Network Analysis and Signals and Systems course are mathematics oriented hence students require additional inputs to solve numerical problems and assigned credits are less. So, suggested ET is theory based course. 1 credit may be shifted from ET course to NA or S&S course.</p> <p>Dr. Debarati Sen suggested to share the syllabus content after revision of credits for NA and S&S course.</p>	dean academics for further course of action
3	21EE33- Linear Integrated Circuits	Mr. Ramesh Naidu: suggested syllabus looks vast, it is required to recheck the content.	These are inputs submitted to EEE board, The course coordinators agreed to relook into the content.
4	21EC34- Analysis and Design of Digital Circuits	<p>Dr. D. Sriram Kumar and Dr. Vijaya Prakash A. M: Suggested software component like Verilog may be introduced in lab.</p>	Course coordinator and course handling faculty members suggested it is difficult to cover both Verilog and Digital concepts in one course. As already it is experimented in 2016 scheme syllabus. For Verilog additional elective / MOOC Course may be introduced in 5 th semester or a bridging workshop may be conducted on weekends, so that students can apply the same knowledge in experiential learning and labs.
5	21ET35-Signals and Systems	Mr. Mahesh V suggested matrix computation fundamental may be useful for Signal and Systems. If possible, some important Matrix properties and its	Credit transfer input submitted to dean academics for further course of action.



		computation can be added. All the members approved course. One credit may be shifted from ET to S& S.	
6	21ET36-Network Analysis	Mr. Manjunath Reddy: suggested S-parameters may be included in unit 4. Dr. Vijaya Prakash A. M: Suggested to check NEP guidelines for the conduction of 2Hrs SEE examination for 2 credit course. All the members suggested one credit may be shifted from ET to S& S. Dr. Debarati Sen suggested to enhance content if one more extra credit assigned to this course.	Chairman justified it is 02 credit course. It may be included if one more extra credit is assigned to this course.
7	21HS39- Ability Enhancement course - I	Dr. Vijaya Prakash A. M and committee members asked what type of courses included in this component. <i>one</i>	Dr. G Sadashivappa and Chairman justified basket of courses from III-VII semester such as NCC; NSS; Physical Education (Sports & Athletics); Music / Theatre; Art Work / Painting / Photography are planned, HSS board will take appropriate decision for course mapping to respective semester.
		Dr. Vijaya Prakash A. M asked I think as per NEP guidelines one exclusive lab should be present in each semester.	Chairman justified labs are proposed as per infrastructure and operational conditions. However NEP guidelines would be rechecked.



IV Semester			
8	21MA41A- Statistics And Probability Fundamentals For Machine Learning	Committee members Approved this course	
9	21EC42B- Engineering Materials	Committee members Approved this course and syllabus	
10	21ET43- Principles of Communication Engineering	Dr. Vijaya Prakash A. M suggested to remove the words "review of Fourier transform" in syllabus. Dr. Debarati Sen suggested to include QAM in carrier modulation. Committee members Approved this course and syllabus.	Course coordinator agreed and included same in syllabus.
11	21EI44- Microcontroller & Programming	Dr. Vijaya Prakash A. M suggest to recheck the lab components. Committee members Approved this course and syllabus.	Course coordinator agreed to recheck the lab comment.
12	21ET45- Field Theory	Dr. Vijaya Prakash A. M suggested that chapter names should be renamed as per syllabus. Committee members Approved this course and syllabus.	Course coordinator agreed to recheck the chapter names.
13	21ET4AX- Group A: Professional Electives (MOOC Courses)	Mr. Ramesh Naidu suggested it is very good initiate, all the courses are very good it will students. Committee members approved these courses	
		Dr. D. Sriram Kumar suggested Major project in 8 th semester is good; it will help students to carryout internship in industries. Dr. Vijaya Prakash A. M suggested concept of Technical seminar is missing in scheme.	Chairman and Dr. G Sadashivappa justified exptintal learning component is available in all courses, presentation skill, report writing skills of student will be improved. Hence 'Technical seminar' as an exclusive course not included.



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University, Belagavi

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New Delhi

RVE/ET/ /20 -20

Go, change the world

Department of Electronics and
Telecommunication Engineering

Ph: 080-68188213, 8214
e-mail: hod.tc@rvce.edu.in

Meeting concluded with thanks to all the members

Members Present in meeting:

External BoS Members - joined online	
1	Dr. Debarati Sen
2	Dr. Vijaya Prakash A. M.
3	Mr. Ramesh Naidu
4	Dr. D. Sriram Kumar
5	Mr. Manjunath Reddy
6	Mr. Mahesh V
Internal BoS Members - joined offline	
6	Dr. K. Sreelakshmi
7	Dr. G. Sadashivappa
8	Prof. P. Nagaraju
9	Dr. Shanthi P
10	Prof. Mohana
Invitee Members – joined offline	
11	Dr.K Nagamani
12	Dr. B Roja Reddy
13	Dr. K Saraswathi
14	Dr. Premananda B S
15	Prof. Mahalakshmi M N
16	Prof. K Viswavardhana Reddy
17	Prof. Rakesh K R

Sreelakshmi.k
Dr. K Sreelakshmi 29/3/22
BoS Chairman
Professor & HOD
Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059

R.V.COLLEGE OF ENGINEERING
BANGALORE – 560059
DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
 (Autonomous institute, Affiliated to VTU, Belgaum)
25th BOS Committee Meeting

Date: 24-03-2022

Members Present

Sl.No	Structure	Names	Signature
1	Chairman	1 Dr. K. Sreelakshmi Professor & Head Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru.	<i>Sreelakshmi</i> 24/3/22
2	BOS Members	1 Dr. G Sadashivappa Professor Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru.	<i>Gan</i> 24.3.22
		2 Dr. H V Kumaraswamy Professor Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru..	Leave of Absence
		3 Prof. P. Nagaraju Associate Professor Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru..	<i>P. Nagaraju</i> 24/3/22
		4 Dr. Shanthi P Associate Professor Dept. of Electronics & Telecommunication Engineering R V College of Engineering, Bengaluru	<i>Shanthi</i> 24/3/22
		5 Mr. Mohana Assistant Professor Dept. of Electronics & Telecommunication Engineering	<i>Mohana</i> 24/03/2022

Department of Telecommunication Engineering

R. V. College of Engineering, Bengaluru

		R V College of Engineering, Bengaluru.	
3	Subject Experts from the Outside college	<p>1. Dr. T Laxminidhi Professor and Head of the Department Department of Electronics and Communication Engineering National Institute of Technology NH 66, Srinivas Nagar, Surathkal, Mangaluru, Karnataka 575025 Ph: 9480575653 email: laxminidhi_t@nitk.edu.in</p> <p>2. Dr. Vijaya Prakash A. M. Professor, Dept. of Electronics & Communication Engineering Bengaluru Institute of Technology, Bengaluru- 560004 M: 9844658446 email: am_vprakash@yahoo.co.in am_vprakash@bit-bangalore.edu.in</p>	<p>—</p> <p>joined online</p>
4	Subject Experts from the Outside college to be nominated by the Vice Chancellor from a panel of six recommended by the Principal.	<p>Dr. Debarati Sen Assistant Professor GS Sanyal School of Telecommunication Indian Institute of Technology Kharagpur Kharagpur, India - 721302 Ph: 9475512980 email: debarati@gssst.iitkgp.ernet.in</p>	Joined online
5	Representative from Industry / Corporate Sector	<p>1 Mr. Ramesh Naidu Dy General Manager (ETS) ISRO, U R Rao Satellite Centre (URSC) Old Airport Road, Vimanapura Post, Bengaluru - 560 017 Ph: 9448896660 email: ladu@ursc.gov.in</p>	Joined online
6	Postgraduate meritorious alumnus	<p>1 Mr. V Mahesh Director R & D BEL, Corporate Office Outer Ring Road, Nagavara Bangalore – 560045 Ph: 9341907704 email: maheshvbgl@gmail.com</p>	Joined online

Board of Studies

		2	Mr. Manjunath Reddy Principal Application Engineer, M/s. Cadence Design Systems (India) Pvt Ltd, Level 1, 2 & 3, Campus 4A & 4B RMZ Ecoworld- SEZ Sarjapur- Marathahalli, outer ring Road, Bengaluru- 560103, Ph: 9880215780 email: mreddyvhv@cadence.com	Joined online
7	Two Experts from outside the University	1	Dr. D. Sriram Kumar Professor Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli- 620015 Ph: 9443494495 email: srk@nitt.edu	Joined online
		2	Dr. Iven Jose, Director, Faculty of Engineering, Christ University, Kanminke, Mysore Road, Kumbagodu Post Bengaluru – 560074 Ph:9740273412 email: iven@christuniversity.in	-
8	Invitee members		N AGAMANI .K	
			B. Roja Reddy	
			Sarashatti .K	

Sreelashmi.k

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059



Feed Back from the stakeholders for the academic year 2021-22

The feedback given by stakeholders

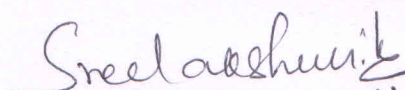
Stake holders	Feedback	Action Taken
Alumina	No critical points were indicated by students	
Student	<ol style="list-style-type: none"> 1. More Emphasizes on advanced topics. 2. Hands on advanced topics can be added for the course. 3. Implement project-based learning exercises where students tackle real-world design problems from conception to physical implementation. 4. Encourage collaboration and hands-on experience to reinforce theoretical knowledge. 	<p>Lab experiments with new simulation tools and hardware kits are to be included for the industry exposure.</p> <ol style="list-style-type: none"> 1. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 2. More emphasis is given for EL and open-ended experiments by using current industry tools. 3. More open ended experiments are added in practical's.

Sreelakshmi.k
Prof. & Head

Professor & Head
Dept. of Electronics and
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RV College of Engineering
Bengaluru-560 059

As indicated above, based on the feedback of stakeholders, the following new courses were suggested to be included in the 2021 B.E (Electronics & Telecommunication Engineering) Scheme and Syllabus revision. Curricular revisions were discussed in the Board of Studies meetings and the new courses suggested with changes in the syllabus compared to 2018 scheme are added and the same is reflected in the revised curricula with the course codes.

Sl. No.	Title of the new course added	Course code	Scheme in which the new course is added
1	Programming, Data Structures And Algorithms Using Python	21ET4A1	2021
2	Design and analysis of algorithms	21ET4A2	2021
3	Advanced Computer Architecture	21ET4A3	2021
4	Data Base Management System	21ET4A4	2021
5	Data Science for Engineers	21ET4A5	2021


Prof. & Head

Professor & Head
Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059



Invite to 26th BoS meeting

10 messages

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Mon, Nov 21, 2022 at 4:54 PM

To: "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, vijay prakash <am_vprakash@yahoo.co.in>, am_vprakash@bit-bangalore.edu.in, debarati@gssst.iitkgp.ernet.in, ladu@urisc.gov.in, Mahesh V <maheshvbgl@gmail.com>, Manjunatha Reddy <mreddyvhv@cadence.com>, "D.Sriram kumar" <srk@nitt.edu>, Iven Jose Engineering ECE <iven@christuniversity.in>

Dear Sir / Madam

Department of Electronics and Telecommunication Engineering, RV College of Engineering, Bangalore, is in the process of revising MTech curriculum from the academic year 2022-23. In view of this, the 26th BoS meeting is convened in **BLENDED MODE (CISCO WEBEX PLATFORM)** on **26th Nov 2022, between 10.00 to 11.00 am.** I invite you cordially to attend the BoS meeting either in ONLINE or OFFLINE mode and give your valuable inputs. Please find attached the proposed scheme and syllabus of 2022 and existing 2018 scheme and syllabus.

Venue for OFFLINE meeting is Audio- video seminar hall, Department of Electronics and Telecommunication Engineering, RV College of Engineering, Bangalore.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Electronics & Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-68188213/14

3 attachments

 **meeting invite scanned.pdf**
270K

 **MDC-Digital-Communications - 2018 scheme.pdf**
1154K

 **MDC-Digital Communications- 2022 scheme and syllabus.pdf**
946K

Manjunatha Reddy <mreddyvhv@cadence.com>

Mon, Nov 21, 2022 at 5:19 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, vijay prakash <am_vprakash@yahoo.co.in>, "am_vprakash@bit-bangalore.edu.in" <am_vprakash@bit-bangalore.edu.in>, "debarati@gssst.iitkgp.ernet.in" <debarati@gssst.iitkgp.ernet.in>, "ladu@urisc.gov.in" <ladu@urisc.gov.in>, Mahesh V <maheshvbgl@gmail.com>, "D.Sriram kumar" <srk@nitt.edu>, Iven Jose Engineering ECE <iven@christuniversity.in>

Dear Madam,

Greetings...!!!

Thank you for sending the 26th BoS meeting invite....

I am very much obliged to accept your invitation & going to join the meeting -ONLINE mode...Please send me the WebEx meeting invite....

Thanks and Best Regards,

Manju

cādence®

Manjunatha Reddy H V
Principal Application Engineer

O: +91-80-41841111 Ext.
1974

M: +91-9880215780



From: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Sent: Monday, November 21, 2022 4:55 PM

To: Laxminidhi T. <laxminidhi_t@nitk.edu.in>; vijay prakash <am_vprakash@yahoo.co.in>; am_vprakash@bit-bangalore.edu.in; debarati@gssst.iitkgp.ernet.in; ladu@urisc.gov.in; Mahesh V <maheshvbgl@gmail.com>; Manjunatha Reddy <mreddyvh@cadence.com>; D.Sriram kumar <srk@nitt.edu>; Iven Jose Engineering ECE <iven@christuniversity.in>

Subject: Invite to 26th BoS meeting

EXTERNAL MAIL

[Quoted text hidden]

Laxminidhi T. <laxminidhi_t@nitk.edu.in>

Mon, Nov 21, 2022 at 6:41 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Cc: vijay prakash <am_vprakash@yahoo.co.in>, am_vprakash@bit-bangalore.edu.in, debarati@gssst.iitkgp.ernet.in, ladu@urisc.gov.in, Mahesh V <maheshvbgl@gmail.com>, Manjunatha Reddy <mreddyvh@cadence.com>, "D.Sriram kumar" <srk@nitt.edu>, Iven Jose Engineering ECE <iven@christuniversity.in>

Dear madam,

Thanks for the invitation. However, due to unavoidable circumstances I am not in a position to attend. Kindly excuse me.

Regards

Laxminidhi T.

[Quoted text hidden]

vijay prakash <am_vprakash@yahoo.co.in>

Mon, Nov 21, 2022 at 10:09 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>

Cc: "am_vprakash@bit-bangalore.edu.in" <am_vprakash@bit-bangalore.edu.in>, "debarati@gssst.iitkgp.ernet.in" <debarati@gssst.iitkgp.ernet.in>, "ladu@urisc.gov.in" <ladu@urisc.gov.in>, Mahesh V <maheshvbgl@gmail.com>, Manjunatha Reddy <mreddyvh@cadence.com>, "D.Sriram kumar" <srk@nitt.edu>, Iven Jose Engineering ECE <iven@christuniversity.in>

Good Evening Madam,

I am here by Acknowledging that attending the meeting on 26th November in online mode kindly share the Link.

Thanks and regards

Dr. Vijaya Prakash A M

Dean Research and Development

Professor and Coordinators for PG Studies

Department of Electronics and Communication Engineering

Bangalore Institute of Technology

e-mail: am_vprakash@bit-bangalore.edu.in / am_vprakash@yahoo.co.in

Phone: 080-26613237 Mobile: +91 9844658446

[Quoted text hidden]

Debarati Sen <debarati@gssst.iitkgp.ac.in>

Tue, Nov 22, 2022 at 10:52 AM

Reply-To: debarati@gssst.iitkgp.ernet.in

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Cc: "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, vijay prakash <am_vprakash@yahoo.co.in>, am vprakash <am_vprakash@bit-bangalore.edu.in>, ladu@urisc.gov.in, Mahesh V <maheshvbgl@gmail.com>, Manjunatha Reddy <mreddyvh@cadence.com>, "D.Sriram kumar" <srk@nitt.edu>, Iven Jose Engineering ECE <iven@christuniversity.in>

Dear Madam,

Thank you for your invitation. I hereby confirm my presence in the BoS meeting.

Regards

Debarati

Dr. Debarati Sen

Associate Professor

G.S.Sanyal School of Telecommunications

Co-ordinating Warden (Allotment), HMC

Indian Institute of Technology Kharagpur

West Bengal - 721302

India

Phone: +91 3222 283908 (O)

E-mail: debarati@gssst.iitkgp.ac.in

Website: <http://www.iitkgp.ac.in/department/GS/faculty/gs-debarati>

From: "TELECOMMUNICATION ENGINEERING RVCE" <hod.tc@rvce.edu.in>

To: "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, "vijay prakash" <am_vprakash@yahoo.co.in>, "am vprakash" <am_vprakash@bit-bangalore.edu.in>, "debarati" <debarati@gssst.iitkgp.ernet.in>, ladu@urisc.gov.in, "Mahesh V" <maheshvbgl@gmail.com>, "Manjunatha Reddy"

<mreddyvhv@cadence.com>, "D.Sriram kumar" <srk@nitt.edu>, "Iven Jose Engineering ECE" <iven@christuniversity.in>

Sent: Monday, November 21, 2022 4:54:49 PM

Subject: Invite to 26th BoS meeting

[Quoted text hidden]

Mahesh V <maheshvbgl@gmail.com>

Tue, Nov 22, 2022 at 11:57 AM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Good morning. I confirm my participation in BoS through online. Please share the link.

Regards

Mahesh V

Former Director R&D, BEL

Mobile 9341907704

[Quoted text hidden]

D.Sriram kumar <srk@nitt.edu>

Fri, Nov 25, 2022 at 10:31 AM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Noted . Will attend the meeting Prof. Online.

Link?

Just alert me at right time Pl.

Sriram

NIT

Trichy

Quoting TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>:

Dear Sir / Madam

Department of Electronics and Telecommunication Engineering, RV College of Engineering, Bangalore, is in the process of revising MTech curriculum from the academic year 2022-23. In view of this, the 26th BoS meeting is convened in *BLENDED MODE (CISCO WEBEX PLATFORM)* on *26th Nov 2022, between 10.00 to 11.00 am*. I invite you cordially to attend the BoS

[Quoted text hidden]

--

D.Sriram Kumar,Ph.D

Professor

Department of ECE

National Institute of Technology

Tiruchirappalli- 620 015.

Tamil Nadu

India.

Mob: 94434 94495

Ph. 0431 2503311

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Fri, Nov 25, 2022 at 12:07 PM

To: "D.Sriram kumar" <srk@nitt.edu>

yes sir, will call.

thanks for accepting, link is coming up

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-68188213/14

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "Laxminidhi T." <laxminidhi_t@nitk.edu.in>

Fri, Nov 25, 2022 at 12:12 PM

dear sir

Thanks for replying early.
I have anyway shared the meeting link, incase you find time, please join.

Otherwise also please share your inputs in mail at any time within 20th of december 2022, we will incorporate the same.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-68188213/14

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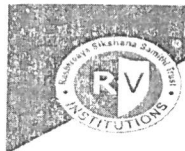
TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: Manjunatha Reddy <mreddyhv@cadence.com>

Fri, Nov 25, 2022 at 12:14 PM

please confirm if you received the meeting link
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-68188213/14

[Quoted text hidden]



Date: 26-11-2022

Minutes of Meeting

Minutes of 26th BoS meeting held on 26-11-2022 (Saturday), 10 am at Seminar Hall, Electronics & Telecommunication Engineering Department, RVCE.

The meeting started with a warm welcome from BoS Chairman to all BoS Members & Invitees. BoS chairman started with prelude about the Electronics & Telecommunication Engineering dept.

Agenda:

- To read and record the minutes and action taken report of 25th BoS Meeting held on 29/03/2022.
- To discuss the Scheme of teaching and detailed syllabus of 1st to 4th semester of 2022 scheme PG.
- To discuss the MOOCs Electives of 3rd and 4th semester of 2021 scheme UG.
- Any other points relevant to the NEP implementation.
- Action taken on the feedback by the stake holders was discussed.

Following are the deliberations of the meeting:

1. The meeting started with Introduction about the department, vision & mission, program outcomes and curriculum design process.
2. Minutes and action taken report of 25th BoS Meeting which was held on 29/03/2022 was read and members appreciated the action taken.
3. Comparison between 2018 & 2022 scheme of PG in terms of credits.

Course Component	Credits (2016)	Credits (2018)	Credits (2022)
Humanities	10	04	04
Mathematics	04	03	04
Engineering Science	00	00	00
Professional core	20	24	26
Professional elective	28	20	13
Other	00	03	03
Project (Major, Minor, Technical seminar)	38	34	30
Total credits	100	88	80

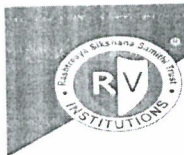


Following were the suggestions given by the BoS members

Sl. No.	Course code	Course Title	Suggestions given by the BoS members	Action Taken
1.	Overall credit structure		Dr. D. Sriram Kumar opined that 80 credit is slightly high for PG students and reduction in credit for professional elective is contradicting NEPs flexibility feature and that interdisciplinary elective be combined with professional electives	Chairman justified that credit structure is as per the VTU guidelines and reduction in credit for professional elective is due to ability enhancement and interdisciplinary courses introduced as per NEP
I Semester				
	22MAT11A	Linear Algebra and Probability Theory	Members suggested for 50%teaching from ETE department comprising of domain specific case studies	
	22MDC12	Advanced Digital Communication	Members suggested elaborating the topics in lab component and to include SDR topic in the theory.	Course coordinator clarified SDR relevant to lab implementation is done through lab instruction itself
	22MDC13	Advanced Signal Processing	Lab component need to be included	
	22MDC14L	Coding Laboratory	Members opined that <ul style="list-style-type: none"> The course needs preamble and set of questions for implementation They suggested to strengthen with all courses which do not have lab 	



			<p>component and the corresponding mapping to courses shall be shown.</p> <ul style="list-style-type: none"> The members felt implementation of communication system with some coding is required. 	
GROUP A: PROFESSIONAL ELECTIVES				
2.	22MDC1A1	Mobile Adhoc Networks	Mr. Mahesh felt it can be a core course	
3.	22MDC1A2	Data Communication & Applications	Dr. Debarti Sen suggested nomenclature to be changed to multimedia communication (or) Audio video transmission techniques To include .266, MPEG7, HVEC topics in Unit IV and G. standards in Unit III	
4.	22MDC1A3	Image Processing and Computer Vision	Mr. Mahesh opined that it is an industry relevant course Dr. Debarthi Sen suggested for inclusion of Lab component Dr. Vijay Prakash felt inclusion of neural networks is needed	Chairman said that those topics are included in Machine and deep learnig
GROUP B: PROFESSIONAL ELECTIVES				
1.	22MDC1B1	Artificial Intelligence and Deep Learning	Members suggested to reframe introductory topics as introduction to ML	
2.	22MDC1B2	Data Structures and Algorithms	Dr. G sadashivappa suggested to consider this course as a lab associated core course	Chairman and course coordinators clarified that lab component will be included under Experiential Learning



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Approved by AICTE,
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e-mail: hod.te@rvce.edu.in

				component
3.	22MDC1B3	Broadband Networks	Members felt that addition of 5G topics would be relevant	Chairman clarified that a separate course is offered in III semester for 5G communication
II Semester				
1.	22IM21	Research Methodology #	Dr. Debarthi Sen, Dr. Vijay Prakash and Mr. Mahesh suggested to augment experiential learning, add topics like How to read standard documents (like ITU, IEEE, 3GPP) and IPR protection in telecom industry/Academia	
2.	22MDC22	Optical Fiber Communication and Networks	Dr. Sriram Kumar felt few topics are repeated from UG and thus lengthy	Course handling faculty members clarified that unit I and II, will be discussed in brief
3.	22MDC23	Antenna Arrays and applications	Mr. Mahesh suggested to add intelligent reflecting element in Unit III or V	
4.	22MDC25L	Antennas and RF Laboratory	Members suggested elaborating the topics in lab component	
5.	22HSS24	Professional Skills Development-I		
GROUP C: INDUSTRY BASED ELECTIVE				
1.	22MDC2C1	RF and Microwave Circuit Design for Wireless Communication Systems		
2.	22MDC2C2	Vehicular		



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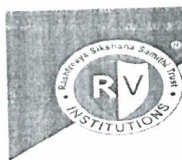
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		Communications and Networks		
3.	22MDC2C3	Software Defined Networks		
4.	22MCS2C3	Robotics and Industrial Automation		
GROUP D: INTERDISCIPLINARY ELECTIVE				
1.	22ET2D11	Tracking and Navigation Systems	Members suggested to add UWB radars topic in the course	
III Semester				
1.	22MDC31	5G Wireless Communication	<p>Dr. Debarthi Sen and Mr. Mahesh V suggested that</p> <ul style="list-style-type: none"> Nomenclature be changed to 5G and beyond wireless communication. Ultra massive MIMO, cell free communication system topics shall be added Unit V can be moved to Unit II and 5G channel model can be added In Unit V topics on CSI mechanism, Design techniques for high speed communication, UWB Communication, Quantum computing, velocity wise modification, research and industry activities in 5G shall be added. Lab component or project can be given with credits as it improves the understanding 	
2.	22MDC3EX	Professional Elective E		
3.	22MDC32	Internship	• Dr. Debarthi Sen Chairman clarified	



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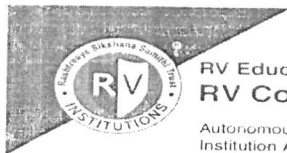
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			<p>questioned if association funded projects is a part of internship or industry association is mandatory</p> <ul style="list-style-type: none"> • Dr. Sriram kumar suggested that industry association be properly reflected in guidelines • Members appreciated the inclusion of internship as a credited course 	<p>that industry association is mandatory. However consultancy projects and worklets from industry associated with CoE is considered</p>
4.	22MDC33P	Minor Project	<ul style="list-style-type: none"> • Dr. Debarthi Sen concerned on the credits for Minor project and sought clarity with respect to Internship. She suggested to move internship to II semester and flexible project work extending from III semester to IV semester and a course work Or II semester courses to IV sem • Mr. Mahesh suggested that course in semester III to be moved to II semester and one year devoted completely to project such that backlogs are also completed in II year itself • Dr. Vijay parakash suggested for flexible split between Internship, Minor project and Major project 	<p>Chairman clarified that Internship will be carried in the vacation between II and III semesters and the evaluation at III semester</p>
GROUP E: PROFESSIONAL ELECTIVES				
1.	22MDC3E1	Adaptive Signal Processing		
2.	22MDC3E2	Channel Coding Techniques		
3.	22MDC3E3	Cryptography and	Mr. Mahesh suggested that	



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		Network Security	Matrix computation and decrypting unknown data can be added																			
IV Semester																						
1.	22MDC41P	Major Project																				
2.	22HSS42	Professional Skills Development-II	Chairman sought permission to offer MOOC courses																			
Other points																						
1.	Chairman sought permission from members for inclusion of following additional MOOC courses under 2018 scheme V semester Professional elective 'A' group as the existing courses were not reflected by NPTEL for the current semester																					
	<table><tr><th>Course code</th><th>Course Name</th></tr><tr><td>18TE5A1</td><td>Introduction to Embedded System Design</td></tr><tr><td>18TE5A2</td><td>Fundamentals of semiconductor devices</td></tr><tr><td>18TE5A3</td><td>Control engineering</td></tr><tr><td>18TE5A4</td><td>Advanced Computer Architecture</td></tr><tr><td>18TE5A5</td><td>The Joy of Computing using Python</td></tr><tr><td>18TE5A6</td><td>Introduction To Internet Of Things</td></tr><tr><td>18TE5A7</td><td>Programming In Java</td></tr><tr><td>18TE5A8</td><td>Sensors and actuators</td></tr></table>				Course code	Course Name	18TE5A1	Introduction to Embedded System Design	18TE5A2	Fundamentals of semiconductor devices	18TE5A3	Control engineering	18TE5A4	Advanced Computer Architecture	18TE5A5	The Joy of Computing using Python	18TE5A6	Introduction To Internet Of Things	18TE5A7	Programming In Java	18TE5A8	Sensors and actuators
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18TE5A5	The Joy of Computing using Python																					
18TE5A6	Introduction To Internet Of Things																					
18TE5A7	Programming In Java																					
18TE5A8	Sensors and actuators																					
2.	Chairman also sought permission to replace Dr. Mohana with Dr. Ranjani G as a internal BoS member																					

Meeting concluded with thanks to all the members



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Members Present in meeting:

External BoS Members - joined online		Signature
1	Dr. Debarati Sen	Online
2	Dr. Vijaya Prakash A. M.	Online
3	Dr. D. Sriram Kumar	Online
4	Mr. Mahesh V	Online
Internal BoS Members - joined offline		
5	Dr. K. Sreelakshmi	[Signature]
6	Dr. G. Sadashivappa	[Signature]
7	Prof. P. Nagaraju	[Signature]
8	Dr. Shanthi P	[Signature]
9	Dr. Ranjani G	[Signature]
Invitee Members - joined offline		
10	Dr. K Nagamani	[Signature]
11	Dr. B Roja Reddy	[Signature]
12	Dr. Bhagya R	[Signature]
13	Dr. K Saraswathi	[Signature]
Invitee Members - joined online		
14	Dr. H V Kumaraswamy	[Signature]
15	Prof. Usha padma	[Signature]
16	Prof. T.P.Mithun	[Signature]
17	Prof. Neethu sreekumaran	[Signature]
18	Prof. K Viswavardhan Reddy	[Signature]
19	Prof. Shambulinga. M	[Signature]
20	Prof. M.N. Mahalakshmi	[Signature]
21	Prof. Sandya H.B	[Signature]
22	Prof. Rakesh K.R	[Signature]

Sreelakshmi

Dr. K Sreelakshmi

BoS Chairman

Professor & HOD

Professor & Head

Dept. of Electronics and
Telecommunication Engg.
RV College of Engineering
Bengaluru-560 059



Feed Back from the stakeholders for the academic year 2022-23

The feedback given by stakeholders

Stake holders	Feedback	Action Taken
Alumina	To provide licenses for upcoming soft wares that are needed for learning and research purposes.	Tools like Lab-view, System Vue, Qualnet, Opti-sim, ADS, HFSS has been renewed annually for conducting lab as well as for research work.
Student	<ol style="list-style-type: none">1. Hands on Session to be done in the industry collaborated labs.2. More emphasis needs to be given for project-based learning3. Industry talks and Industry visit has to be arranged4. Hands on Session to be done in the industry collaborated labs.	<ol style="list-style-type: none">1. The specific skill and knowledge are enhanced in Experiential Learning (EL) & internship minor and major projects.2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce3. More emphasis is given for EL and open-ended experiments by using current industry tools.4. More open ended experiments are added in practical's.

Sreelakshmi

Prof. & Head

Professor & Head
Dept. of Electronics and
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As indicated above, based on the feedback of stakeholders, the following new courses were suggested to be included in the 2022 M.Tech (Digital Communications) Scheme and Syllabus revision. Curricular revisions were discussed in the Board of Studies meetings and the new courses suggested with changes in the syllabus compared to 2018 scheme are added and the same is reflected in the revised curricula with the course codes.

Sl. No.	Title of the new course added	Course code	Scheme in which the new course is added
1	Object Oriented Programming and Machine Learning Laboratory	MDC401L	2022
2	Mobile Adhoc Networks	MDC301A1	2022
3	Image Processing and Computer Vision	MDC301A3	2022
4	Artificial Intelligence and Deep Learning	MDC301B1	2022
5	Data Structures and Algorithms	MDC301B2	2022
6	Antennas & RF Laboratory	MDC431L	2022
7	RF and Microwave Circuit Design for Wireless Communication Systems	MDC331C1	2022
8	Vehicular Communications and Networks	MDC331C2	2022
9	Software Defined Networks in Telecom Industry	MDC331C3	2022
10	Robotics and Industrial Automation	MVE333C3	2022
11	Advanced 5G	MCS331C4	2022
12	Tracking and Navigation Systems	MET331G	2022
13	Advanced Wireless Systems	MDC361T	2022
14	Adaptive Signal Processing	MDC362D1	2022
15	Professional Skills Development-II	MHS191	2022

Sreelakshmi
Prof. & Head

Professor & Head
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invitation to 27th BoS meeting at ETE Dept., RV College of Engineering, Bangalore

11 messages

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Mon, Jun 12, 2023 at 4:16 PM

To: debarati@gssst.iitkgp.ernet.in, "D.Sriram kumar" <srk@nitt.edu>, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, ladu@urisc.gov.in, Iven Jose Engineering ECE <iven@christuniversity.in>, am_vprakash@bit-bangalore.edu.in, vijay prakash <am_vprakash@yahoo.co.in>, Manjunatha Reddy <mreddyhv@cadence.com>, Mahesh V <maheshvbgl@gmail.com>

Dear Sir / Madam,

Department of Electronics and Telecommunication Engineering, RV College of Engineering, Bangalore, is in the process of revising BE curriculum from the academic year 2022-23. In view of this, the 27th BoS meeting is convened in **BLENDED MODE (CISCO WEBEX PLATFORM)** on **21st June 2023, between 2.30 to 4.30 pm**. I invite you cordially to attend the BoS meeting either in ONLINE or OFFLINE mode and give your valuable inputs.

please find attached the letter of invite.

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-68188213/14

 **letter of invite.pdf**
262K

Mahesh V <maheshvbgl@gmail.com>

Tue, Jun 13, 2023 at 12:02 PM

To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Dear Madam,
Thanks for the invite to the BoS meeting on 21 June. I will attend the meeting ONLINE.
Regards
Mahesh.V

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Tue, Jun 13, 2023 at 12:25 PM

To: Mahesh V <maheshvbgl@gmail.com>

thank you sir
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore

Ph: 9845530311
Off:080-68188213/14

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Debarati Sen <debarati@gssst.iitkgp.ac.in> Tue, Jun 13, 2023 at 2:22 PM
Reply-To: debarati@gssst.iitkgp.ernet.in
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
Cc: "D.Sriram kumar" <srk@nitt.edu>, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, ladu@urisc.gov.in, Iven Jose Engineering ECE <iven@christuniversity.in>, am vprakash <am_vprakash@bit-bangalore.edu.in>, vijay prakash <am_vprakash@yahoo.co.in>, Manjunatha Reddy <mreddyvh@cadence.com>, Mahesh V <maheshvbgl@gmail.com>

Dear Dr. Sreelakshmi

I have PRSG meeting at DRDL, Hyderabad on 21-06-2023 offline. I am sorry to say that I won't be available (online/offline) this time for the BoS meeting. However, if you send the MoM, I will give my suggestions/comments.

Regards
Debarati

Dr. Debarati Sen
Associate Professor
G.S.Sanyal School of Telecommunications
Co-ordinating Warden (Allotment), HMC
Indian Institute of Technology Kharagpur
West Bengal - 721302
India
Phone: +91 3222 283908 (O)
E-mail: debarati@gssst.iitkgp.ac.in
Website: <http://www.iitkgp.ac.in/departments/GS/faculty/gs-debarati>

From: "TELECOMMUNICATION ENGINEERING RVCE" <hod.tc@rvce.edu.in>
To: "debarati" <debarati@gssst.iitkgp.ernet.in>, "D.Sriram kumar" <srk@nitt.edu>, "Laxminidhi T." <laxminidhi_t@nitk.edu.in>, ladu@urisc.gov.in, "Iven Jose Engineering ECE" <iven@christuniversity.in>, "am vprakash" <am_vprakash@bit-bangalore.edu.in>, "vijay prakash" <am_vprakash@yahoo.co.in>, "Manjunatha Reddy" <mreddyvh@cadence.com>, "Mahesh V" <maheshvbgl@gmail.com>
Sent: Monday, June 12, 2023 4:16:32 PM
Subject: invitation to 27th BoS meeting at ETE Dept., RV College of Engineering, Bangalore

[Quoted text hidden]

D.Sriram kumar <srk@nitt.edu> Tue, Jun 13, 2023 at 3:04 PM
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Noted Prof.

Yes. I shall attend (online).

Pl. alert me on 21/6 FN.

Sriram
NIT

Trichy

[Quoted text hidden]

--

D.Sriram Kumar,Ph.D
Professor
Department of ECE
National Institute of Technology
Tiruchirappalli- 620 015.
Tamil Nadu
India.
Mob: 94434 94495
Ph. 0431 2503311

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: debarati@gssst.iitkgp.ernet.in

Tue, Jun 13, 2023 at 3:36 PM

Ok madam.
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-68188213/14

[Quoted text hidden]

TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "D.Sriram kumar" <srk@nitt.edu>

Tue, Jun 13, 2023 at 3:37 PM

yes sir
I will do.
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-68188213/14

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Dr. Vijaya Prakash A Marigowda <am_vprakash@bit-bangalore.edu.in>
To: TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

Wed, Jun 14, 2023 at 9:46 AM

Dear Professor

Thanks for the invitation, I am hereby acknowledging my availability for the BOS meeting.

Thanks and regards

Dr. Vijaya Prakash A M

Dean Research and Development
Professor and Coordinators for PG Studies
Department of Electronics and Communication Engineering
Bangalore Institute of Technology

e-mail: am_vprakash@bit-bangalore.edu.in / am_vprakash@yahoo.co.in
Phone: 080-26613237 Mobile: +91 9844658446

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TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: "Dr. Vijaya Prakash A Marigowda" <am_vprakash@bit-bangalore.edu.in>

Wed, Jun 14, 2023 at 10:02 AM

thank you sir
With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-68188213/14

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TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>
To: Ranjani G <ranjanig@rvce.edu.in>

Mon, Feb 5, 2024 at 10:06 AM

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
Off:080-68188213/14

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

From: **TELECOMMUNICATION ENGINEERING RVCE** <hod.tc@rvce.edu.in>
Date: Mon, Jun 12, 2023 at 4:16 PM
Subject: invitation to 27th BoS meeting at ETE Dept., RV College of Engineering, Bangalore

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[Quoted text hidden]



TELECOMMUNICATION ENGINEERING RVCE <hod.tc@rvce.edu.in>

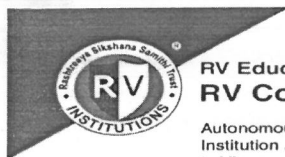
Mon, Feb 5, 2024 at 10:06 AM

To: Ranjani G <ranjanig@rvce.edu.in>

With Thanks and Regards

Dr. K. Sreelakshmi
Professor and HoD
Dept.of Telecommunication Engg.
RVCE, Bangalore
Ph: 9845530311
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Date: 21-06-2023

Minutes of Meeting

Minutes of 27th BoS meeting held on 21-06-2023 (Wednesday), 2 pm at Seminar Hall, Electronics & Telecommunication Engineering Department, RVCE.

The meeting started with a warm welcome from BoS Chairman to all BoS Members & Invitees. BoS chairman started with prelude about the Electronics & Telecommunication Engineering dept.

Agenda:

- To read and record the minutes and action taken report of 26th BoS Meeting held on 26/11/2022.
 - To discuss the Scheme of teaching and detailed syllabus of III and IV semester of 2022 scheme UG.
 - To discuss the Scheme of teaching and detailed syllabus of V and VI semester of 2021 scheme UG.
 - Any other points.
 - Action taken on the feedback by the stake holders was discussed.
- Following are the deliberations of the meeting:

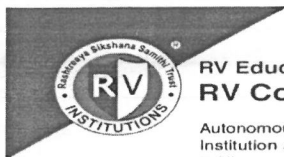
1. The meeting started with Introduction about the department, Vision & Mission, Program outcomes and curriculum design process.
2. Minutes and action taken report of 26th BoS Meeting, which was held on 26/11/2022 was read and members appreciated the action taken.
3. Comparison between 2018, 2021 & 2022 scheme of UG in terms of credits.

Course Component	Credits (2018)	Credits (2021)	Credits (2022)
Humanities & Social Science	9	11	12
Basic Science	26	23	23
Engineering Science	20	20	22
Professional Cores (PC)	72	67	61
Professional Electives	16	13	12
Other Electives & AEC	09	05*	12*
Project Work / Internship	23	21	18
Total credits	175	160	160



Following were the suggestions given by the BoS members

Following were the suggestions given by the BoS members				
Sl. No.	Course code	Course Title	Suggestions given by the BoS members	Action Taken
1.	Overall credit structure			
2022 Scheme-III Semester				
2.	22MA31 A/B/C/D*	Engineering Maths- III	Mr. Mahesh V suggested Examples from Galois fields shall be included as a topic in Linear Algebra	
3.	22CV32	Environment & Sustainability	--	
4.	22EE33	Linear Integrated Circuits and Applications	Dr. Laxminidhi opined that without prior knowledge on control systems ,the course will be heavy for the students He also sought clarification regarding the credits and hours for lab session	Chairman clarified it as 1 credit and 2 hours for practical sessions
5.	22EC34	Analysis and Design of Digital Circuits	--	
6.	22ET35A	Signal Processing-I	Dr. Sriram kumar suggested including prerequisites needed for the course. Dr. Vijayprakash suggested to modify the topics in Z transform as there is an overlap with the III	Chairman clarified that prerequisites are included in lesson plan. Chairman clarified the duration of exam is 2 hours, since the course is of 2 credits,



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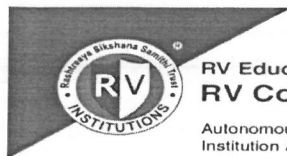
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			semester Maths course and questioned about the exam duration	Also she said the overlap in contents would be checked
			Mr. Ramesh Naidu suggested to add FFT	Chairman clarified that the topic will be added in Signal processing-II
			Dr. G Sadashivappa opined that there is a gap between signal processing-I (III semester) and Signal processing-II (5 th semester) and thus the latter should be in IV semester.	Chairman agreed to have an internal meeting and check for the feasibility
7.	22ET35B	Circuit Analysis	Dr. Laxminidhi suggested to correct the course objectives and outcomes as both seem much similar	Chairman requested the faculty concerned to correct the same and place them in internal BoS meeting for approval
			Dr. Sriram kumar suggested adding control systems and advanced topics of circuit analysis in higher semesters	Chairman agreed to provide them as MOOCs courses.
8.	22DCS36	Bridge Course: C Programming	Dr Laxminidhi suggested to offer this course in IV semester	Chairman explained that it is an operational step to facilitate Maths department to cater to all students of the institution
9.	22HSAE39 A/B/C/D/E	Ability Enhancement course	--	



10.	22ETI310	Summer Internship- I	Mr. Ramesh Naidu expressed his view that students would have very less fundamental knowledge to take up industry internship	Chairman clarified that the internship I would generally be offered through the CoEs and CoCs in the institution.
2022 Scheme-IV Semester				
11.	22MA41	Applied Mathematics – IV	--	
12.	22ME42	Materials Science for Engineers	Mr. Ramesh Naidu and Dr. Lakshminidhi appreciated the inclusion of heat treatment in unit IV and expressed it as very relevant to EE cluster	
			Dr G Sadashivappa pointed out the credit mismatch in the scheme and content	Chairman requested Faculty concerned to correct the same
			Mr. Mahaseh V Suggested to add topics on metamaterials	
13.	22EI43	Advanced Microcontroller	Chairman sought permission to shuffle the flow to match the textbook	Dr Sriram Kumar and all other members present agreed to it
14.	22ET44	Communication Engineering - I	Dr. Vijay prakash suggested change in few topics of random process to avoid	Chairman said the overlap in contents would be checked



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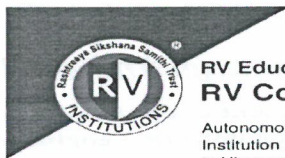
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			overlap with IV semester Maths course	
			Dr. G Sadashivappa opined that this course shall be added to V semester While, Dr Sriram kumar and Dr. Laxminidhi agreed for it, Mr. Ramesh Naidu felt the course relevant in IV semester	Chairman agreed to have an internal meeting and check for the feasibility
15.	22ET45	Principles of Electromagnetic s	--	
16.	22ET45AX	NPTEL courses -July cycle	Dr Laxminidhi queried on grading scheme	Chairman and Dr. G Sadashivappa, CoE, clarified it as absolute grading
17.	22DMA47***	Bridge Course: Mathematics	Dr Laxminidhi suggested to offer this course in III semester	Chairman explained that it is for operational ease to facilitate Maths department to cater to all students
18.	22HSU48	Universal Human Values	--	
2021 Scheme-V Semester				
19.	21HS51	IPRE/FOME (Mandatory Courses)	--	
20.	21ET52	Communication Engineering-II (Theory & Practice)	Dr. Laxminidhi suggested to reframe the channel coding topics covering the domain in depth	



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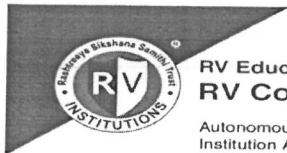
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			Dr. Vijay Prakash suggested to provide all digital communication concepts here and a separate course for channel coding techniques	
21.	21ET53	Signal Processing II (Theory & Practice)	Dr. Sriram kumar appreciated the contents	
22.	21ET54	Professional Core Course 3 (Dept Elective)	Dr. Laxminidhi asked if it is elective or core, suggested to change the course group title to 'Elective'	Chairman said it is elective common to Electrical Engineering cluster
23.	21ET54A	Machine Learning (Dept Elective)	--	
24.	21ET54B	Digital VLSI Circuits (Dept Elective)	Dr. Vijay Prakash suggested moving Unit V topics to first part of II unit	Dr. Premananda accepted and changed
25.	21ET54C	Operating Systems (Dept Elective)	--	
26.	21ET54D	Digital Telephony (Dept Elective)	--	
27.	21ET54E	Image and Video Processing (Dept Elective)	Dr. Vijay prakash opined that image processing basics are redundant	Prof. P. Nagaraju justified that the course flow is same with the reference text book.
			Dr. G Sadashivappa suggested including H.266 standard	Prof. P. Nagaraju justified that the course is cluster elective offered to other departments in EE cluster.



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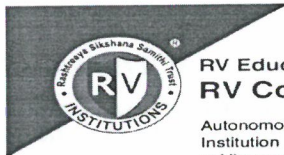
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				Hence this advanced topic is not included here
28.	21ET55	Professional Core Course 4 (Cluster Elective)		
29.	21ET55A	Introduction to Embedded System Design (Cluster Elective)		
30.	21ET55B	Fundamentals of semiconductor devices (Cluster Elective)		
31.	21ET55C	Control engineering (Cluster Elective)		
32.	21ET55D	Advanced Computer Architecture (Cluster Elective)		
33.	21ET55E	The Joy of Computing using Python (Cluster Elective)		
34.	21G5ET	Open elective course 1 (Global elective)		
35.	21G5ETA	Telecommunication systems (Global elective)		
36.	21G5ETB	WSN for IoT Applications (Global elective)		
37.	21XXI56	Summer Internship-II		
2021 Scheme-V Semester				



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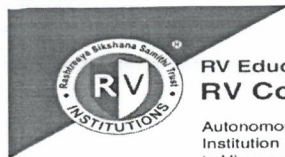
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38.	21HS61	IPRE/FOME (Mandatory Courses)		
39.	21ET62	RF Circuit Design (Theory & Practice)	Dr. Sriram Kumar and Mr. Ramesh Naidu opined the contents are too heavy and suggested keeping qualitative study only	Course faculty agreed to change the title
			Dr. G Sadashivappa suggested changing course nomenclature as the contents are not included with circuit design	
40.	21ET63	Advanced Computer Networks (Theory & Practice)	BoS members suggested changing nomenclature to computer communication networks	
41.	21ET64	Professional Core Course 3 (Dept Elective)	--	
42.	21ET64A	Application-Specific Integrated Circuits (Dept Elective)	--	
43.	21ET64B	Modern Antennas (Dept Elective)	Dr. Sriram kumar suggested changing unit 1 title to review of antenna basics	
44.	21ET64C	Multimedia Communication (Dept Elective)	--	
45.	21ET64D	MIMO Systems (Dept Elective)	BoS members suggested Shifting the course to VII semester	
46.	21ET64E	Sensor signal processing (Dept Elective)	--	



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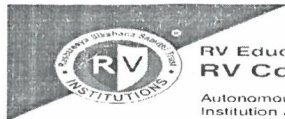
48.	21ET65A	Applications of signal processing (Cluster Elective)		
49.	21ET65B	Satellite Communication (Cluster Elective)		
50.	21G6ET	Open elective course 1 (Global elective)		
51.	21G6ETA	Satellite Navigation and Tracking (Global Elective)		
Other points				
1.	Chairman sought permission from members for inclusion of industry associated elective ADVANCED 5G (22MCS2C4T) in II semester M.Tech 2022 Scheme			
2.	Chairman also sought permission to change the course name of the professional core course "5G and beyond (22MDC31T)" in the III Semester PG in 2022 version scheme to "Advanced Wireless systems" , to avoid redundancy in course titles of the above mentioned industry associated elective course			

Meeting concluded with thanks to all the members

Members Present in meeting:

External BoS Members - joined online		Signature
1	Dr. Vijaya Prakash A. M.	Present Online
2	Dr. D. Sriram Kumar	Present Online
3	Mr. Mahesh V	Present Online
4	Dr. Laxminidhi	Present Online
5	Mr. Ramesh Naidu	Present Online
Internal BoS Members - joined offline		
6	Dr. K. Sreelakshmi	<i>Sreelakshmi</i>

Sreelakshmi.k
Dr. K Sreelakshmi 24/8/23
BoS Chairman
Professor & HOD
Professor & Head
Dept. of Electronics and
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Date: 21/06/2023

Attendance sheet for 27th BoS Meeting of Electronics & Telecommunication
Engineering Department.

Venue: ET Seminar Hall

	Staff Initial	Signature
1	Dr. GS	
2	Dr. HVK	
3	Dr. NK	Nay
4	Dr. PN	online
5	Dr. RB	
6	Dr. BRR	Re-
7	Dr. PBS	online
8	Dr. SK	-
9	Dr. SAP	
10	UP	curba
11	TPM	Leave
12	Dr. GR	
13	NSK	
14	PKB	Study Leave
15	Dr. KVR	
16	SM	
17	NNN	Study Leave
18	MNM	Leave
19	HS	—
20	RKR	—
21		



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Feed Back from the stakeholders for the academic year 2023-24

The feedback given by stakeholders

Stake holders	Feedback	Action Taken
Alumina	To provide licenses for upcoming soft wares that are needed for learning and research purposes.	Tools like Lab-view, System Vue, Qualnet, Opti-sim, ADS, HFSS has been renewed annually for conducting lab as well as for research work.
Student	<ol style="list-style-type: none"> 1. Hands on Session to be done in the industry collaborated labs. 2. More emphasis needs to be given for project-based learning 3. Industry talks and Industry visit has to be arranged 4. Hands on Session to be done in the industry collaborated labs. 	<ol style="list-style-type: none"> 1. The specific skill and knowledge are enhanced in Experiential Learning (EL) & internship minor and major projects. 2. A curriculum that incorporates industry-standard tools and practical applications will better prepare students for the workforce 3. More emphasis is given for EL and open-ended experiments by using current industry tools. 4. More open ended experiments are added in practical's.

Sreelakshmi

Prof. & Head

Professor & Head
Dept. of Electronics and
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As indicated above, based on the feedback of stakeholders, the following new courses were suggested to be included in the 2021 B.E (Electronics & Telecommunication Engineering) Scheme and Syllabus revision. Curricular revisions were discussed in the Board of Studies meetings and the new courses suggested with changes in the syllabus compared to 2018 scheme are added and the same is reflected in the revised curricula with the course codes.

Sl. No.	Title of the new course added	Course code	Scheme in which the new course is added
1	Machine learning	21ET55B1	2021
2	Digital VLSI circuits	21ET55B4	2021
3	VLSI physical design	21ET64D2	2021
4	WSN for IOT applications	21ET64D3	2021
5	EMI, EMC and Signal Integrity	21ET64D5	2021
6	Smart Antennas	21ET65E1	2021


Prof. & Head

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