



sasi INSTITUTE OF
autonomous TECHNOLOGY &
ENGINEERING

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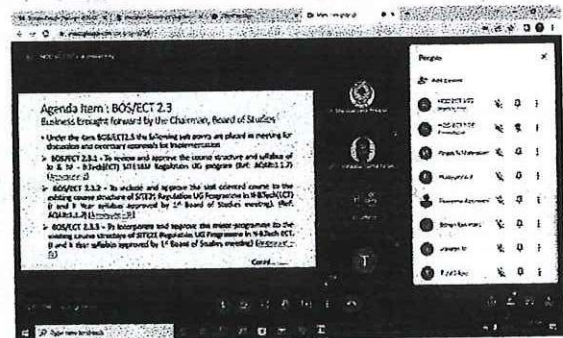
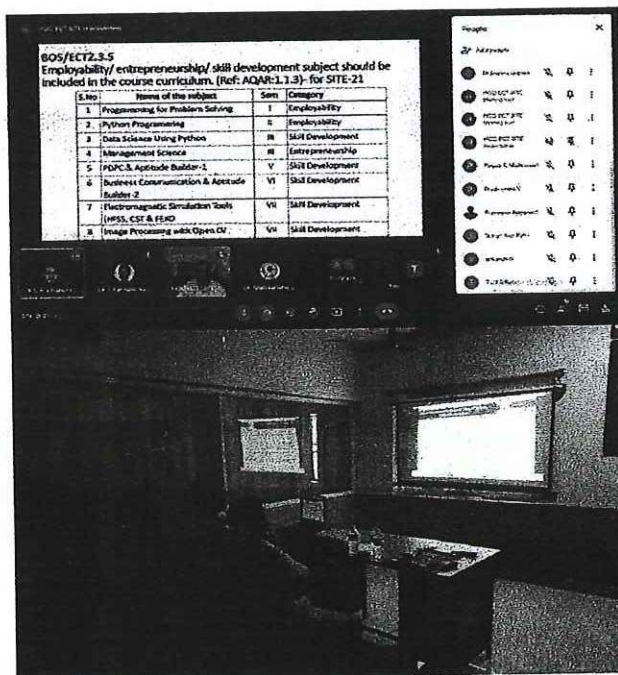
Date:23-8-2022

Minutes of the meeting of the 2nd BoS held on 18th August 2022 in R & D lab 3rd floor ECE department of SITE

The 2nd Board of Studies of Electronics and Communication Technology meeting, Sasi Institute of Technology & Engineering is convened to be held on **18th August 2022 (Thursday)** from **10.00 a.m. onwards** "R&D Lab Third Floor, Armstrong Block" of SITE, Tadepalligudem, W.G District, AP.

The members of the BoS are to attend the meeting through online mode (External members) and offline mode (internal members)

Google Meet Link : <https://meet.google.com/srx-grzy-yji>



The meeting began with the welcome address by the BoS chairman, ECT department, Sasi Institute of Technology & Engineering

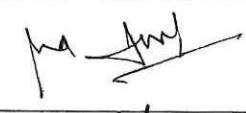
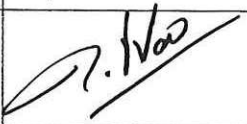

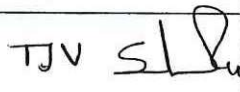


The BoS chairman has introduced the external members Dr. A. M Prasad, Professor of ECE, UCEK, JNTUK, Kakinada, Dr. P.Srihari Rao, Professor, Department of ECE, NIT, Warangal, Dr. U.Eranna, Professor, Department of ECE, Bellary Institute of Technology and Management, Bellary, Sri. S.Adishesu, Scientist/Engineer-SC, ISRO, Bangalore and all the BOS members.

Based on agenda the following resolution have been taken in second BoS

Agenda items





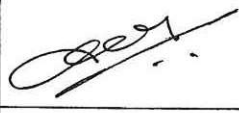

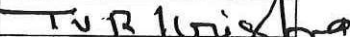
BOS/ECT 2.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Electronics and Communication Technology	
Resolution		Chairman greeted all the members and got the approval for proceeding for the next agenda Point for discussion.	
BOS/ECT 2.2	:	Confirmation of the Minutes of the 1 st meeting of Board of Studies in the department of Electronics and Communication Technology held on June 26, 2021 and Action taken report of 1 st meeting of Board of Studies (Annexure – I) and (Annexure –A)	
Resolution		Chairman addressed about the Minutes of the 1 st meeting and necessary suggestion made was incorporated in the SITE18M Syllabus of II B.Tech. All the BoS members of the meeting reviewed the same and approved to move for the next point of Agenda.	
BOS/ECT 2.3	:		
		BOS/ECT 2.3.1	To review and approve the course structure and syllabus of III& IV B.Tech (ECT) SITE18M Regulation UG program (Ref: AQAR:1.1.2) (Annexure –II)
		Resolution	Members discussed about the course structure and verified the contents there in. Dr. P Srihari Rao Suggested to include Satellite Communication text books for the course of Radar and Satellite Communications in VII Semester (Professional Elective V). After reviewing the structure of the course and contents there in .It resolved to approve by all the BoS members of above agenda item and asked to proceed further.
		BOS/ECT 2.3.2	To include and approve the skill oriented course to the existing course structure of SITE21 Regulation UG Programme in II.B.Tech ECT. (I and II Year syllabus approved by 1 st Board of Studies meeting). (Ref: AQAR:1.1.2) (Annexure –III)
		Resolution	All BOS members approved the proposed Skill Oriented Courses without any amendments.
		BOS/ECT 2.3.3	To incorporate and approve the minor programme to the existing course structure of SITE21 Regulation UG Programme in II.B.Tech ECT. (I and II Year syllabus approved by 1 st Board of Studies meeting) (Annexure –IV)

BOS members of ECT

Sl.No.	Name of BoS Member	Designation	Signature
1	Dr. Ismal Mohammed	Principal Mobile No.: 8217855759 E-mail: prof.ismail@sasi.ac.in	
2	Dr.D.Prasad	Professor &HOD, Dept. of ECT Mobile No:9703152444 E-mail: dprasad@sasi.ac.in	
3	Mr.N.Srikanth	Asst.Professor, Department of ECT, Mobile No:9885386971 E-mail: srikanthn@sasi.ac.in	
4	Dr.P.Srihari Rao	Professor, Department of ECE, NIT, Warangal, Telangana Mobile No: 9441342324 E-mail: patri@nitw.ac.in	
5	Dr.U.Eranna,	Professor, Department of ECE, Bellari Institute of Technology and Management, Bellary, karnataka Mobile No: 9036999709 E-Mail : jaya88veer@gmail.com	
6	Dr. A. M Prasad, Professor of ECE	Professor of ECE, UCEK, JNTUK, Kakinada Mobile No.: 9441564840 E-mail: a_malli65@yahoo.com	
7	Sri.S.Adishesu	Scientist/Engineer-SC, ISRO, Bangalore Mobile No.: 8985674203 E-mail:: adishesu@istrac.gov.in	
8	Dr.T.j.V.Subrahmanyeswara Rao	Professor of ECE & Dean Student Affairs Mobile No.: 9491174001 E-mail: tjvsrao@sasi.ac.in	
9	Dr.G.Naveen Kishore	Associate Professor of ECE & PAC Chairman -PG Mobile No.: 9885753510 E-mail: drnaveen@sasi.ac.in	
10	Dr.N.Krishna Chaitanya	Associate Professor of ECE & Dean R&D	

	Resolution	Suggested to increase the number of lecture hours to 64 as the minor courses are carrying 4 credits. Suggested to change the minor courses as the proposed courses are similar to ECE. Resolved to approve by all the BoS members of above agenda item
	BOS/ECT 2.3.4	To incorporate and approve the Honor programme to the existing course structure of SITE21 Regulation UG Programme in II B.Tech ECT. (I and II Year syllabus approved by 1 st Board of Studies meeting) (Annexure -V)
	Resolution	Suggested by Dr P Srihari to increase the number of lecture hours to 64 as the Honor courses are carrying 4 credits. Approved the suggestions made by member Dr.P. Srihari Resolved to approve the all the BoS members of above agenda item
	BOS/ECT 2.3.5	Employability/entrepreneurship/ skill development subject should be included in the course curriculum. (Ref: AQAR:1.1.3)
	Resolutions	<i>All the members unanimously approved to include the Employability/entrepreneurship/ skill development subjects .Accordingly it will be included.</i>
	BOS/ECT 2.3.6	Institute ensure that the curriculum bears some thrust on National Development
	Resolutions	Based on the member's suggestions the same will be incorporated and copy will be sent to the members accordingly.
BOS/ECT 2.4	:	Suggestions given by the BOS Members
Resolution		1. All BoS members suggested to include Standard Text books and Reference boops for every subject mentioned in Course Structure.
BOS/ECT 2.5	:	Any other items
Resolution		Under any other item as mentioned, The BoS members Suggested to encourage the students to participate in-various events outside the State

At the end Board Chairman addressed all the members and extended the regards for their valuable suggestions and remarks and meeting is ended with vote of thanks.

		Mobile No.: 9491971159 E-mail: krishna@sasi.ac.in	
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12	V.Pradyumna	Asst.Professor Department of ECE Mobile No.:8074933379 E-mail: Pradyumna@sasi.ac.in	
13	Dr.A.Praveena	Asst.Professor Department of AS&H Mobile No.:9490291134 E-mail: bkusuma@sasi.ac.in	
14	B.Kusuma	Asst.Professor Department of MS Mobile No.:9951693757 E-mail: bkusuma@sasi.ac.in	
15	Ch.Pavan kumar	Asst.Professor, Department of ECE, Mobile No.:9951855792 E-mail: leelapavan@sasi.ac.in	
16	Mr. M Narendra Krishna	Vice-President	
17	Dr.K.Bhanu Prasad	Director	
18	Dr.T.V.Rama Krishna	Dean-Academics	



Signature of the BoS Chairman

CC To

Mail & Hard copy to: Hon'ble Chairman, SITE

Mail & Hard copy to: Hon'ble Vice-Chairman, SITE

Mail & Hard copy to: All BoS Members

Mail & Hard copy to: PA to Principal

Mail & Hard copy to: Director, SITE

Mail & Hard copy to: Dr. T V Rama Krishna, Dean Academics

Mail copy to: HoDs.. CE/ME/CSE/IT/CST/ECE/ECT/EEE/ AS&H /MS/AI & ML

Mail to: Exam. Section/Automation/Central Library/IQAC/AO/

Mail to: All faculty members

























































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Information

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-  **Chodiseti L S S Pav...**   
-  **Dr. Krishna Chaitan...**   
-  **Dr. Mallikarjuna Pra...**   
-  **Dr. Mallikarjuna Pra...**   
-  **Dr. T Venkata Rama ...**   
-  **Dr.Eranna uppara**   
-  **Pinjala N Malleswari**   
-  **Pradyumna V**   
-  **Praveena Appasani**   
-  **Sannajaji Naradaneni**   
-  **Srihari Rao Patri**   
-  **srikanth N**   

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BOS/ECT2.3.5
Employability/ entrepreneurship/ skill development subject should be included in the course curriculum. (Ref: AQAR:1.1.3)- for SITE-21

S.No	Name of the subject	Sem	Category
1	Programming for Problem Solving	I	Employability
2	Python Programming	II	Employability
3	Data Science Using Python	III	Skill Development
4	Management Science	III	Entrepreneurship
5	PDPC & Aptitude Builder-1	V	Skill Development
6	Business Communication & Aptitude Builder-2	VI	Skill Development
7	Electromagnetic Simulation Tools (HFSS, CST & FEKO)	VII	Skill Development
8	Image Processing with Open CV	VII	Skill Development

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- P Pradyumna V
- P Praveena Appasani
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- S srinanth N
- T T JVS Rao

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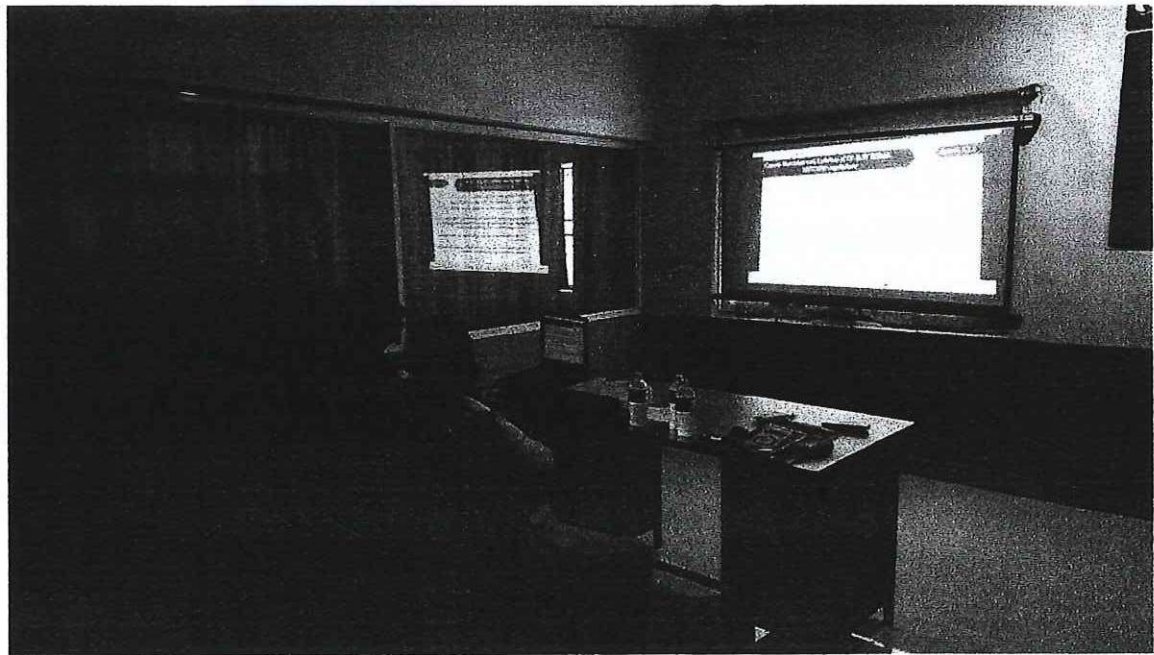
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Table 1

Introduction to Radar

Introduction to radar, Radar Mode, Operation and operation. Radar frequencies, Applications of radar. Prediction of range performance. Minimum detectable signal, Receiver noise, Probability density function, SNR, Integrator of radar pulses, Radar cross-section of targets, PRF and range resolution, Non-coherent power, System losses.

Table 2

Radar Technology

Doppler effect, CW radar, 134 CW radar, multiple frequency CW radar, MTI radar, Delay line canceller, Range gated MTI radar, Blind speeds, Non-coherent MTI radar, Tracking radar, sequential lobing, conical scan, Monopulse, amplitude comparison and phase comparison methods, Radar antennas, Radar display.

Table 3

Introduction to Satellite Communication

Orbital aspects of satellite communication. Introduction to geosynchronous and geostationary satellites, Kepler's laws, locating the

Dr. CRS Hanuman

Dr. T Vankata Rama Krish...

11 others

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Table 2

Understand various RADAR technologies and concepts of radar tracking

1. Use of the communication satellite multiplex and Kepler's laws

4. Analyze various orbital parameters and orbital effects

5. Explain AMCN and various types of access techniques

6. Analyze satellite link design and calculate C/N

Test Books:

- Merril E. Skolnik, "Introduction to Radar Systems", 2nd ed, MGH, 1981.
- Mark A. Richards, James A. Scheer and William A. Holm, "Principles of Modern Radar: Basic Principles", YoeDot Publishing Pvt. Ltd., India, 2012.

Reference Books:

- Sponsoo Eds., "Radar: Principles, Technology, Applications", Pearson, 2006.
- Leonid Prid and Charles Beaman, "Satellite Communications", John Wiley, 1996.
- Demetri Roddy, "Satellite Communications", McGraw Hill, India, 4th edition, 2012.

Srihari Rao Patri

Dr. T Vankata Rama Krish...

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Agenda Item : BOS/ECT 2.3
 Business brought forward by the Chairman, Board of Studies

- Under the item BOS/ECT2.3 the following sub points are placed in meeting for discussion and necessary approvals for implementation
- BOS/ECT 2.3.1 - To review and approve the course structure and syllabus of III & IV - B.Tech(ECT) SITE18M Regulation UG program (Ref: AQAR:1.1.2) (Annexure-2)
- BOS/ECT 2.3.2 - To include and approve the skill oriented course to the existing course structure of SITE21 Regulation UG Programme in II-B.Tech(ECT) (I and II Year syllabus approved by 1st Board of Studies meeting). (Ref: AQAR:1.1.2) (Annexure -III)
- BOS/ECT 2.3.3 - To incorporate and approve the minor programme to the existing course structure of SITE21 Regulation UG Programme in II-B.Tech ECT. (I and II Year syllabus approved by 1st Board of Studies meeting) (Annexure - IV)

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- Pradyumna V
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- Srinari Rao Patri
- srinanth N
- T J V S Rao

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Agenda Item : BOS/ECT 2.4

- Suggestions given by the BOS Members

Dr. C. R. S. Hanuman



12 others

You

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- HOD ECT SITE Meeting host
- HOD ECT SITE Presenter(s)
- Pirjaja N. Malleswari
- Pradumna V
- Praveena Appasani
- Srinani Rad. Patni

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