



# SREE VAHINI INSTITUTE OF SCIENCE AND TECHNOLOGY

( AN AUTONOMOUS INSTITUTION )

(Approved by AICTE & Govt. of A.P., Affiliated to JNTU Kakinada)

Accredited by NAAC with "A" Grade, An ISO 9001:2015 Certified Institution

Sri Vahini Nagar, NH-30 TIRUVURU, PIN: 521 235. NTR Dist. A.P. India.

## DEPARTMENT OF ENGLISH

### MINUTES OF 1<sup>st</sup> BOARD OF STUDIES MEETING

Virtual Mode, Date: 07-10-2023 @ 3pm

The board of studies meeting was held on 7<sup>th</sup> October ,2023 in the Department of English to discuss the following points for R23 regulations of IB.Tech I Sem &II Sem based on the model syllabus given by AICTE & JNTUK

Detailed discussion on the following has been done .

- Implementation of Courses under R23 regulations
- Discussions on the allocation of Branches in Group –A & Group -B
- Course out comes & Mapping with PO statement along with justification
- Innovation teaching & Evaluation Techniques
- Implementation of curriculum as per NEP ( New education policy)
- Various steps to improve the skills & Knowledge of the students

### Group A Branches( CSE , CSE-DS )

#### 1<sup>st</sup> SEMESTER

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	CommunicativeEnglish	2	0	0	2
2	BS&H	Engineering Chemistry/Chemistry/FundamentalChemistry	3	0	0	3
3	BS&H	LinearAlgebra&Calculus	3	0	0	3
4	Engineering Science	Basic Civil & MechanicalEngine ering	3	0	0	3
5	Engineering Science	IntroductiontoProgramming	3	0	0	3
6	BS&H	CommunicativeEnglishLab	0	0	2	1
7	BS&H	Engineering Chemistry/Chemistry/FundamentalChemistryL ab	0	0	2	1
8	Engineering Science	EngineeringWorkshop	0	0	3	1.5
9	Engineering Science	ComputerProgrammingLab	0	0	3	1.5
10	BS&H	Healthandwellness, YogaandSports	-	-	1	0.5
<b>Total</b>			<b>14</b>	<b>00</b>	<b>11</b>	<b>19.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**Group B : Branches –ECE , AI ML , CIVIL , EEE , MECHANICAL**

**I SEMESTER**

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	EngineeringPhysics	3	0	0	3
2	BS&H	LinearAlgebra&Calculus	3	0	0	3
3	Engineering Science	Basic Electrical & ElectronicsEngineeri ng	3	0	0	3
4	Engineering Science	EngineeringGraphics	1	0	4	3
5	Engineering Science	IntroductiontoProgramming	3	0	0	3
6	Engineering Science	ITWorkshop	0	0	2	1
7	BS&H	EngineeringPhysicsLab	0	0	2	1
8	Engineering Science	Electrical & Electronics EngineeringWorkshop	0	0	3	1.5
9	Engineering Science	ComputerProgrammingLab	0	0	3	1.5
10	BS&H	NSS/NCC/Scouts& Guides/CommunityService	-	-	1	0.5
<b>Total</b>			<b>13</b>	<b>00</b>	<b>15</b>	<b>20.5</b>

**B.Tech.–I Year II Semester(for Group-A Branches CSE , CSD)**

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	EngineeringPhysics	3	0	0	3
2	BS & H	DifferentialEquations&VectorCalculus	3	0	0	3
3	Engineering Science	BasicElectricalandElectronicsEngineering	3	0	0	3
4	Engineering Science	EngineeringGraphics	1	0	4	3
5	Engineering Science	IT Workshop	0	0	2	1
6	Professional Core	Data Structures / Electrical Circuit Analysis – I(Branchspecific)	3	0	0	3
7	BS&H	EngineeringPhysics Lab	0	0	2	1
8	Engineering Science	ElectricalandElectronics EngineeringWorkshop	0	0	3	1.5
9	Professional Core	Data Structures Lab	0	0	3	1.5
10		NSS/NCC/Scouts&Guides/CommunityService	-	-	1	0.5
<b>Total</b>			<b>13</b>	<b>00</b>	<b>15</b>	<b>20.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**B.Tech.-I Year II Semester (for Group-B Branches ECE, AIML, CIVIL, EEE, MECHANICAL)**

S.No.	Category	Title	L	T	P	Credits
1	BS&H	Communicative English	2	0	0	2
2	BS & H	Engineering Chemistry / Chemistry Fundamentals Fundamental Chemistry	3	0	0	3
3	Engineering Science	Differential Equations & Vector Calculus	3	0	0	3
4	Engineering Science	Basic Civil & Mechanical Engineering	3	0	0	3
5	Professional Core	Network Analysis / Data Structures / Electrical Circuits-I / Engineering Mechanics / (Branch specific)	3	0	0	3
6	BS&H	Communicative English Lab	0	0	2	1
7	BS&H	Engineering Chemistry / Chemistry Fundamentals Fundamental Chemistry Lab	0	0	2	1
8	Engineering Science	Engineering Workshop	0	0	3	1.5
9	Professional Core	Network Analysis & Simulation Lab / Data Structures Lab / Electrical Circuits Lab / Engineering Mechanics / Mechanics & Building Practices Lab (Branch specific) Engineering	0	0	3	1.5
10		Health and Wellness, Yoga and Sports	-	-	1	0.5
<b>Total</b>			<b>14</b>	<b>00</b>	<b>11</b>	<b>19.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**A. The following items were also discussed and approved.**

Course structure for 1B.Tech -I Semester & II Semester courses of R-23 regulations.

Changes of Course Outcomes & Mapping with PO statement along with justification.

Theory & Laboratory courses of English

Detailed syllabus of I B.Tech I semester & II Semester along with outcomes of each course.

**B. The following are the courses proposed for B.Tech I & II Semesters, & M.B.A**

**B.Tech:**

- I & II Semester - Communicative English  
Communicative English Lab
- V Semester - Advanced English communication skills Lab
- I Semester - Business Communication & Soft skills  
Business Communication & Soft skills Lab

## Suggestions given by the experts during BOS-2023

### Subject : English

Board of studies for the academic year 2023-24 was conducted on 7<sup>th</sup> October ,2023. The meeting was chaired by HoD.BS&H. While all the members of faculty of English , participated along with subject experts in professor cadre from reputed institutions /universities .After clearly discussing each and every unit in each paper of English Mathematics , Physics and Chemistry (Theory and practical) ,the board has finalized the syllabi for new regulation (R23) with few suggestions .

The finalized papers are enclosed here with attested by the experts .

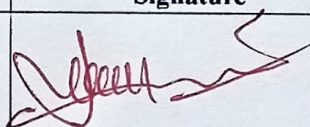
A few changes suggestions are made with by the University nominees and Subject experts (R23 regulations )

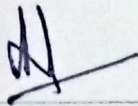

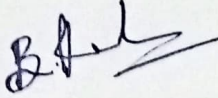
- ❖ ICT tools must be used
- ❖ Web-sources should be used as a part of day-to-day teaching
- 1. **In regarding English : No Changes .**
- 2. **Syllabus is approved**

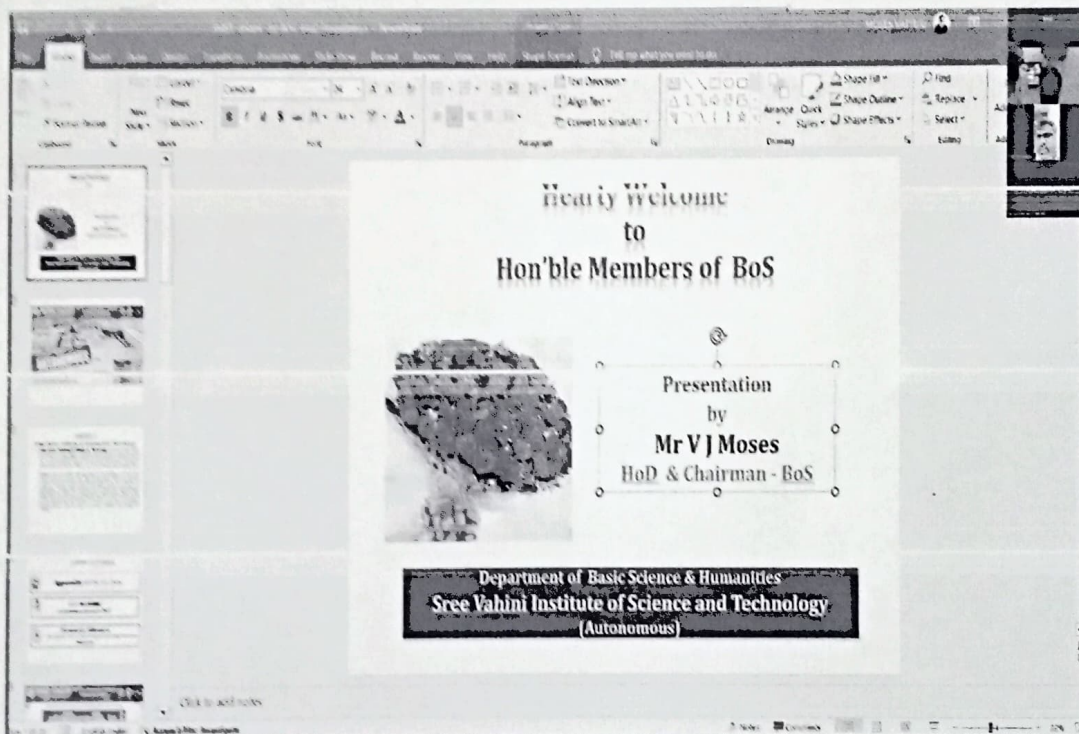
## Department of English

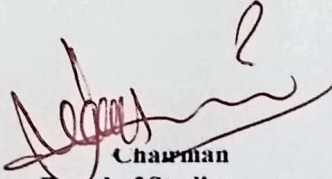
### Department Composition of Board of Studies:

The following members are drafted as internal members to Board of Studies for the Department of English

S.No	Name and Designation of Member	Signature
1	<b>Chairperson :</b> Mr. V J Moses , Assoc. Professor & HOD	
<b>UNIVERSITY NOMINEE</b>		
1	Prof Salmon Benny Professor Andhra University Visakhapatnam Mobile No :9948139333 Email Id : <a href="mailto:Drbenny.au@gmail.com">Drbenny.au@gmail.com</a>	Present (Online)
<b>SUBJECT EXPERT</b>		
1	Prof Prasanthi Sri Professor ,AKNU ,Rajamahendravaram. Andhra Pradesh Mobile :9848297555 , Email Id : <a href="mailto:Sathupathi.sri@gmail.com">Sathupathi.sri@gmail.com</a>	Present (Online)

FACULTY ( INTERNAL ) MEMBERS		
1	Mr. P Ramesh , Assoc. Professor	
2	Mr. B Madhu , Assoc. Professor	
3	Mr. B Ramesh, Asst. Professor	



  
**Chairman**  
**Board of Studies**

Head of the Dept. (B.Sc.)  
 Sree Vahini Institute of  
 Science & Technology  
 ru-521 235-Krishna D



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## DEPARTMENT OF MATHEMATICS

### MINUTES OF 1<sup>st</sup> BOARD OF STUDIES MEETING

Virtual Mode, Date: 07-10-2023 @ 3pm

The board of studies meeting was held on 7<sup>th</sup> October ,2023 in the Department of Mathematics to discuss the following points for R23 regulations of IB.Tech I Sem & II Sem based on the model syllabus given by AICTE & JNTUK

Detailed discussion on the following has been done .

- Implementation of Courses under R23 regulations
- Discussions on the allocation of Branches in Group –A & Group -B
- Course out comes & Mapping with PO statement along with justification
- Innovation teaching & Evaluation Techniques in Mathematics
- Implementation of curriculum as per NEP ( New education policy)
- Various steps to improve the skills & Knowledge of the students

### Group A Branches( CSE , CSE-DS )

#### 1<sup>st</sup> SEMESTER

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	CommunicativeEnglish	2	0	0	2
2	BS&H	Engineering Chemistry/Chemistry/FundamentalChemistr y	3	0	0	3
3	BS&H	LinearAlgebra&Calculus	3	0	0	3
4	Engineering Science	Basic Civil & MechanicalEngine ering	3	0	0	3
5	Engineering Science	IntroductiontoProgramming	3	0	0	3
6	BS&H	CommunicativeEnglishLab	0	0	2	1
7	BS&H	Engineering Chemistry/Chemistry/FundamentalChemistryL ab	0	0	2	1
8	Engineering Science	EngineeringWorkshop	0	0	3	1.5
9	Engineering Science	ComputerProgrammingLab	0	0	3	1.5
10	BS&H	Healthandwellness, YogaandSports	-	-	1	0.5
<b>Total</b>			<b>14</b>	<b>00</b>	<b>11</b>	<b>19.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**Group B : Branches –ECE , AI ML , CIVIL , EEE , MECHANICAL**

**I SEMESTER**

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	Engineering Physics	3	0	0	3
2	BS&H	Linear Algebra & Calculus	3	0	0	3
3	Engineering Science	Basic Electrical & Electronics Engineering	3	0	0	3
4	Engineering Science	Engineering Graphics	1	0	4	3
5	Engineering Science	Introduction to Programming	3	0	0	3
6	Engineering Science	IT Workshop	0	0	2	1
7	BS&H	Engineering Physics Lab	0	0	2	1
8	Engineering Science	Electrical & Electronics Engineering Workshop	0	0	3	1.5
9	Engineering Science	Computer Programming Lab	0	0	3	1.5
10	BS&H	NSS/NCC/Scouts & Guides/Community Service	-	-	1	0.5
<b>Total</b>			<b>13</b>	<b>00</b>	<b>15</b>	<b>20.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**B.Tech.–I Year II Semester (for Group-A Branches CSE , CSD)**

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	Engineering Physics	3	0	0	3
2	BS & H	Differential Equations & Vector Calculus	3	0	0	3
3	Engineering Science	Basic Electrical and Electronics Engineering	3	0	0	3
4	Engineering Science	Engineering Graphics	1	0	4	3
5	Engineering Science	IT Workshop	0	0	2	1
6	Professional Core	Data Structures (Branch specific)	3	0	0	3
7	BS&H	Engineering Physics Lab	0	0	2	1
8	Engineering Science	Electrical and Electronics Engineering Workshop	0	0	3	1.5
9	Professional Core	Data Structures Lab	0	0	3	1.5
10		NSS/NCC/Scouts & Guides/Community Service	-	-	1	0.5
<b>Total</b>			<b>13</b>	<b>00</b>	<b>15</b>	<b>20.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**B.Tech.–IYear IISemester(forGroup-B Branches (ECE , AI ML , CIVIL , EEE , MECHANICAL)**

S.No.	Category	Title	L	T	P	Credits
1	BS&H	CommunicativeEnglish	2	0	0	2
2	BS & H	EngineeringChemistry/Chemistry/Fundamental Chemistry	3	0	0	3
3	Engineering Science	DifferentialEquations&VectorCalculus	3	0	0	3
4	Engineering Science	BasicCivil& MechanicalEngineering	3	0	0	3
5	Professional Core	Network Analysis/Datastructures / <b>ElectricalCircuits-I</b> / Engineering Mechanics/ (Branchspecific)	3	0	0	3
6	BS&H	CommunicativeEnglishLab	0	0	2	1
7	BS&H	Engineering Chemistry / Chemistry /Fundamental ChemistryLab	0	0	2	1
8	Engineering Science	EngineeringWorkshop	0	0	3	1.5
9	Professional Core	Network Analysis & Simulation Lab /Datastructures Lab / <b>ElectricalCircuits Lab</b> / Engineering Mechanics/ Mechanics & Building Practices Lab(Branch	0	0	3	1.5
10		Healthandwellness, YogaandSports	-	-	1	0.5
<b>Total</b>			<b>14</b>	<b>00</b>	<b>11</b>	<b>19.5</b>

*Decision:* Noted and approved the course structure, Syllabus

**A. The following items were also discussed and approved.**

Course structure for IB.Tech –I Semester & II Semester courses of R-23 regulations.  
Changes of Course Outcomes & Mapping with PO statement along with justification.  
Detailed syllabus of IB.Tech 1 semester& II Semester along with outcomes of each course.

**B. The following are the courses proposed for B.Tech 1 & II Semesters**

**B.Tech:**

I &II Semester- LinearAlgebra&Calculus  
DifferentialEquations&VectorCalculus



**Suggestions given by the experts during BOS-2023**  
**Subject : Mathematics**

Board of studies for the academic year 2023-24 was conducted on 7<sup>th</sup> October, 2023. The meeting was chaired by Mr V J Moses, HoD, BS&II. While all the members of faculty of Mathematics participated along with subject experts in professor cadre from reputed universities. After clearly discussing each and every unit in each paper of Mathematics, the board has finalized the syllabi for new regulation (R23) with few suggestions. The finalized papers are enclosed here with attested by the experts.

- ❖ A few changes ( additions and deletions ) are made with the suggestions of University nominees and Subject experts (R23 regulations )

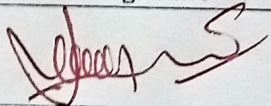
**1. In regarding Mathematics**

- \* Cutting-edge Sem-I :CO-2 is changed
- \* In Sem-I :In Unit-II Directional derivative topic is deleted
- \* In Sem -II :Cauchys and legendre form of differential equations is added
- \* In Sem - II :In Unit-5 Solenoidal, irrotational vectors is added
- ❖ Students involvement should be more than teacher's in everyday class

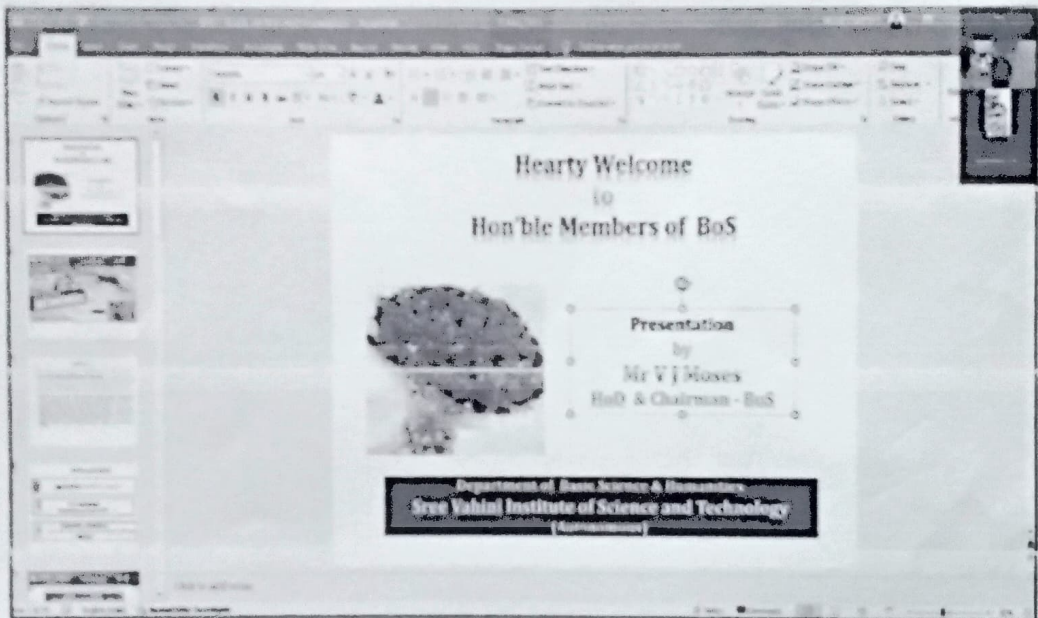
**Department of Mathematics**

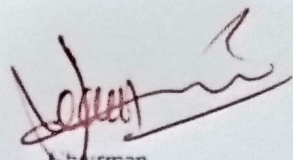
**Department Composition of Board of Studies:**

The following members are drafted as internal members to Board of Studies for the Department of Mathematics

S.No	Name and Designation of Member	Signature
1	<b>Chairperson :</b> Mr. V J Moses , Assoc. Professor & HOD	
<b>UNIVERSITY NOMINEE</b>		
1	Dr. Kasi Viswanadham KNS Professor NIT Warangal Mobile :9866028867 Email :kasi@nltw.ac.in	Present (Online)
<b>SUBJECT EXPERT</b>		
2	Dr. V.Ravindranath Head&ProfessorofMathematics. JNTUKakinada. Andhra Pradesh Mobile: 9948083686., Email Id: Nathvr@yahoo.com	Present (Online)

FACULTY ( INTERNAL ) MEMBERS		
1	Mr. D. Sai Pratap Kumar HoD&Assoc.Professor	D. Sai Pratap
2	Mr. Ch. Someswararao Asst Professor	Ch. Someswarao
3	Mr. G. Nagarjuna , Asst. Professor	G. Nagarjuna
4	Smt P Hemalatha , Asst. Professor	P. Hemalatha
5	Mr. Ch. Narasimharao , Asst. Professor	Ch. Narasimharao



  
 Chairman  
 Board of Studies  
 Head of the Dept. (B.S&H)  
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## DEPARTMENT OF PHYSICS

### MINUTES OF 1<sup>st</sup> BOARD OF STUDIES MEETING

Virtual Mode, Date: 07-10-2023 @ 3pm

The board of studies meeting was held on 7<sup>th</sup> October ,2023 in the Department of Physics to discuss the following points for R23 regulations of IB.Tech I Sem & II Sem based on the model syllabus given by AICTE & JNTUK

Detailed discussion on the following has been done .

- Implementation of Courses under R23 regulations
- Discussions on the allocation of Branches in Group –A & Group -B
- Course out comes & Mapping with PO statement along with justification
- Innovation teaching & Evaluation Techniques
- Implementation of curriculum as per NEP ( New education policy)
- Various steps to improve the skills & Knowledge of the students

### Group A Branches( CSE , CSE-DS )

#### 1<sup>st</sup> SEMESTER

S.No.	Category	Title	L/D	T	P	Credits
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7	BS&H	Engineering Chemistry/Chemistry/FundamentalChemistryL ab	0	0	2	1
8	Engineering Science	EngineeringWorkshop	0	0	3	1.5
9	Engineering Science	ComputerProgrammingLab	0	0	3	1.5
10	BS&H	Healthandwellness, YogaandSports	-	-	1	0.5
Total			14	00	11	19.5

**Decision:** Noted and approved the course structure, Syllabus

**Group B : Branches –ECE , AI ML , CIVIL , EEE , MECHANICAL**

**I SEMESTER**

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	Engineering Physics	3	0	0	3
2	BS&H	Linear Algebra & Calculus	3	0	0	3
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9	Engineering Science	Computer Programming Lab	0	0	3	1.5
10	BS&H	NSS/NCC/Scouts & Guides/Community Service	-	-	1	0.5
<b>Total</b>			<b>13</b>	<b>00</b>	<b>15</b>	<b>20.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**B.Tech.–I Year II Semester (for Group-A Branches CSE , CSD)**

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	Engineering Physics	3	0	0	3
2	BS & H	Differential Equations & Vector Calculus	3	0	0	3
3	Engineering Science	Basic Electrical and Electronics Engineering	3	0	0	3
4	Engineering Science	Engineering Graphics	1	0	4	3
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8	Engineering Science	Electrical and Electronics Engineering Workshop	0	0	3	1.5
9	Professional Core	Data Structures Lab	0	0	3	1.5
10		NSS/NCC/Scouts & Guides/Community Service	-	-	1	0.5
<b>Total</b>			<b>13</b>	<b>00</b>	<b>15</b>	<b>20.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**B.Tech.-I Year IISemester (for Group-B Branches ( ECE , AI ML , CIVIL , EEE , MECHANICAL)**

S.No.	Category	Title	L	T	P	Credits
1	BS&H	CommunicativeEnglish	2	0	0	2
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8	Engineering Science	EngineeringWorkshop	0	0	3	1.5
9	Professional Core	Network Analysis/Datastructures / <b>ElectricalCircuits-I</b> / Engineering Mechanics/ (Branchspecific)	0	0	3	1.5
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<b>Total</b>			<b>14</b>	<b>00</b>	<b>11</b>	<b>19.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**A. The following items were also discussed and approved.**

Course structure for 1B.Tech –I Semester & II Semester courses of R-23 regulations.

Changes of Course Outcomes & Mapping with PO statement along with justification.

Theory& Laboratory courses of Physics .

Detailed syllabus of IB.Tech 1 semester& II Semester along with outcomes of each course.

**B. The following are the courses proposed for B.Tech 1 & II Semesters**

**B.Tech:**

I & II Semester - (1) Engineering Physics  
(2) Engineering Physics Lab

**Suggestions given by the experts during BOS-2023**  
**Subject : Physics**

Board of studies for the academic year 2023-24 was conducted on 7<sup>th</sup> October ,2023. The meeting was chaired by HoD.BS&H. While all the members of faculty of Physics and participated along with subject experts in professor cadre from reputed universities .After clearly discussing each and every unit in each paper of Physics (Theory and practical) ,the board has finalized the syllabi for new regulation (R23) with few suggestions .

The finalized papers are enclosed here with attested by the experts .

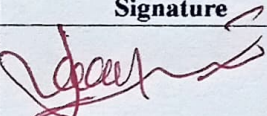
- ❖ A few suggestions are made by University nominees and Subject experts (R23 regulations )
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- ❖ ICT tools must be used
- ❖ Web-sources should be used as a part of day-to-day teaching

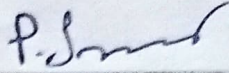
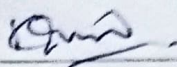
**1. In regarding Physics : No Changes . Syllabus is approved**

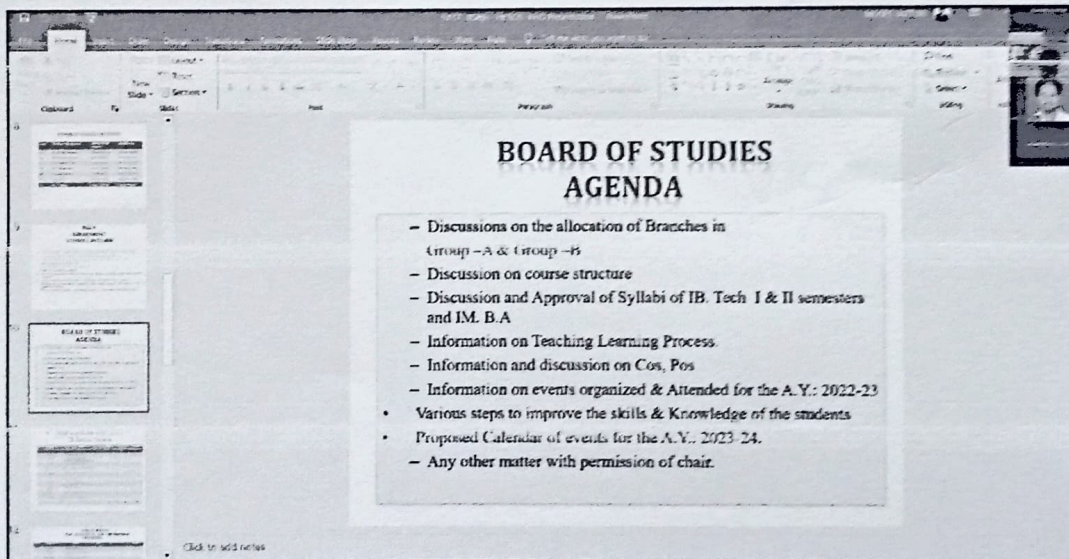
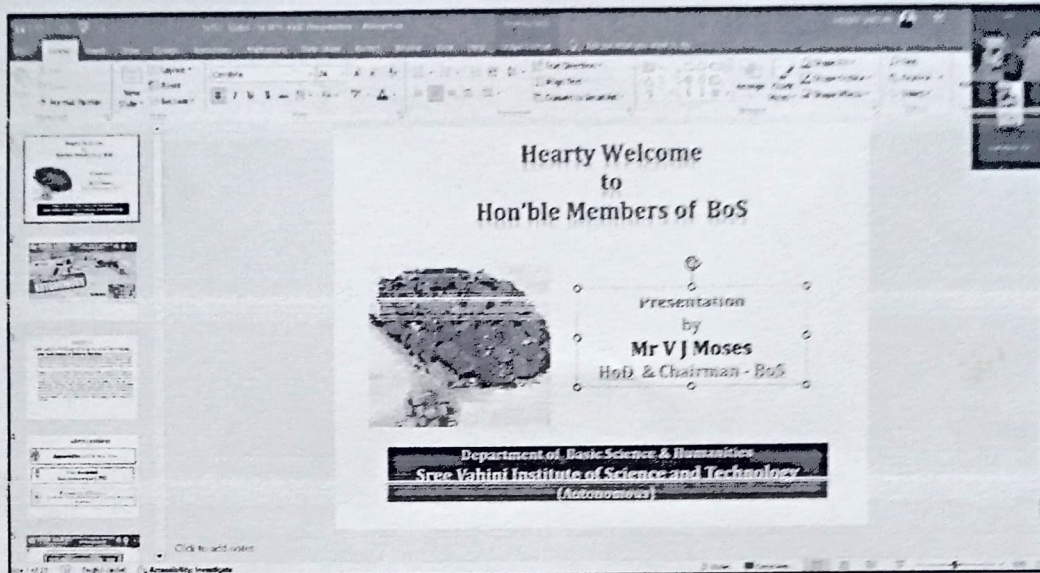
**Department of Physics**

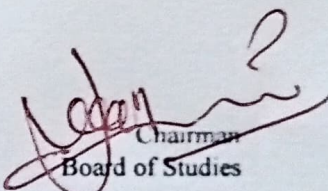
**Department Composition of Board of Studies:**

The following members are drafted as internal members to Board of Studies for the Department of Basic Science and Humanities

S.No	Name and Designation of Member	Signature
1	<b>Chairperson :</b> Mr. V J Moses , Assoc. Professor & HOD	
<b>UNIVERSITY NOMINEE</b>		
2	Dr. G Padmaja Rani Professor JNTU Kakinada Mobile :9440463002 Email id : padmajaranig@yahoo.co.in	Present (Online)
<b>SUBJECT EXPERT</b>		
3	Dr. V. Venkatramu Professor Yogi Vemana University .Kadapa Andhra Pradesh Mobile No: 8639257248 Email Id: vvrampuhd@gmail.com	Present (Online)

FACULTY ( INTERNAL ) MEMBERS		
4	Mr P. Srinivasa Rao , Asst. Professor	
5	Mr. N Kutumba Rao, Asst Professor	



  
Chairman  
Board of Studies  
Head of the Dept. (B.Sc.)  
Sree Vahini Institute of  
Science & Technology  
ru-521 235-Krishna D



# SREE VAHINI INSTITUTE OF SCIENCE AND TECHNOLOGY

( AN AUTONOMOUS INSTITUTION )

(Approved by AICTE & Govt. of A.P., Affiliated to JNTU Kakinada)

Accredited by NAAC with "A" Grade, An ISO 9001:2015 Certified Institution

Sri Vahini Nagar, NH-30 TIRUVURU, PIN: 521 235 NTR Dist A P India

## DEPARTMENT OF CHEMISTRY

### MINUTES OF 1<sup>st</sup> BOARD OF STUDIES MEETING

Virtual Mode, Date: 07-10-2023 @ 3pm

The board of studies meeting was held on 7<sup>th</sup> October ,2023 in the Department of Chemistry to discuss the following points for R23 regulations of IB.Tech I Sem & II Sem based on the model syllabus given by AICTE & JNTUK

Detailed discussion on the following has been done .

- Implementation of Courses under R23 regulations
- Discussions on the allocation of Branches in Group –A & Group -B
- Course out comes & Mapping with PO statement along with justification
- Innovation teaching & Evaluation Techniques
- Implementation of curriculum as per NEP ( New education policy)
- Various steps to improve the skills & Knowledge of the students

### Group A Branches( CSE , CSE-DS )

#### 1<sup>st</sup> SEMESTER

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	CommunicativeEnglish	2	0	0	2
2	BS&H	Engineering Chemistry/Chemistry/FundamentalChemistry	3	0	0	3
3	BS&H	LinearAlgebra&Calculus	3	0	0	3
4	Engineering Science	Basic Civil & MechanicalEngine ering	3	0	0	3
5	Engineering Science	IntroductiontoProgramming	3	0	0	3
6	BS&H	CommunicativeEnglishLab	0	0	2	1
7	BS&H	Engineering Chemistry/Chemistry/FundamentalChemistryL ab	0	0	2	1
8	Engineering Science	EngineeringWorkshop	0	0	3	1.5
9	Engineering Science	ComputerProgrammingLab	0	0	3	1.5
10	BS&H	Healthandwellness, YogaandSports	-	-	1	0.5
Total			14	00	11	19.5

**Decision:** Noted and approved the course structure, Syllabus



**Group B : Branches –ECE , AI ML , CIVIL , EEE , MECHANICAL**

**I SEMESTER**

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	EngineeringPhysics	3	0	0	3
2	BS&H	LinearAlgebra&Calculus	3	0	0	3
3	Engineering Science	Basic Electrical & ElectronicsEngineering	3	0	0	3
4	Engineering Science	EngineeringGraphics	1	0	4	3
5	Engineering Science	IntroductiontoProgramming	3	0	0	3
6	Engineering Science	ITWorkshop	0	0	2	1
7	BS&H	EngineeringPhysicsLab	0	0	2	1
8	Engineering Science	Electrical & Electronics EngineeringWorkshop	0	0	3	1.5
9	Engineering Science	ComputerProgrammingLab	0	0	3	1.5
10	BS&H	NSS/NCC/Scouts& Guides/CommunityService	-	-	1	0.5
<b>Total</b>			<b>13</b>	<b>00</b>	<b>15</b>	<b>20.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**B.Tech.–Year IISemester (for Group-A Branches CSE , CSD)**

S.No.	Category	Title	L/D	T	P	Credits
1	BS&H	EngineeringPhysics	3	0	0	3
2	BS & H	DifferentialEquations&VectorCalculus	3	0	0	3
3	Engineering Science	BasicElectricalandElectronicsEngineering	3	0	0	3
4	Engineering Science	EngineeringGraphics	1	0	4	3
5	Engineering Science	IT Workshop	0	0	2	1
6	Professional Core	Data Structures / Electrical Circuit Analysis – I(Branchspecific)	3	0	0	3
7	BS&H	EngineeringPhysics Lab	0	0	2	1
8	Engineering Science	ElectricalandElectronics EngineeringWorkshop	0	0	3	1.5
9	Professional Core	Data Structures Lab	0	0	3	1.5
10		NSS/NCC/Scouts&Guides/CommunityService	-	-	1	0.5
<b>Total</b>			<b>13</b>	<b>00</b>	<b>15</b>	<b>20.5</b>

**B.Tech.-I Year II Semester (for Group-B Branches ECE, AI ML, CIVIL, EEE, MECHANICAL)**

S.No.	Category	Title	L	T	P	Credits
1	BS&H	Communicative English	2	0	0	2
2	BS & H	Engineering Chemistry / Chemistry / Fundamental Chemistry	3	0	0	3
3	Engineering Science	Differential Equations & Vector Calculus	3	0	0	3
4	Engineering Science	Basic Civil & Mechanical Engineering	3	0	0	3
5	Professional Core	Network Analysis / Data structures / <b>Electrical Circuits-I</b> / Engineering Mechanics / (Branch specific)	3	0	0	3
6	BS&H	Communicative English Lab	0	0	2	1
7	BS&H	Engineering Chemistry / Chemistry / Fundamental Chemistry Lab	0	0	2	1
8	Engineering Science	Engineering Workshop	0	0	3	1.5
9	Professional Core	Network Analysis & Simulation Lab / Data structures Lab / <b>Electrical Circuits Lab</b> / Engineering Mechanics / Mechanics & Building Practices Lab (Branch specific) Engineering	0	0	3	1.5
10		Health and wellness, Yoga and Sports	-	-	1	0.5
<b>Total</b>			<b>14</b>	<b>00</b>	<b>11</b>	<b>19.5</b>

**Decision:** Noted and approved the course structure, Syllabus

**A. The following items were also discussed and approved.**

Course structure for IB.Tech –I Semester & II Semester courses of R-23 regulations.  
Changes of Course Outcomes & Mapping with PO statement along with justification  
Theory & Laboratory courses of English, Physics, Chemistry  
Detailed syllabus of IB.Tech I semester & II Semester along with outcomes of each course.

**B. The following are the courses proposed for B.Tech 1 & II Semesters, & M.B.A**

**B.Tech:**

- I & II Semester - Chemistry  
Engineering chemistry  
Chemistry Lab  
Engineering Chemistry Lab
- I & II Semester - Engineering Physics  
Engineering Physics Lab

## Suggestions given by the experts during BOS-2023

### Subject : Chemistry

Board of studies for the academic year 2023-24 was conducted on 7<sup>th</sup> October, 2023. The meeting was chaired by HoD. BS&H. While all the members of faculty of Chemistry participated along with subject experts in professor cadre from reputed universities.

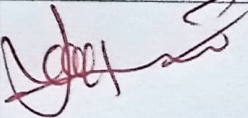
After clearly discussing each and every unit in each paper of Chemistry (Theory and practical), the board has finalized the syllabi for new regulation (R23) with few suggestions. The finalized papers are enclosed here with attested by the experts.

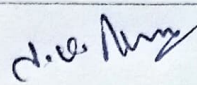
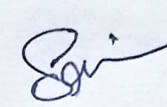
- ❖ A few changes ( additions and deletions ) are made with the suggestions of University nominees and Subject experts (R23 regulations) :
- ❖ "Determination of HCl using standard Na<sub>2</sub>CO<sub>3</sub> Solution' is added in place of Measurement of 10Dq by spectrophotometric method
- ❖ Determination of Mn +2 by using standard Oxalic acid solution is added
- ❖ Determination of temporary and permanent Hardness of water sample by using standard EDTA solution is added
- ❖ Identification of functional groups from the given IR Spectra is added
- ❖ Determination of copper using standard hypo solution is added
- ❖ HPLC topic is deleted in theory
- ❖ ICT tools must be used
- ❖ Web-sources should be used as a part of day-to-day teaching

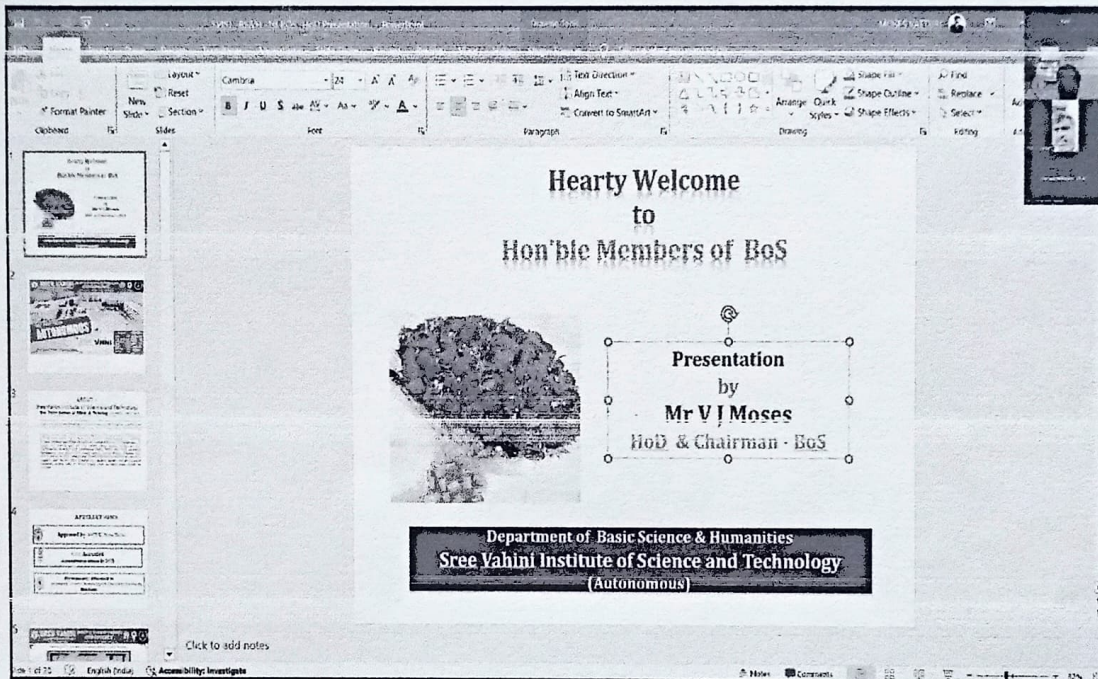
## DEPARTMENT OF CHEMISTRY

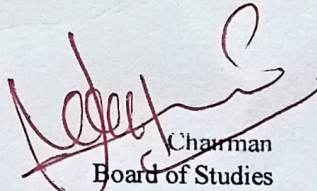
### Department Composition of Board of Studies:

The following members are drafted as internal members to Board of Studies for the Department of Chemistry

S.No	Name and Designation of Member	Signature
1	<b>Chairperson :</b> Mr. V I Moses, Assoc. Professor & HOD	
<b>UNIVERSITY NOMINEE</b>		
1	Dr.B.Hari Babu Professor Acharya Nagarjuna University .Gunturu. Mobile: 8500338866 EmailId :dr.b.haribabu @gmail.com	Present (Online)
<b>SUBJECT EXPERT</b>		
1	Dr. MV Basaveswararao Professor KrishnaUniversity .Machilipatnam . Andhra Pradesh Mobile No: 9346234562 Email.Id: professormandava@gmail.com.	Present (Online)

FACULTY ( INTERNAL ) MEMBERS		
4	Dr. N. Venkateswara rao, Professor	
5	Smt. S Sravani , Asst Professor	



  
 Chairman  
 Board of Studies

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