

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
**(Autonomous)**

Sree Sainath Nagar, A. Rangampet-517 102  
**Department of Basic Sciences and Humanities**

**Minutes of the meeting of the 6<sup>th</sup> Board of studies in**  
**Department of Basic Sciences and Humanities for 1<sup>st</sup> B. Tech.**  
**held on 9<sup>th</sup> January, 2021 @ 11:45 AM Virtually**

**Members Present in the individual boards:**

S. No.	Name and Address of the member	Member Type
1.	<b>Dr. Y. B. Kiran</b> Assistant Professor (SL) & Chairman BoS Dept. of BSH. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati.	Chairman
<b>English</b>		
2.	<b>Prof. V. B. Chitra</b> Assistant Professor (SL) & Professor of English Department of Humanities, JNTUA College of Engineering, Anantapuramu - 515002	External
3.	<b>Prof. P. Hari Padma Rani</b> Professor of English, Dept. of English Language and Literature, Sri Padmavati Mahila Visvavidyalayam, TIRUPATI – 517502	External
4.	<b>Prof. R. L. N. RAJU</b> Associate Professor of English Department of English VIT University, VELLORE – 632014 TAMILNADU	External
5.	<b>Dr. M. Ravichand</b> Professor of English, Dept.of BSH. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
6.	<b>Dr. S. Pushpalatha</b> Associate Professor of English, Dept.of BSH. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
7.	<b>Dr. B. Anitha</b> Assistant Professor (SL), Dept.of BSH. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
8.	<b>Dr. C. Raghavendra Reddy</b> Assistant Professor (SL), Dept.of BSH. Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal

MATHEMATICS		
9.	<b>Prof. Dr. G.S.S. Raju</b> Professor of Mathematics, Department of Mathematics, JNTU College of Engineering, Pulivendula, YSR District , Andhra Pradesh – 516390	External
10.	<b>Prof. G. Viswanadha Reddy</b> Professor of Mathematics Department of Mathematics S.V.University, Tirupati	External
11.	<b>Dr. M. Sudheer Babu</b> Associate Professor of Mathematics, Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
12.	<b>Dr. A.V.M. Prasad</b> Professor & Head, Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
13.	<b>Dr. B. Reddappa</b> Assistant Professor (SL), Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
14.	<b>Dr. K. Kumaraswamy Naidu</b> Assistant Professor (SL), Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
15.	<b>Dr. T. Chalapathi</b> Assistant Professor (SL), Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
PHYSICS		
16.	<b>Prof. R. Padma Suvarna</b> Professor & Head Department of Physics JNTU A College of Engineering Anantapuramu – 515002	External
17.	<b>Prof. S. Vijaya Bhaskar Rao</b> Professor of physics Department of Physics Sri Venkateswara University Tirupati - 517 502	External
18.	<b>Prof. K. Krishna Reddy</b> Professor of Physics Yogi Vemana University, Kadapa & Registrar of Krishna University, Machilipatnam	External



19.	<b>Dr. P. Vishnu Prasanth</b> Associate Professor of Physics, Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
20.	<b>Dr. V. Nirupama</b> Assistant Professor (SL), Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
21.	<b>Dr. Y. B. Kishore kumar</b> Assistant Professor (SL), Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
22.	<b>Dr. M. V. Sasi Kumar</b> Assistant Professor (SL), Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
<b>CHEMISTRY</b>		
23.	<b>Prof. G. V. Subba Reddy</b> Professor of Chemistry, JNTUA College of Engineering, Pulivendula, YSR District , AP - 516390	External
24.	<b>Dr. K. Vijaya Krishna</b> Associate Professor of Chemistry, School of Basic Sciences, Indian Institute of Technology Bhubaneswar (IITBBS) Bhubaneswar, Odisha -752050	External
25.	<b>Dr. P. Vasugovardhan Reddy</b> Associate Professor of chemistry, Department of chemistry, Yogi Vemana University, YSR District -516216	External
26.	<b>Dr. G. Ganesh</b> Assistant Professor (SL), Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal
27.	<b>Dr. G. Rambabu</b> Associate Professor of Chemistry, Dept. of BSH, Sree Vidyanikethan Engineering College, Sree Sainath Nagar – 517102, Tirupati	Internal

6<sup>th</sup> Board of Studies Meeting of Basic Sciences and Humanities (BSH) for 1<sup>st</sup> B. Tech. was conducted **through online video conferencing** using ZOOM platform on 9<sup>th</sup> January, 2021 from 11.45 AM. The screenshots taken during the meeting are shown below:

## English Board:

**I B.Tech. - I/II Semester**  
**(20BT1HSAC) SPOKEN ENGLISH**  
 (Common to All Branches of Engineering)  
 (Audit Course)

Int. Marks: Ext. Marks: Total Marks: 1 1 2

**PRE-REQUISITES: -**

**COURSE OBJECTIVES: -**

- To impart the knowledge of day to day conversational expressions.
- To enhance contextual vocabulary and technical jargon for effective usage of language.
- To improve functional grammar for speaking and writing without errors.
- To acquaint with appropriate conversational and narrating techniques for effective communication.

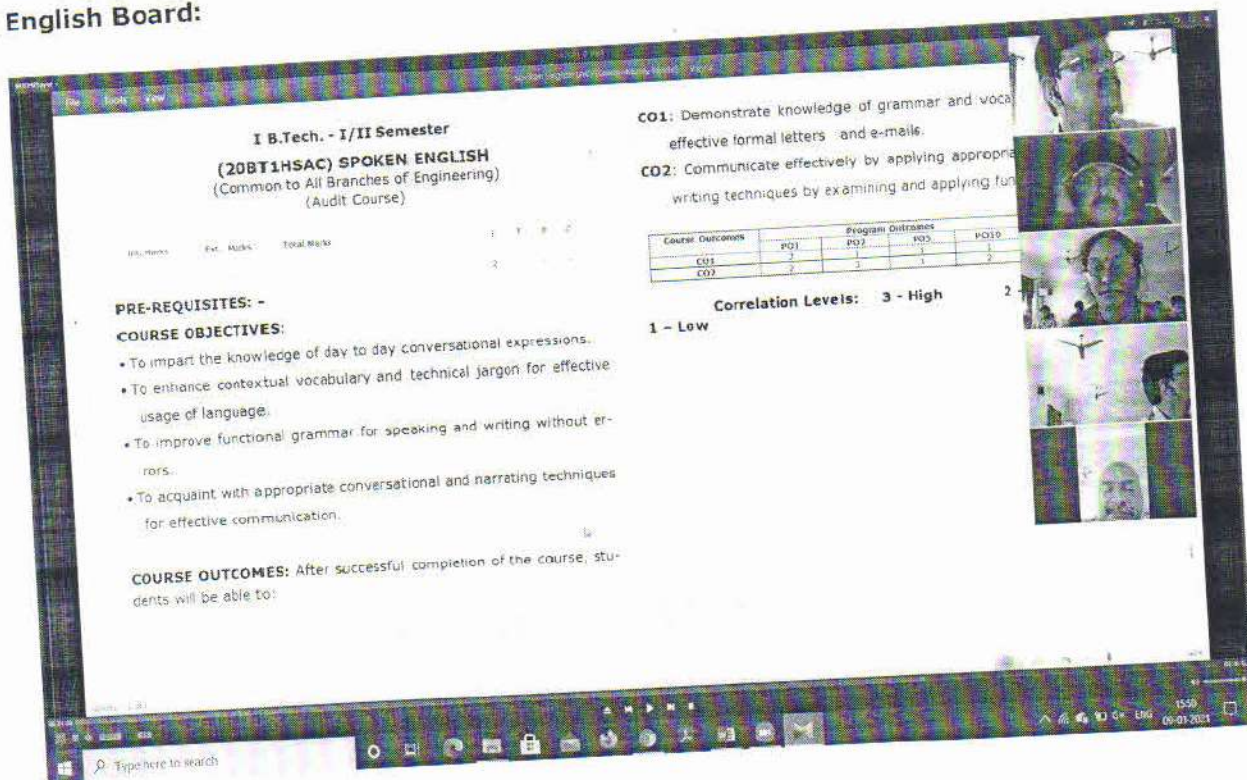
**COURSE OUTCOMES:** After successful completion of the course, students will be able to:

**CO1:** Demonstrate knowledge of grammar and vocabulary to write effective formal letters and e-mails.

**CO2:** Communicate effectively by applying appropriate writing techniques by examining and applying functional grammar.

Course Outcomes	Program Outcomes			
	PO1	PO2	PO3	PO4
CO1	2	3	1	2
CO2	2	3	1	2

**Correlation Levels: 3 - High**  
**1 - Low**



**I B.Tech. - I/II Semester**  
**(20BT1HSAC) SPOKEN ENGLISH**  
 (Common to All Branches of Engineering)  
 (Audit Course)

Int. Marks: 30 Ext. Marks: 70 Total Marks: 100

**PRE-REQUISITES: -**

**COURSE OBJECTIVES: -**

- To acquaint with the nuances of effective communication consisting with academic context.
- To understand and interpret the importance of listening techniques for effective communication.
- To develop reading and writing techniques for effective technical communication.
- To make use of speaking techniques to communicate effectively in formal and informal situations.

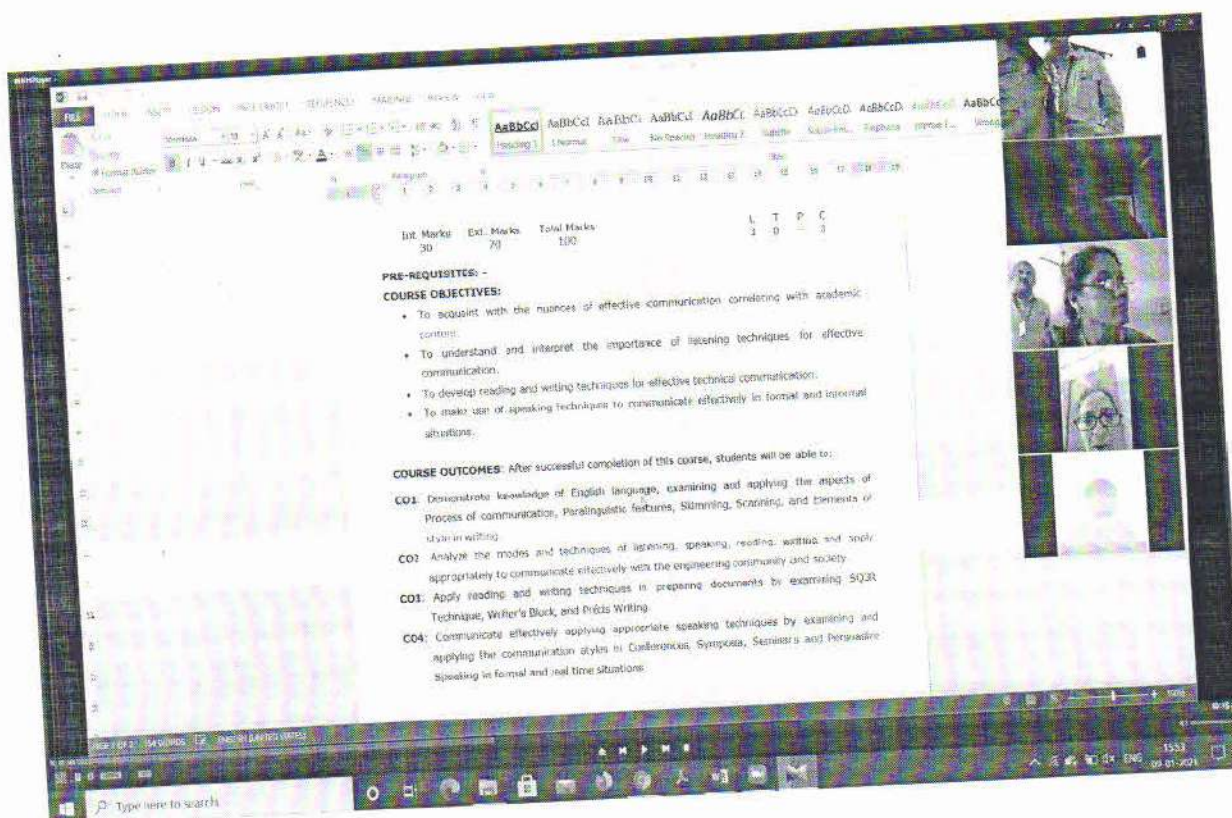
**COURSE OUTCOMES:** After successful completion of this course, students will be able to:

**CO1:** Demonstrate knowledge of English language, examining and applying the aspects of Process of communication, Paralinguistic features, Summarizing, Screening, and Elements of style in writing.

**CO2:** Analyze the modes and techniques of listening, speaking, reading, writing and apply appropriately to communicate effectively with the engineering community and society.

**CO3:** Apply reading and writing techniques in preparing documents by examining SQ3R Technique, Writer's Block, and Pivots Writing.

**CO4:** Communicate effectively applying appropriate speaking techniques by examining and applying the communication styles in Conferences, Symposia, Seminars and Persuasive Speaking in formal and real time situations.





DEMYC final SPEC 2016 (Comptability Model) - Word

File Home Insert Design Layout References Mailings Review View Tell me what you want to do

Clipboard Font Paragraph Styles

Font: Arial, 11, Bold, Italic, Underline, Color, Background Color, Paragraph: Left, Right, Center, Justify, Indent, Decrease Indent, Increase Indent, Paragraph Spacing: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 8

The screenshot shows a video player interface. At the top, there's a navigation bar with icons for back, forward, search, and other controls. Below this is a title bar for a Windows application window titled "DEMSYC Final REC 20 [Compatibility Mode] - Word". The main area displays a Microsoft Word document with the following content:

**TEXT BOOKS:**

1. T. K. V. Iyengar, B. Krishna Gandhi, S. Ranganatham and M. V. S. N. Prasad, *Engineering Mathematics*, vol-1, S. Chand and Company, 13<sup>th</sup> edition, 2014.
2. B. S. Grewal, *Higher Engineering Mathematics*, Khanna publishers, 44<sup>th</sup> edition, 2017.

**REFERENCE BOOKS:**

1. Dennis G. Zill and Warren S. Wright, *Advanced Engineering Mathematics*, Jones and Bartlett, 6<sup>th</sup> e dition, 2011.
2. R. K. Jain and S. R. K. Iyengar, *Advanced Engineering Mathematics*, Alpha Science International Ltd., 6<sup>th</sup> edition, 2017.

The bottom of the screen shows a Windows taskbar with various icons and a system clock indicating 4:08 PM on 09-Jan-21.



## Physics Board

zoom\_0.mp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

APPLIED PHYSICS theory and lab 306623-02-01-2019-160

Format menu

number, v-number (qualitative), fabrication of optical fiber by double cladding technique, applications of optical fibers, sensors (temperature, displacement, liquid level detector).

**UNIT-II: ACOUSTICS AND ULTRASONICS (9 periods)**

**Acoustics** - Introduction, classification of sound, sound intensity level (decibel), reverberation, reverberation time, Sabine's formula (qualitative), absorption coefficient and its determination, factors affecting acoustics and their remedies, basic requirements of an acoustically good hall.

**Ultrasonics** - Introduction to ultrasonic waves, production of ultrasonic waves by magnetostriction method, piezoelectric method, detection of ultrasonics (qualitative), industrial applications (ultrasonic welding, ultrasonic soldering and ultrasonic drilling).

**UNIT-III: KINEMATICS AND KINETICS (14 periods)**

Page 1 of 11 Windows 2019

15:17 29-02-2019

zoom\_0

02:04

4:05 PM 1/4/2019



## Chemistry Board

The screenshot shows a Zoom meeting window. The title bar reads "zoom.mp4 - VLC media player". The menu bar includes "Media", "Playback", "Audio", "Video", "Subtitle", "Tools", "View", and "Help". The main content area displays a presentation slide titled "8.8. Tech. 1/11 Semester (20BT18S02) ENGINEERING CHEMISTRY (Common to all Branches)". The slide contains a table of marks, a list of prerequisites, course objectives, and course outcomes. On the right side of the Zoom window, there is a video call interface showing three participants: a person with a headset, a man with a beard, and a person with dark hair. The bottom of the window shows the Zoom status bar with "01:14" and various icons.

Engineering Chemistry (20BT18S02) - Progression Section (Common to all Branches)

Protected View: This file originated from an internet location and might contain unsafe links to more content. Click to enable editing.

8.8. Tech. 1/11 Semester  
(20BT18S02) ENGINEERING CHEMISTRY  
(Common to all Branches)

Int. Marks	Ext. Marks	Total Marks	L	T	P	C
20	20	100	3			1

**PRE REQUISITE**

**COURSE OBJECTIVES**

- To provide basic knowledge in quantum mechanical model of atom, bonding theories, water treatment, electrochemistry, corrosion, instrumental methods, fuels and lubricants.
- To develop skill in identification of molecular shapes, measurement of hardness of water, calculation of cell potential, calorific value of fuels.
- To impart basic knowledge pertains to various instrumental methods, their applications and identification of molecular structures using instrumental methods.

**COURSE OUTCOMES:** After successful completion of the course, students will be able to:

- C01: Analyse and solve problems associated with hardness of water, boiler troubles and address the social, health and safety issues related to quality of water.
- C02: Apply the basic knowledge of quantum mechanical approach to atomic structure and bonding theories to identify shapes of different molecules.
- C03: Apply the basic knowledge of corrosion phenomenon to identify solutions for control.

Engineering Chemistry (20BT18S02) - Progression Section (Common to all Branches) - Protected View

The screenshot shows a Zoom window displaying a presentation slide from a file named "zoom\_1.mp4". The slide content is as follows:

**COURSE OBJECTIVES:**

- To provide basic knowledge in quantum-mechanical model of atom, bonding theories, water treatment, electrochemistry, corrosion, instrumental methods, fuels and lubricants
- To develop skills in identification of molecular shapes, measurement of hardness of water, calculation of cell potential, calorific value of fuels
- To impart basic knowledge pertains to various instrumental methods, their applications and characterization of molecular structures using Instrumental methods.

**COURSE OUTCOMES:** After successful completion of the course, students will be able to;

- CO1 Analyze and solve problems associated with hardness of water, boiler troubles and address the societal, health and safety issues related to quality of water
- CO2 Apply the basic knowledge of quantum mechanical approach to atomic structure and bonding theories to identify shapes of different molecules.
- CO3 Apply the basic knowledge of corrosion phenomenon to identify solutions for control of corrosion and demonstrate competency in the basic concepts of electrochemical cells.
- CO4 Demonstrate the basic knowledge of instrumental methods and their applications in the structural analysis of materials.

In the bottom right corner of the Zoom window, two video thumbnails are visible, showing participants in the meeting. The overall interface includes standard Windows taskbar elements at the bottom and VLC media player controls at the top.



**Minutes:****I. Action Taken Report on Minutes of 4<sup>th</sup> Meeting held on 10<sup>th</sup> June, 2019.**

The members were apprised of the action taken on the minutes of the 4<sup>th</sup> Board of Studies meeting held on 10<sup>th</sup> June, 2019.

*The members noted and approved the same*

**II. Course Objectives, Course Outcomes and Syllabi handled by the Department:**

Members of the B.O.S were apprised of the Course Objectives and Course Outcomes, Syllabi of the following courses handled by the department

Programme	Semester	Subject	Member(s) who	
			presented	Approved
ENGLISH				
I – B. Tech	First semester	Communicative English,	Dr. M. Ravichand	Board of Studies in B S & H (ENGLISH)
	Second semester			
	First semester	Communicative English laboratory		
	Second semester			
	First semester	Spoken English (AC)		
	Second semester			
MATHEMATICS				
I – B. Tech.	First semester	Differential Equations and Multivariable calculus	Dr. M. Sudheer Babu	Board of Studies in B S & H (MATHEMATICS)
	Second semester	Transformation Techniques and Linear Algebra		
PHYSICS				
I – B. Tech.	First semester	Engineering Physics	Dr. P. Vishnu Prasanth	Board of Studies in B S & H (PHYSICS)
	Second semester			
	First semester	Applied Physics		
	Second semester			
	First semester	Engineering Physics Laboratory		
	Second semester			
	First semester	Applied Physics Laboratory		
	Second semester			
CHEMISTRY				
I – B. Tech.	First semester	Engineering Chemistry	Dr. G. Ganesh	Board of Studies in B S & H (CHEMISTRY)
	Second semester			
	First semester	Engineering Chemistry Laboratory		
	Second semester			

*Members of respective disciplines unanimously approved course objectives,*

*course outcomes and syllabi of the above courses.*



**III. Panel of Question paper setters, Model question papers and Lesson plan for the courses handled by the department.**

The Lesson Plans for the courses, Panel of Examiners and Model question papers for semester – end examinations for the above courses handled by the department under SVCE-20 were presented to the members.

**Members perused, discussed and approved the above**



**(Y. B. Kiran)**  
Chairman BOS for BS&H