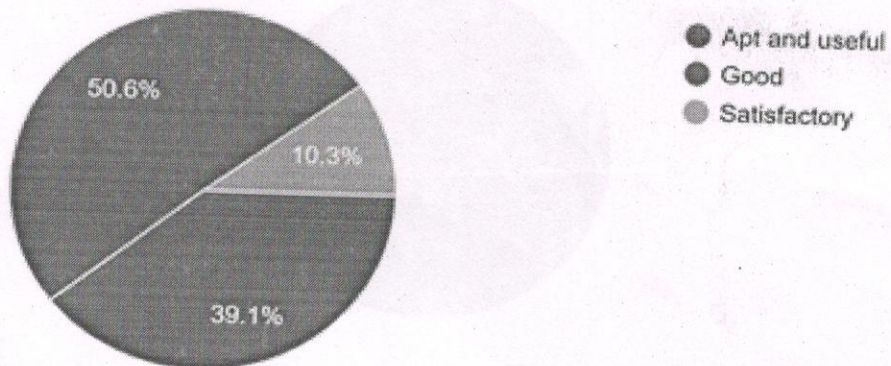


Feedback survey results for AY 2020-2021 - Department of BSH

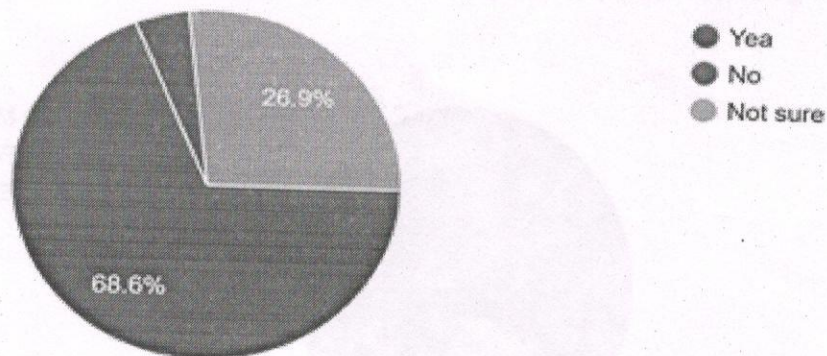
Feedback from Students on Scheme & Syllabus of B.E

URL: https://docs.google.com/forms/d/1v7uH7DtYR1nR_CSyq7pdz5aIPu88oye3SAvYwVI2jDU/edit

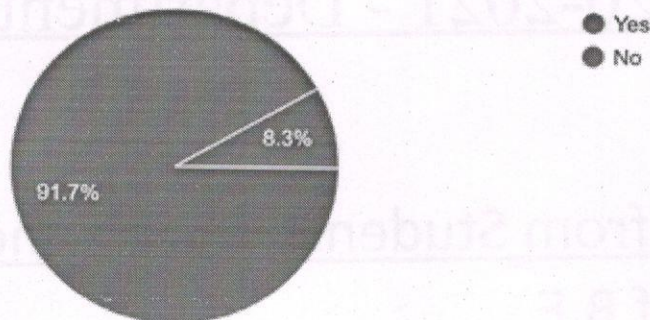
How useful is the syllabus of core courses of I/II Sem BE under Autonomy



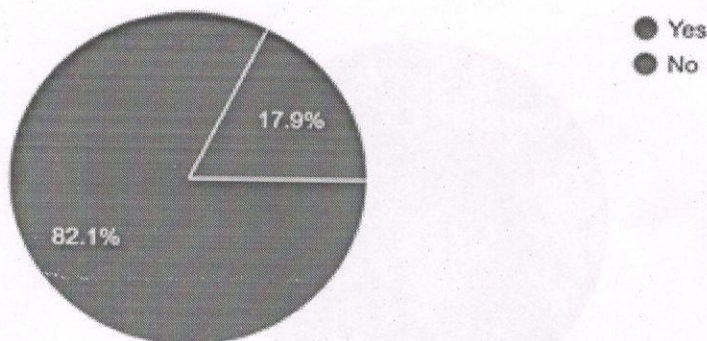
Do you think that the designed syllabus at NHCE shall add to Employability



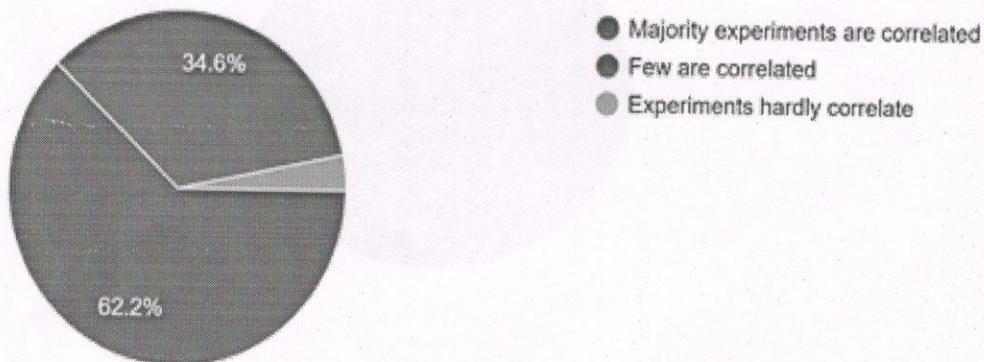
Are you happy with skill development courses namely Professional communication & Essential English to groom you more for professional life?



Do you agree that our syllabus shall eventually help you generating more skill set?



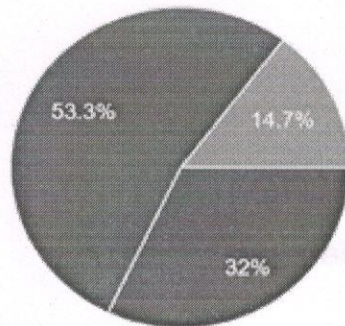
How good are laboratory experiments correlated with the theory syllabus



Feedback from Parents on Scheme & Syllabus of B.E- AY 2020-2021

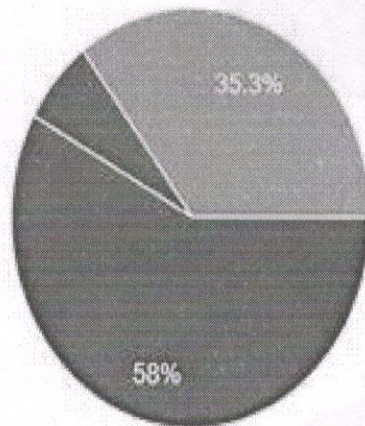
URL:https://docs.google.com/forms/d/1uqm_x7c2_wdWe6WLPyVvjpLdaFXgfnwxnBoimE54EE/edit#responses

How useful is the syllabus of core courses of I/II Sem BE under Autonomy?



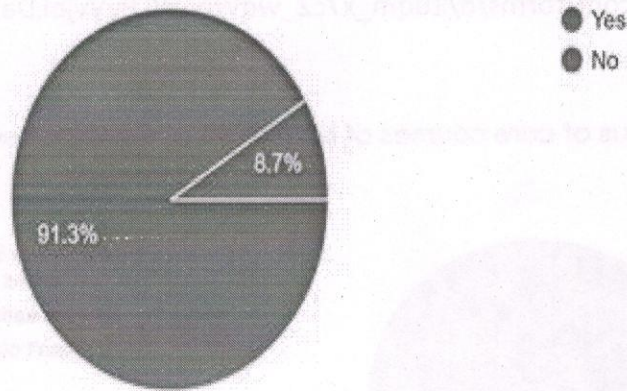
- I have high hopes as it's more industry oriented
- I am satisfied
- I can't comment

Do you think that the designed syllabus at NHCE shall add to Employability for you ward?

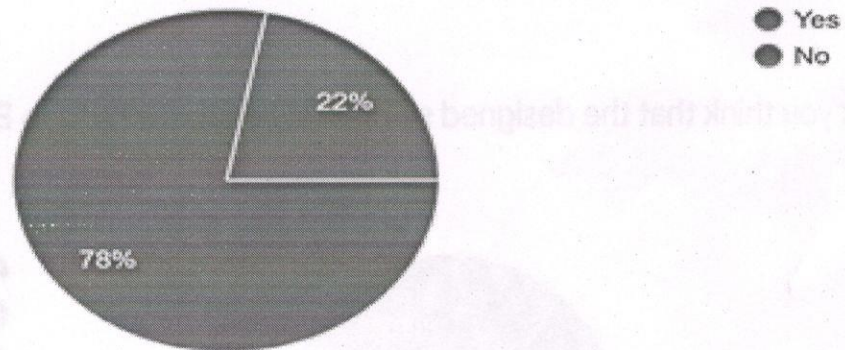


- Yes
- No
- Not sure

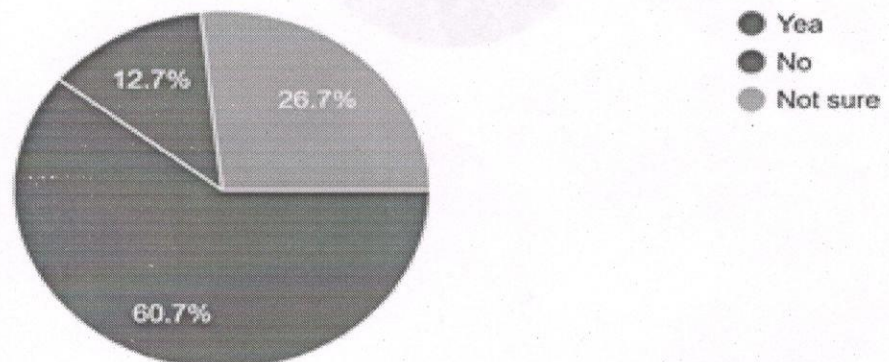
Are you happy with skill development courses namely professional communication & Essential English to groom your ward more for professional life?



Do you feel the syllabus is appropriately exhaustive?



Was the induction program conducted helpful?

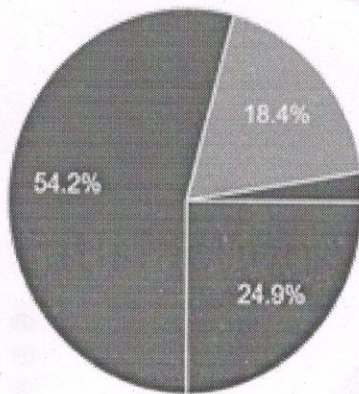


Student's Satisfaction Survey AY 2020-2021

URL:

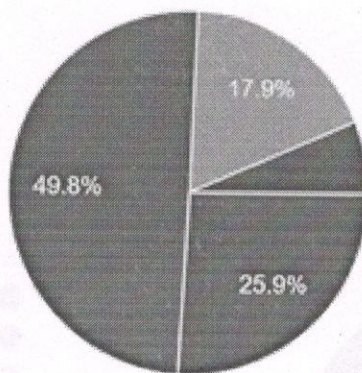
https://docs.google.com/forms/d/106nTPHFGMFh4jU_LAVqIXslgvmKfQf1HKHLs0SJMIOc/e

As a BE 1st year student in Autonomy, how satisfied you feel at BSH in NHCE?



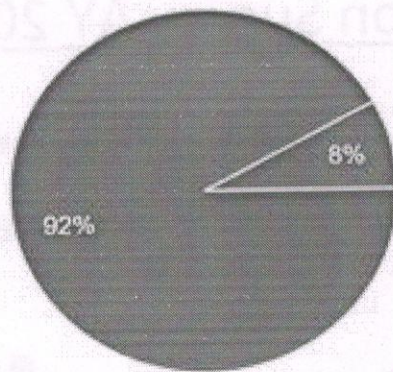
- Highly Satisfied
- Moderately Satisfied
- Satisfied, but often taxing
- Not satisfies

How is the CIE Schedule in 1st/2nd Sem Calendar of events?



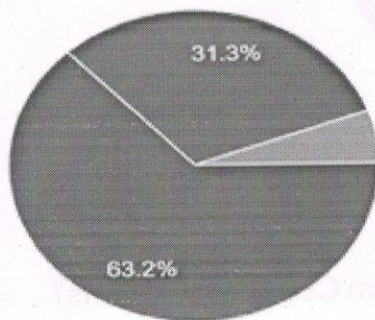
- Worth attempting
- Good, but hectic
- Overloaded
- Tough

Are you happy with infrastructure(classrooms, Lab facilities):



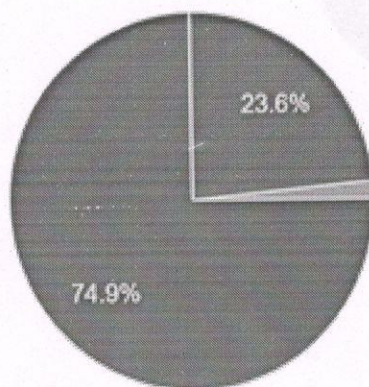
- Yes
- No

How is the support team at BSH?



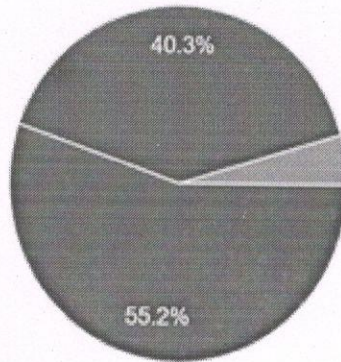
- Cordial and helping
- Sometimes helping
- Not approachable

How helpful and guiding are Lab Instructors?



- Very Helpful
- Helpful, only sometimes
- Do not bother for students

How useful and approachable are Counselors in BSH?



- Very Helpful
- Moderately Helpful
- Counseling facility is of no use

Ravathi

H.O.D. - PHYSICS
NEW HORIZON COLLEGE OF ENGINEERING
BANGALORE

[Signature]

Head- Mathematics
Department of Basic Sciences & Humanities
New Horizon College of Engineering (Autonomous)
Bangalore-560103

[Signature]

H.O.D. - CHEMISTRY
NEW HORIZON COLLEGE OF ENGINEERING
BANGALORE

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF APPLIED SCIENCES

**Action taken based on the feedback of stake holders (Parents, Students,
 Industry Experts, Alumni, Subject Experts)**

AY 2020-21

Based on the stake holders' feedback for the AY 2019-20 & 2020-21 following changes have been planned to implement in the syllabus of AY 2021-22.

Engineering Chemistry & Engineering Chemistry Lab

Module 1: Super Capacitors topic will be removed as students are feeling difficult to learn.

Module 2: Flame photometry topic will be removed as it is given in Engineering Chemistry lab.

Module 3: Biogas production will be removed as the topic is familiar to students and students are feeling the faculty members are feeling the module is lengthy and difficult to complete in 9 hours.

Module 4: Chemical aspects of soil pollution will be removed as students are feeling the topic very dry and not interesting to discuss in the class room. It will be given in the form of assignment. Hard water and boiler problems due to dissolved oxygen, CO_2 and MgCl_2 , Reverse osmosis process in water purification will be introduced based on the industry experts' feedback.

In Engineering Chemistry lab two experiments will be removed as the credits are reduced from 2 to 1.

Mini Projects for 10 marks in the CIE will be introduced to encourage the students for experiential learning.

Mathematics

1. Applied Mathematics-I (Common to all branches) in first semester:

Module 5: Applications of matrices to Chemical equation and Network flow will be included.

2. Applied Mathematics-II (Common to all branches) in second semester:

Module 1: $e^{ax} f(x)$, $x f(x)$, $a x^n$ types will be included.

3. Applied Mathematics-III (AUT, CIV & MEE branches) in third semester:

Module 2: Numerical Differentiation topics will be removed from Module 5 and included in the beginning of the Module 2. Also, Numerical solution of one-dimensional wave equation, heat equation and two-dimensional Laplace's equation will be added in Applications part.

Module 5: Discrete Fourier Transform and Fast Fourier Transform concepts will be

added in place of Numerical Differentiation.

4. Applied Mathematics-III (CSE & ISE branches) in third semester:

Module 3: Brachistochrone problem will be included in Applications part.

Module 5: Central Limit Theorem (without proof) will be added.

5. Applied Mathematics-III (ECE & EEE branches) in third semester:

Module 3: Brachistochrone problem will be included in Applications part.

6. Applied Mathematics-IV (AUT, CIV & MEE branches):

Module 3: Generalized Cauchy's integral formula will be added.

Module 5: Test of hypothesis of large samples for means and proportions, Central limit theorem (without proof) and Confidence limits for means will be included.

7. Discrete Mathematics and Graph Theory (CEE, CSE & ISE branches):

Module 1: NAND and NOR connectives will be included.

Module 5: Dual of planar graphs will be added.

8. Applied Mathematics-IV (ECE & EEE branches):

Module 3: Generalized Cauchy's integral formula will be added.

Module 5: Central limit theorem (without proof) concept will be included.

9. Basic Applied Mathematics-I (for third semester Lateral Entry Students-Common to all branches):

Module 3: Problems on Reduction formula $\tan^n x$ will be included.

10. Basic Applied Mathematics-II (for fourth semester Lateral Entry Students-Common to all branches):

Module 3: $e^{ax} f(x)$ type will be included.

Engineering Physics and Engineering Physics Lab

1. To incorporate the recent advances in technology and keep the students with current industry requirement Quantum computational concepts are incorporated in Module 1.
2. Quantum dot laser has been incorporated in place of CO₂ lasers for having better understanding of semiconductor devices by the students and more recent applications of laser are incorporated prevalent to the current engineering industry applications.
3. To inculcate research approach in students Module 5 has been completely overhauled where we have included more instrument technology.
4. To Support more hands on experience with the concepts of Module 5 we have replaced Transistor experiment with Powder diffraction analysis.

FEEDBACK ANALYSIS – CHEMISTRY

URL Link for the feedback. <https://forms.gle/PxsWrTFSiTWsjCT9A>

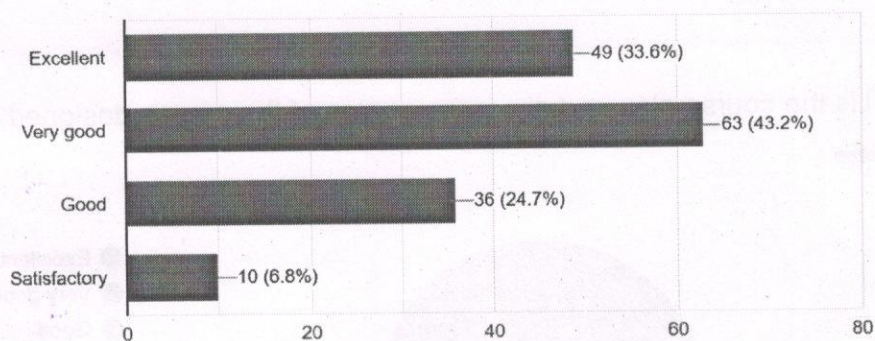
COURSE EXIT SURVEY

COURSE ENGINEERING CHEMISTRY

COURSE CODE : 19CHE12/22

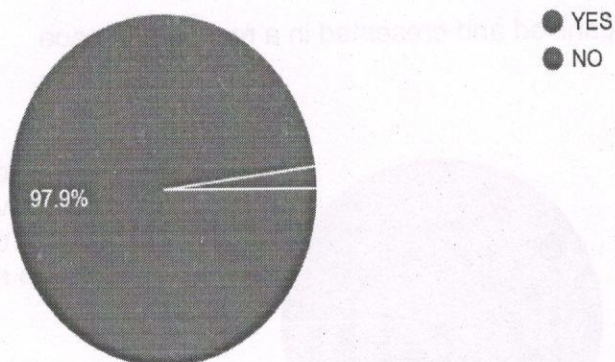
Quality of thcourse content

146 responses



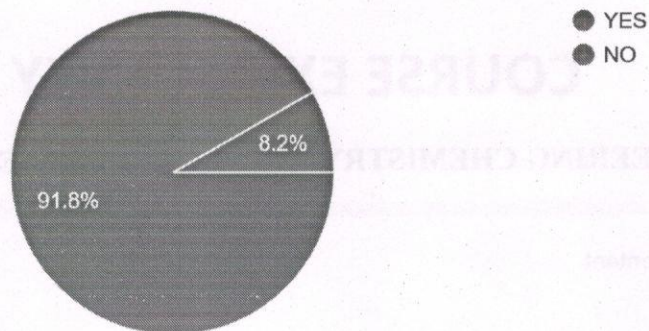
Course outcomes are well defined?

146 responses



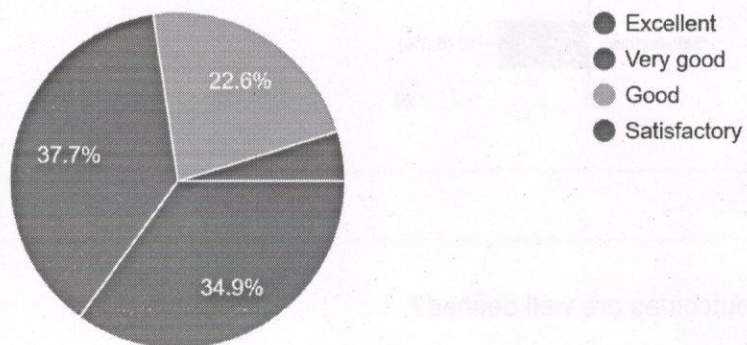
The course is designed as per the industry needs?

146 responses



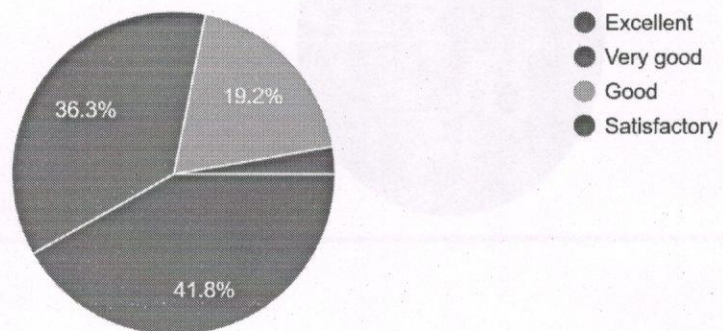
How well is the course plan and assessment plan of the course designed?

146 responses



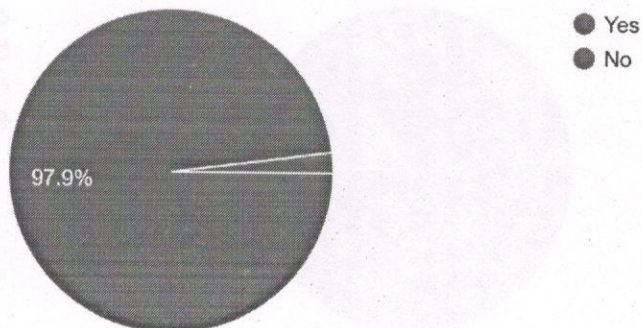
Lectures are well organised and presented in a reasonable pace

146 responses



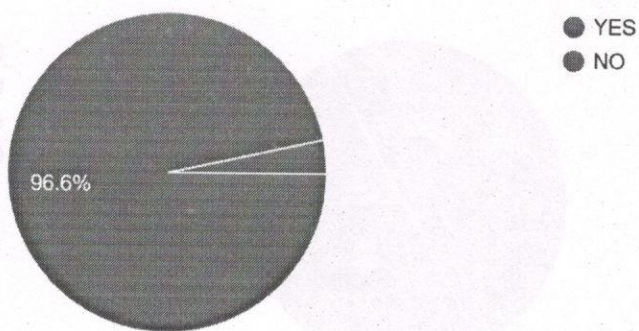
Whether the teaching aids used by the chemistry faculty (PPTs, videos, Activity based, chalk and talk) are helping for learning the course

146 responses



Problems worked in classroom helped you to solve new problems on your own

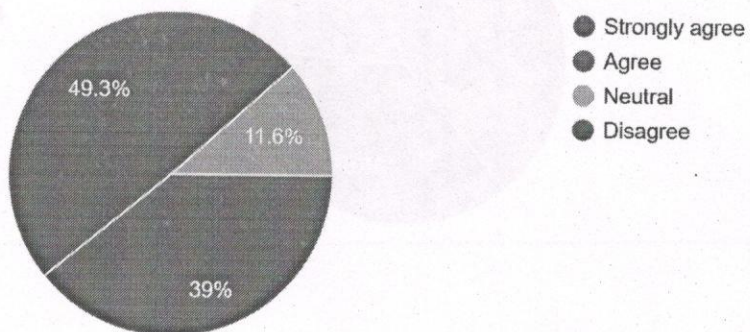
146 responses



SURVEY ON COURSE OUTCOMES

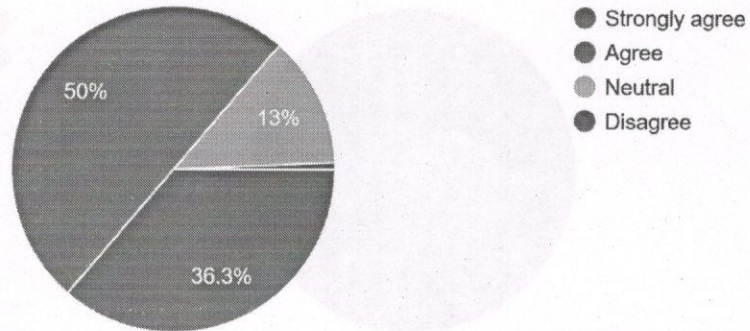
(CO1) Explain the chemistry behind engineering materials in various devices which are in the service of mankind.

146 responses



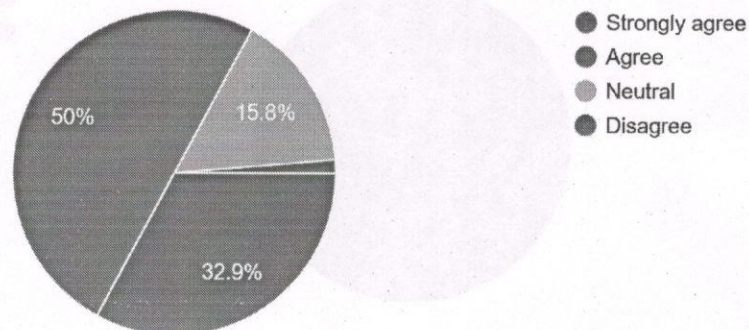
(CO2) Analyze the existing problems and find the solutions with respect to engineering materials, energy production and other natural resources.

146 responses



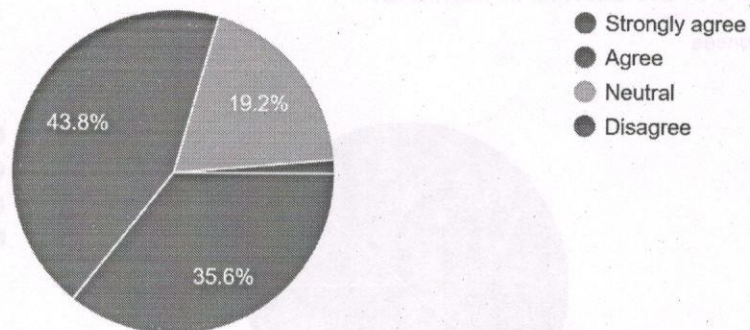
(CO3) Evaluate the various parameters that decide the performance and usage of materials and devices.

146 responses



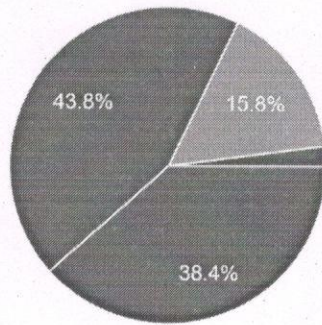
(CO4) Acquire technical competence in industries with respect to engineering chemistry.

146 responses



(CO5) Implement the alternative technologies and methods to exploit resources in an efficient way.

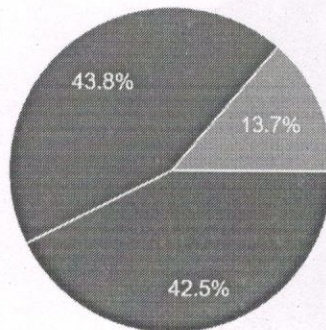
146 responses



- Strongly agree
- Agree
- Neutral
- Disagree

(CO6) Use advanced engineering materials in emerging trends.

146 responses



- Strongly agree
- Agree
- Neutral
- Disagree

[Handwritten Signature]
H.O.D. - CHEMISTRY
NEW HORIZON COLLEGE OF ENGINEERING
BANGALORE

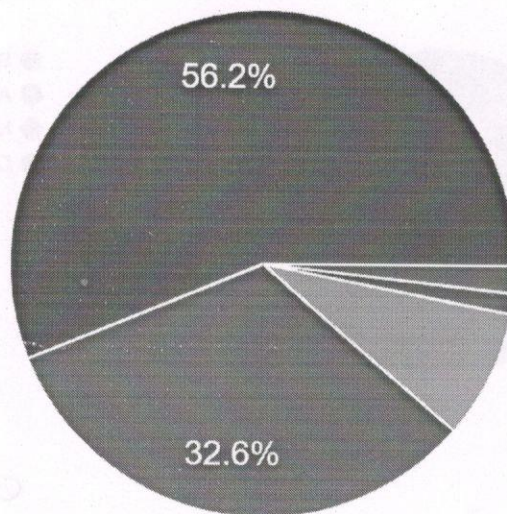
COURSE NAME: APPLIED MATHEMATICS-I

COURSE CODE: 19MAT11

The following points given in the questioners denotes

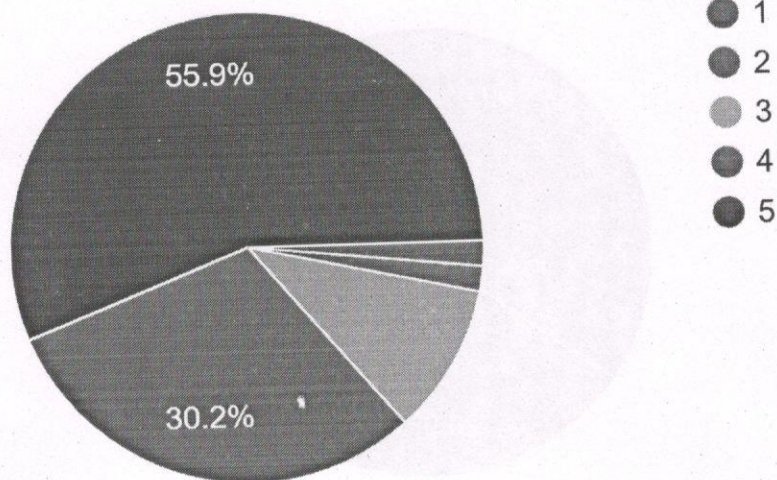
1. Needs Improvement
2. Satisfactory
3. Moderate
4. Good
5. Very good

Overall course content quality

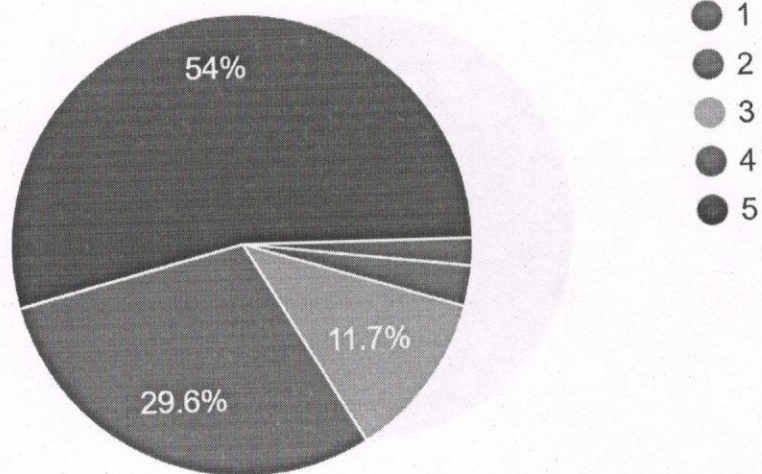


- 1
- 2
- 3
- 4
- 5

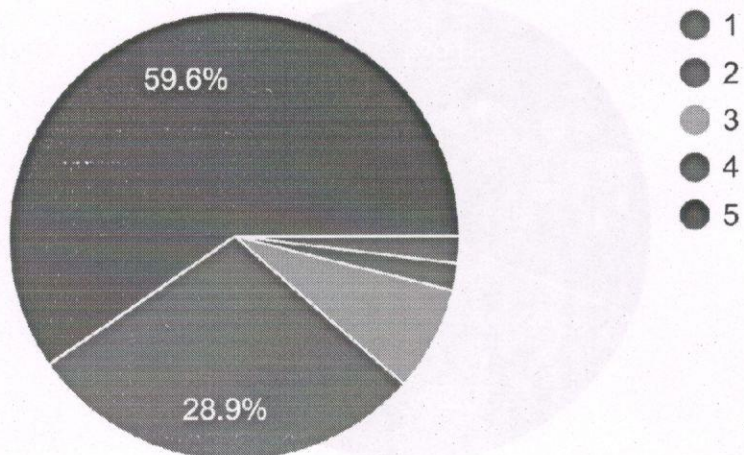
Course Outcomes (CO's) are well defined



The course is designed as per industry needs

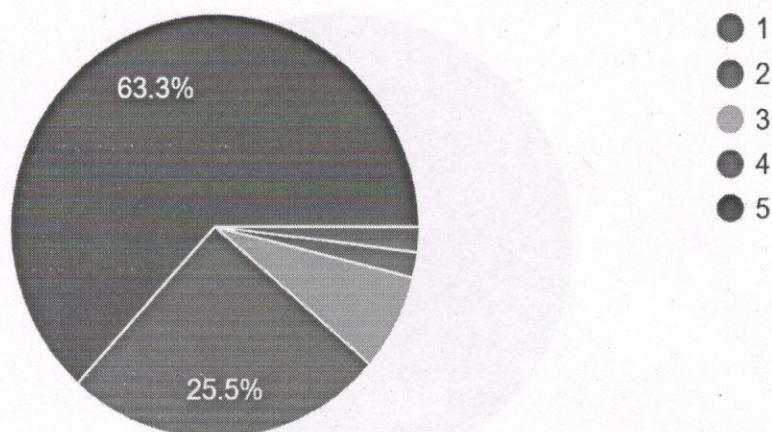


Lectures are well adoptable, organized and presented in a reasonable pace

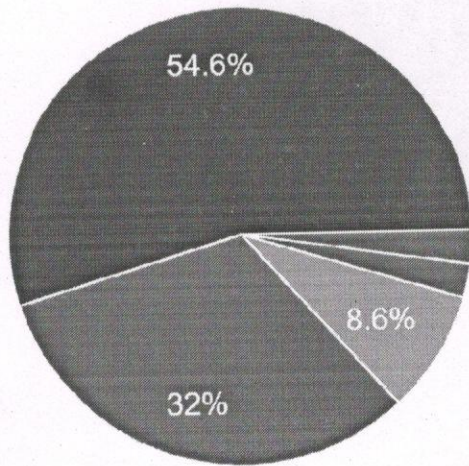


Activate Wind
Go to Settings to see

The assessment methods adopted (test, assignment and quiz) for the course are appropriate.

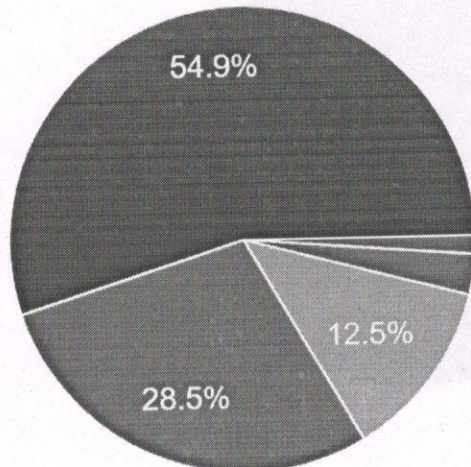


Understand the principles of engineering mathematics through calculus



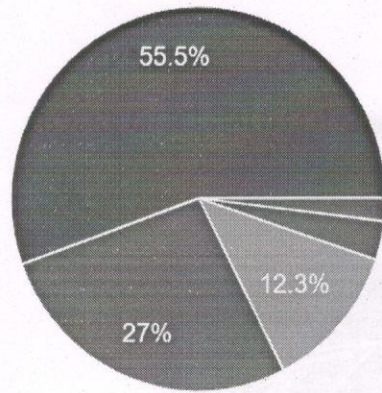
- 1
- 2
- 3
- 4
- 5

Calculate the extreme values of a function of two variables



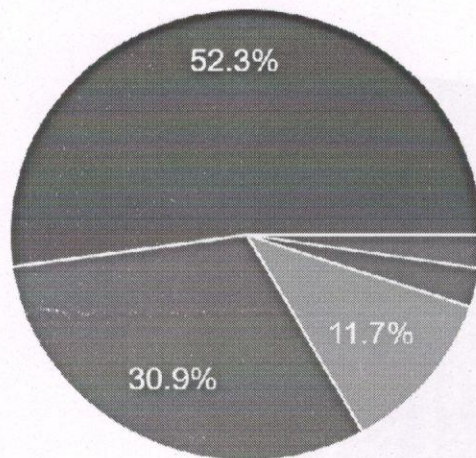
- 1
- 2
- 3
- 4
- 5

Apply the concepts of integration of functions of two/three variables over a region



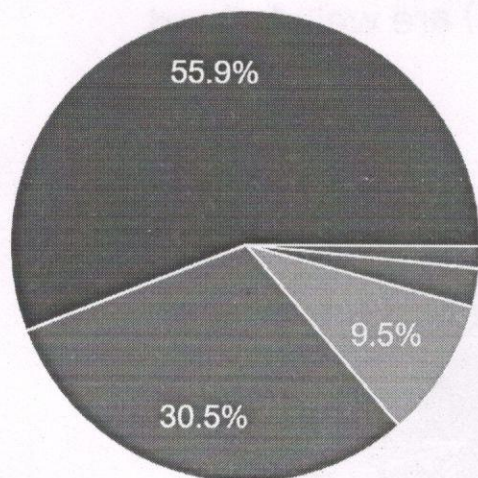
- 1
- 2
- 3
- 4
- 5

Develop the ability to construct mathematical models involving differential equations and interpret their solutions physically



- 1
- 2
- 3
- 4
- 5

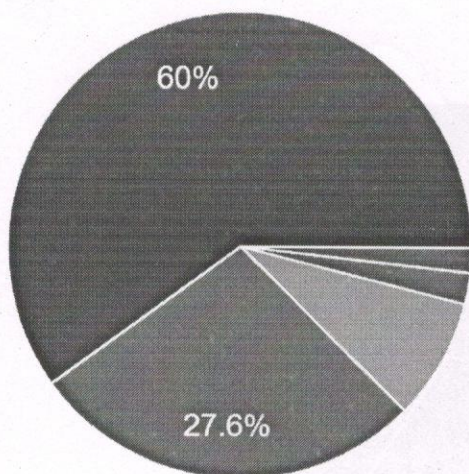
Apply ideas from linear algebra in solving systems of linear equations



- 1
- 2
- 3
- 4
- 5

Activate Wi
Go to Course 1

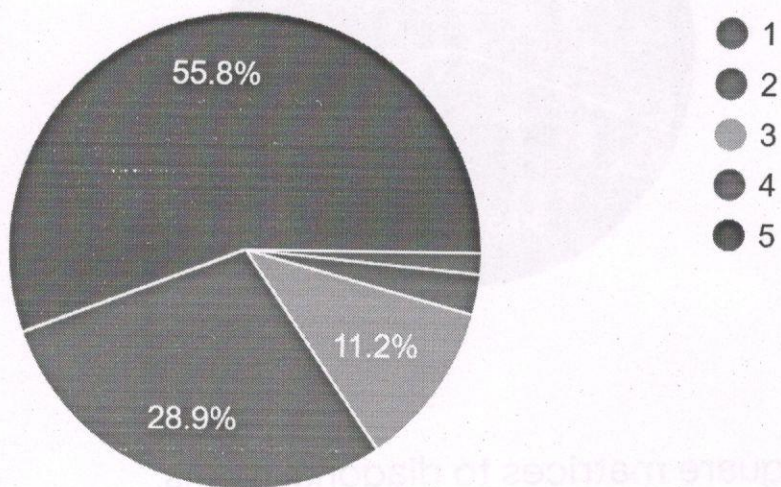
Reduce square matrices to diagonal forms.



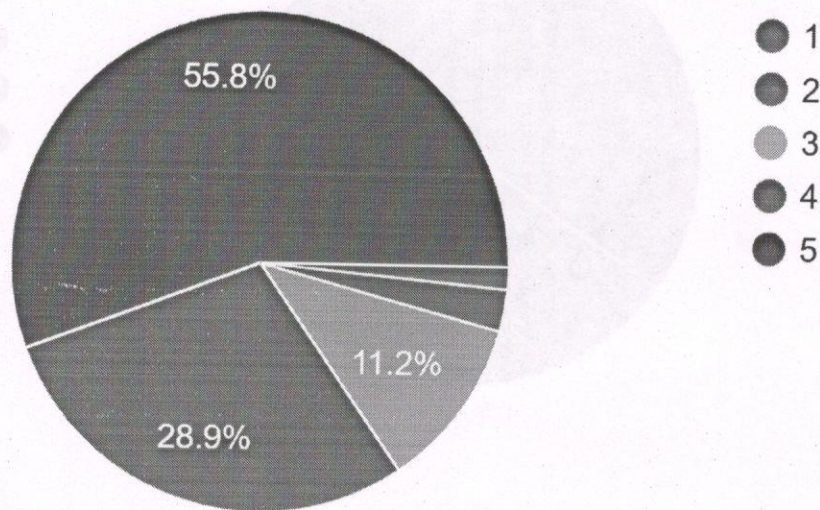
- 1
- 2
- 3
- 4
- 5

COURSE NAME: APPLIED MATHEMATICS-II
COURSE CODE: 19MAT21

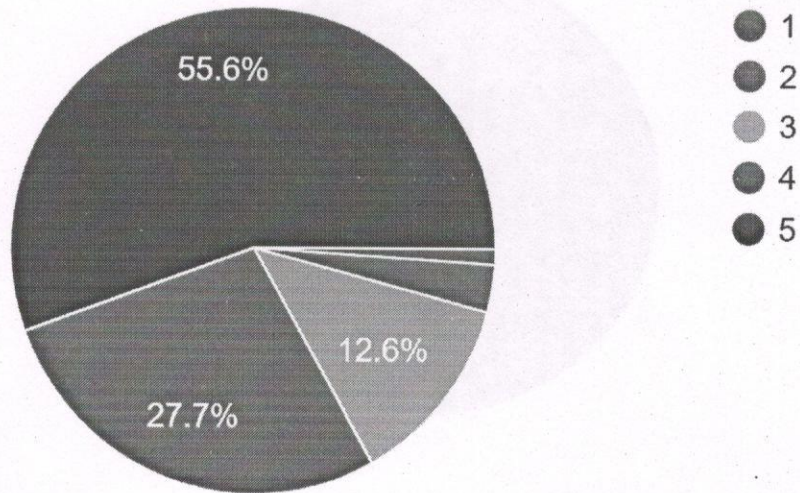
Course Outcomes (CO's) are well defined



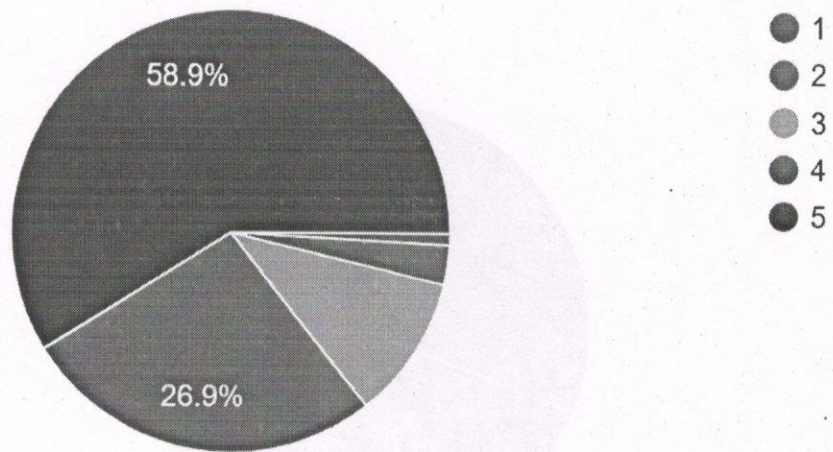
Course Outcomes (CO's) are well defined



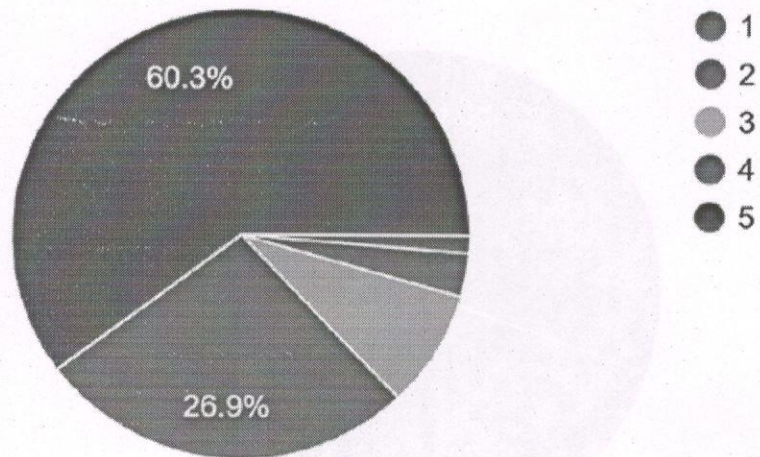
The course is designed as per industry needs



Lectures are well adoptable, organized and presented in a reasonable pace

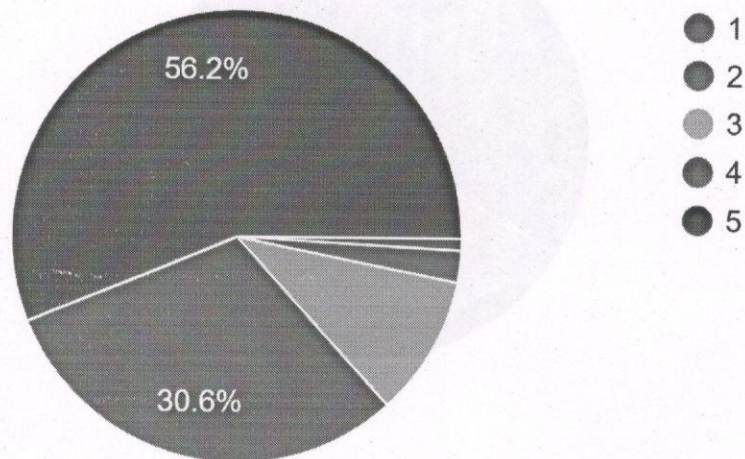


The assessment methods adopted (test, assignment and quiz) for the course are appropriate.

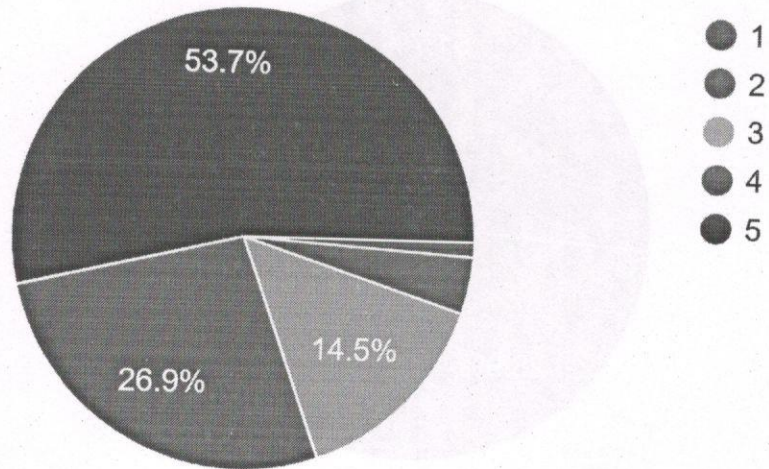


Activate Windows
Go to Settings to activate Windows.

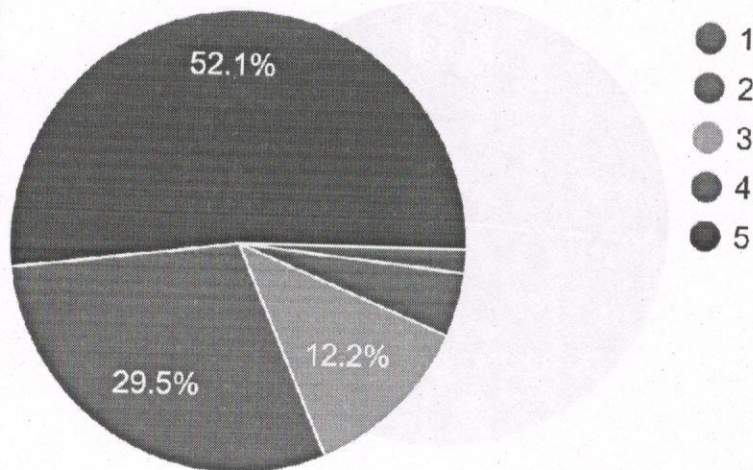
Understand linear differential equations and their applications



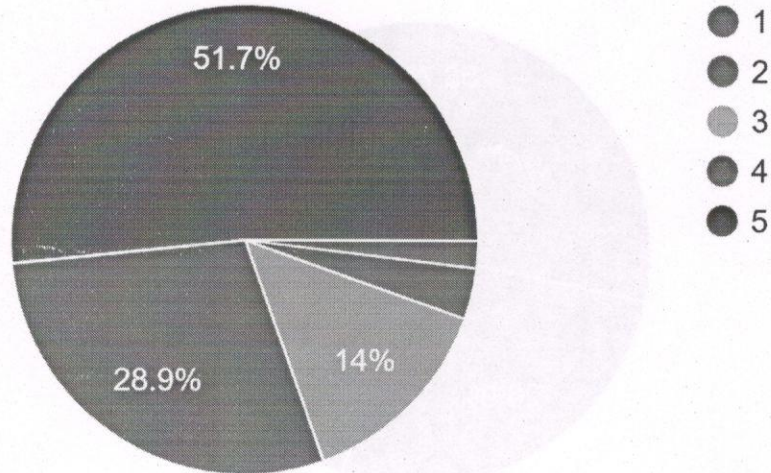
Formulate real world problems using partial differential equations



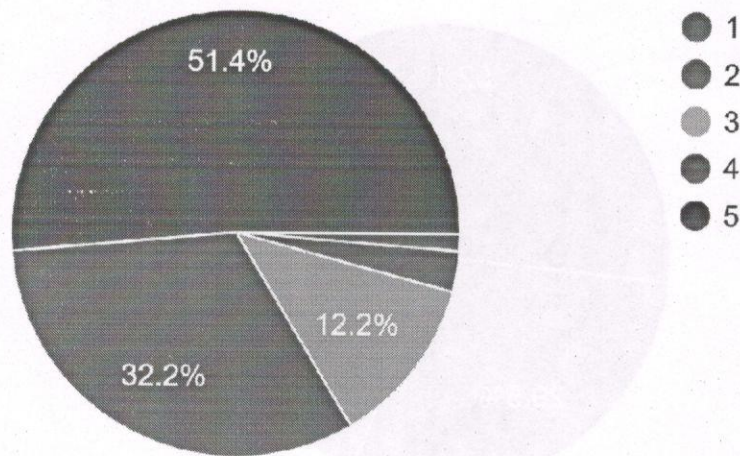
Applying the concept of vectors as a tool for solving engineering problems



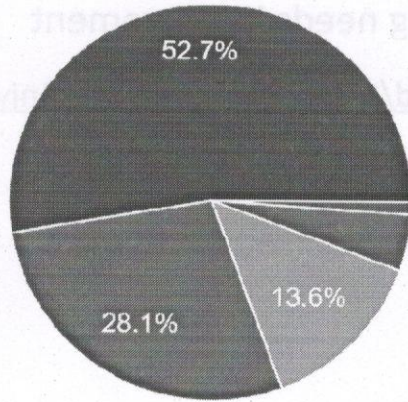
Describe the applications of infinite series



Apply the basic concepts of Laplace transforms to electrical circuit analysis

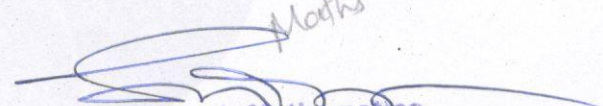


Solve initial and boundary value problems using Laplace transform and also find the response of the system using Laplace transform method



- 1
- 2
- 3
- 4
- 5

Activate Windows
Go to Settings to activate Windows.

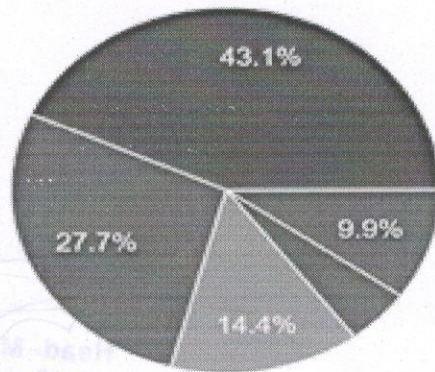
Maths

Head- Mathematics
Department of Basic Sciences & Humanities
New Horizon College of Engineering (Autonomous)
Bangalore-560103

Engineering Physics (Theory + Lab) Course Exit Survey -BSH- AY 2020-2021

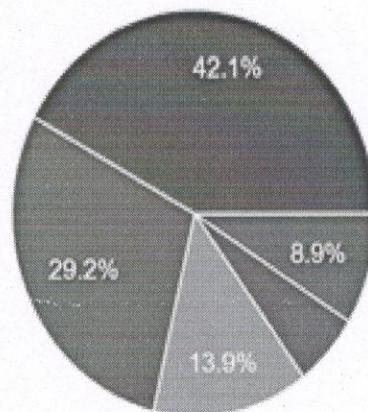
Please choose the scale from 5 to 1 for each questionnaire --- 5 being very well accomplished to 1 being needs improvement

URL:<https://docs.google.com/forms/d/1jXsvelMxErTgWDgei4njydiNhJ95ouD4DU5aTs10jK4/edit>

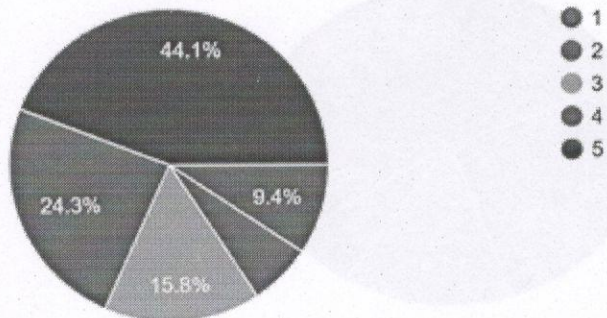
Overall course content quality



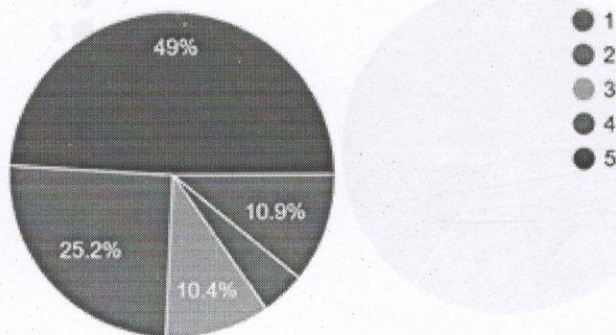
Course Outcomes (CO's) are well defined



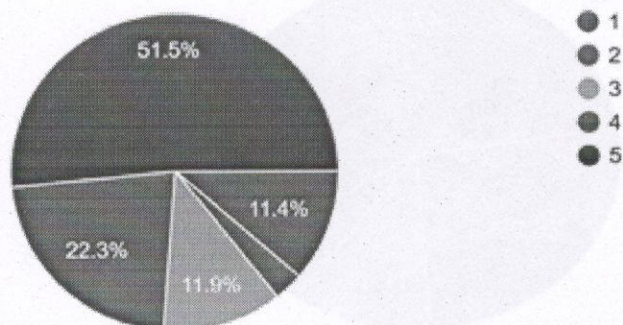
The course is designed as per industry needs



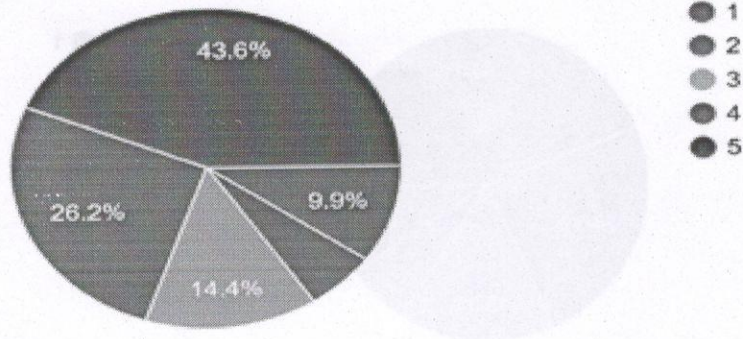
Lectures are well adoptable, organized and presented in a reasonable pace



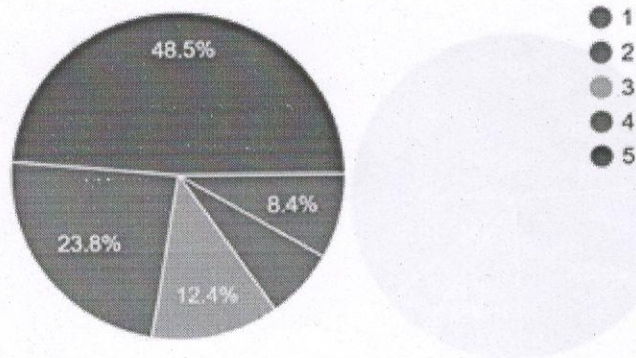
The assessment methods adopted (test, assignment and quiz) for the course are appropriate.



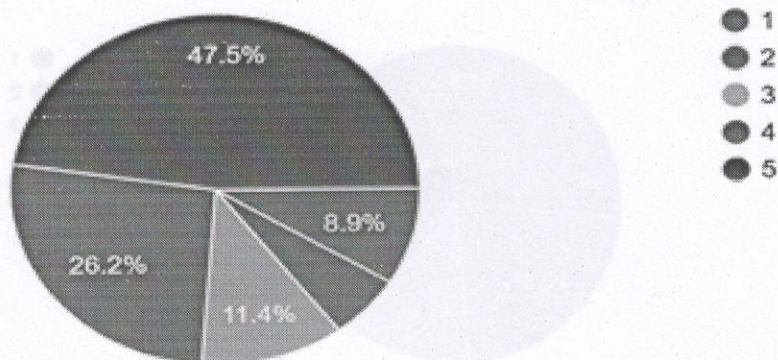
Understand the basic concepts of Quantum Mechanics



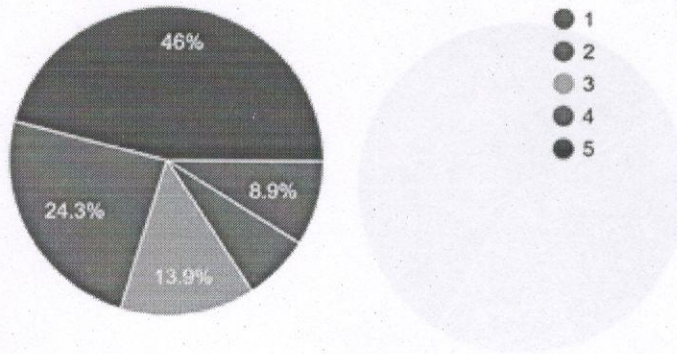
Well Apprehend basic concepts of dielectric and magnetic materials and their applications



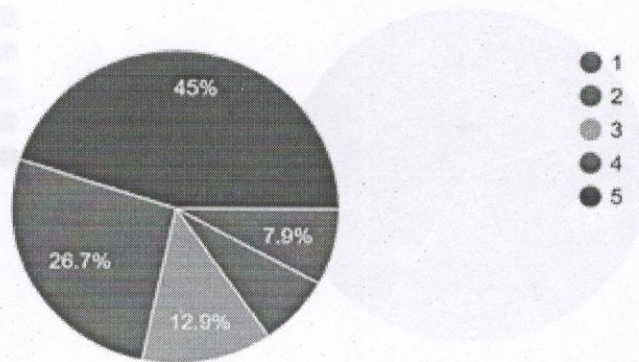
Apply Fundamental concepts of Lasers and Optical fibers



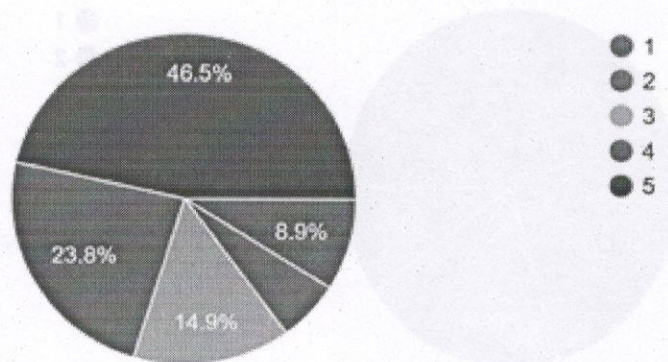
Comprehend the underlying principles of conducting and semiconducting materials for various applications.



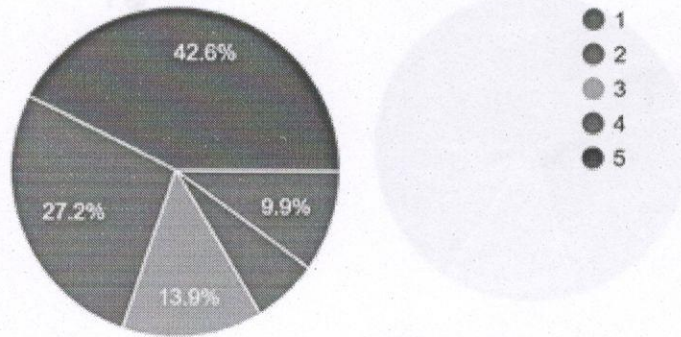
Comprehend my knowledge on Modern Engineering materials and material characterization techniques to apply in engineering trends



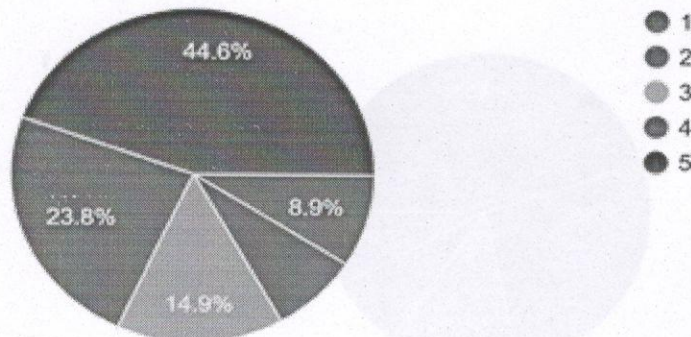
I have Acquired the ability to analyze, formulate and solve engineering physics problems.



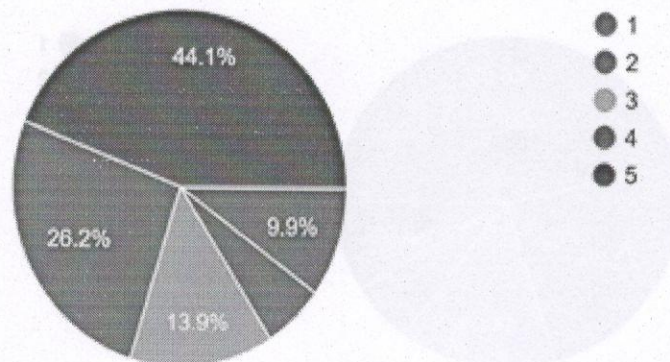
Apply scientific methods and make use of experimental methods to verify theoretical concepts through engineering lab.



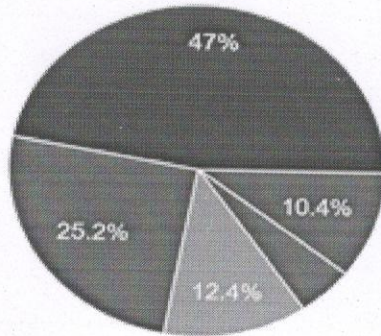
Apply analytical techniques and graphical analysis to the experimental data.



Gain practical knowledge by applying the experimental methods to correlate with the theory behind optics, dielectrics, magnetic and conducting and semiconducting materials.



Develop skills required for team work, technical communication and discussions.



- 1
- 2
- 3
- 4
- 5

Ravatha

H.O.D. - PHYSICS
NEW HORIZON COLLEGE OF ENGINEERING
BANGALORE