

**Prasad V. Potluri Siddhartha Institute of Technology**

**Department of Freshman Engineering**

**Changes in Mathematics course(s) syllabus (PVP14 & PVP19 comparison)**

**Department: ECE List of courses offered in PVP14:**

1. Engineering Mathematics -I  
Unit 1- First order differential equations, applications, Higher order differential equations with constant coefficients  
Unit 2- Differential calculus  
Unit 3- Multiple integrals  
Unit 4- Vector differentiation, Vector integration  
Unit 5- Curve fitting, Beta and Gamma functions
2. Engineering Mathematics -II  
Unit 1- Matrices and Linear systems of equations  
Unit 2- Eigen values - Eigen vectors  
Unit 3- Laplace transforms and Inverse Laplace transforms  
Unit 4- Fourier Series and Fourier transforms  
Unit 5- Z-transforms
3. Engineering Mathematics -III  
Unit 1- Solution Of Algebraic and Transcendental Equations , Interpolation.  
Unit 2- Numerical Solution Of Ordinary Differential Equations  
Unit 3- Functions of complex variables  
Unit 4. Complex Integration, singular points  
Unit 5. Residues, conformal mapping

**List of courses offered in PVP19:**

1. Engineering Mathematics -I(Calculus and Linear Algebra)  
Unit 1- Matrices  
Unit 2- Mean Value Theorems  
Unit 3- Multivariable Calculus  
Unit 4- Multiple Integrals I-Double integrals  
Unit 5- Multiple Integrals II- Triple integrals,
2. Engineering Mathematics -II(ODE,PDE and Multivariable Calculus)  
Unit 1- Linear Differential Equations of Higher Order  
Unit 2- Equations Reducible to Linear Differential Equations and Applications  
Unit 3- Partial Differential Equations  
Unit 4- Multivariable Calculus (Vector Differentiation)  
Unit 5- Multivariable Calculus (Vector Integration)
3. Engineering Mathematics-III(PDE, Complex Variables & Transform Techniques)  
Unit 1- Laplace Transforms & Inverse Laplace Transforms.  
Unit 2- Fourier Series



Unit 3- Fourier Transforms

Unit 4- Complex Variables

Unit 5- Applications of Partial Differential Equations

**List of topics removed from PVP19**

1. EM-I-Curve fitting, Beta and Gamma functions
2. EM-II-Z-transforms

**List of topics added in PVP19 when compared with PVP14**

1. EM-II-Equations Reducible to Linear Differential Equations and Applications
2. EM-III- Applications of Partial Differential Equations

**Percentage change in overall syllabus in PVP19 when compared with PVP14**

15%

Signature(s) of faculty

1. Dr. R. Chudamani
2. Dr. P. Padmaja
3. Mr. K. Kiran Kumar
4. Mrs. M. Pameela
5. Mr. G. Kiran Kumar
6. Dr. V. Seethamahalakshmi
7. Mr. A.C.S. Babu
8. Dr. V.S.N.Malleswari

Signature of HOD-FED

Head

Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 007.



**Prasad V. Potluri Siddhartha Institute of Technology**

**Department of Freshman Engineering**

**Changes in Mathematics course(s) syllabus (PVP19 & PVP20 comparison)**

**Department: ECE**

**List of courses offered in PVP19:**

1. Engineering Mathematics –I(Calculus and Linear Algebra)
  - Unit 1- Matrices
  - Unit 2- Mean Value Theorems
  - Unit 3- Multivariable Calculus
  - Unit 4- Multiple Integrals I-Double integrals
  - Unit 5- Multiple Integrals II- Triple integrals,
2. Engineering Mathematics –II(ODE,PDE and Multivariable Calculus)
  - Unit 1- Linear Differential Equations of Higher Order
  - Unit 2- Equations Reducible to Linear Differential Equations and Applications
  - Unit 3- Partial Differential Equations
  - Unit 4- Multivariable Calculus (Vector Differentiation)
  - Unit 5- Multivariable Calculus (Vector Integration)
3. Engineering Mathematics –III(PDE, Complex Variables & Transform Techniques)
  - Unit 1- Laplace Transforms & Inverse Laplace Transforms.
  - Unit 2- Fourier Series
  - Unit 3- Fourier Transforms
  - Unit 4- Complex Variables
  - Unit 5- Applications of Partial Differential Equations

**List of courses offered in PVP20:**

1. Calculus and Linear Algebra
  - Unit 1- Matrices-Linear System of Equations
  - Unit 2- Eigen values and Eigen Vectors
  - Unit 3- Mean Value Theorems
  - Unit 4- Multivariable Calculus
  - Unit 5- Multiple Integrals
2. Differential Equations and Vector Calculus
  - Unit 1- Ordinary Differential Equations of First order and First degree
  - Unit 2- Linear Differential Equations of Higher Order
  - Unit 3- Partial Differential Equations
  - Unit 4- Vector Differentiation
  - Unit 5- Vector Integration
3. Numerical methods and Complex variables
  - Unit 1- Solution of Algebraic and Transcendental equations . Interpolation.



Unit 2- Numerical differentiation, Integration, Solution of Ordinary Differential Equations

Unit 3- Functions of a complex variables.

Unit 4- Complex Integration.

Unit 5- Residues, Singular points.

**List of topics removed from PVP19**

EM-III-Laplace Transforms & Inverse Laplace Transforms, Fourier Series, Fourier Transforms, Applications of Partial Differential Equations

**List of topics added in PVP20 when compared with PVP19**

Numerical methods and Complex variables: Solution of Algebraic and Transcendental Equations, Interpolation, Numerical differentiation, Integration, Solution of Ordinary Differential

**Percentage change in overall syllabus in PVP20 when compared with PVP19**

15 %

Signature(s) of faculty

1. Dr. R. Chudamani
2. Dr. P. Padmaja
3. Mr. K. Kiran Kumar
4. Mrs. M. Pameela
5. Mr. G. Kiran Kumar
6. Dr. V. Seethamahalakshmi
7. Mr. A.C.S. Babu
8. Dr. V.S.N. Malleswari

Signature of HOD-FED

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**Prasad V. Potluri Siddhartha Institute of Technology**

**Department of Freshman Engineering**

**Criteria – 1, IQAC Data, A.Y.: 2020-21, B.Tech., I Year, PVP20 Regulations**


Name of the course	% change in syllabus	Name of the faculty who framed the syllabus	Signature of HoD, FED
Communicative English I	10%	Faculty of English	 Head Freshman Engineering Department PVP Siddhartha Institute of Technology Kanuru, VIJAYAWADA-520 007.
Calculus and Linear Algebra	20%	Faculty of Maths	
Applied Physics	10%	Faculty of Physics	
Communicative English I Lab	0%	Faculty of English	
Applied Physics Lab	0%	Faculty of Physics	
Communicative English II	10%	Faculty of English	
Differential Equations and Vector Calculus	20%	Faculty of Maths	
Chemistry of Materials	10%	Faculty of Chemistry	
Communicative English II Lab	0%	Faculty of English	
Chemistry of Materials Lab	0%	Faculty of Chemistry	
Life Sciences for Engineers	15%	Faculty of LS	
Engineering Chemistry	10%	Faculty of Chemistry	
Engineering Chemistry Lab	0%	Faculty of Chemistry	
Engineering Physics	10%	Faculty of Physics	
Engineering Physics Lab	0%	Faculty of Physics	
Probability and Statistics	10%	Faculty of Maths	



**Prasad V. Potluri Siddhartha Institute of Technology**

**Department of Freshman Engineering**

**Criteria – 1, IQAC Data, A.Y.: 2020-21, B.Tech., II Year, PVP19 Regulations**

Name of the course	% change in syllabus	Name of the faculty who framed the syllabus	Signature of HoD, FED
Engineering Mathematics III (Discrete Mathematical Structures)	100%	Faculty of Maths	 Head Freshman Engineering Department PVP Siddhartha Institute of Technology Kanuru, VIJAYAWADA-520 007.
Life Sciences for Engineers	New course	Faculty of LS	
Environmental Sciences	10%	Faculty of ES	
Life Sciences for Engineers Lab	New course	Faculty of LS	
Engineering Mathematics III (Complex Variables and Transform Techniques)	80%	Faculty of Maths	
Engineering Mathematics III (PDE, Complex Variables and Transform Techniques)	100%	Faculty of Maths	
Engineering Mathematics- IV (Numerical Methods, Probability and Statistics)	100%	Faculty of Maths	



Changes in Physics course(s) syllabus (PVP14 & PVP19 comparison)

**Department: Electronics & Communication Engineering**

**List of courses offered in PVP14:**

1. Engineering physics

**List of courses offered in PVP19:**

1. Engineering physics

**List of topics removed in PVP14**

1. **Unit-1: Quantum Physics:** Removed
2. **Unit-2: Crystal Structure & X-Ray Diffraction:** Removed
3. **Unit-3: Free Electron Theory:** Removed
4. **Unit-4: Semiconductors:** conductivity in intrinsic semiconductor
5. **Unit-5: Advanced Physics:**

**Lasers:** Characteristics of lasers: spontaneous and stimulated emission of radiation – population inversion – pumping – Ruby, Helium-Neon & Semiconductor lasers- Applications of lasers.






**Nanomaterials:** Introduction – Surface to volume ratio- Quantum confinement effect- properties and preparation of nanomaterial – nanotubes – SWNT- MWNT- Applications of nanomaterials.

**List of topics added in PVP19 when compared with PVP14**

1. **Electrostatic field:** Coulombs law and Gauss law, derivation of Coulombs law from Gauss law, applications of Gauss law (line charge, thin sheet of charge and solid charged sphere), Gauss law of electrostatics in dielectric medium, divergence and curl of electric fields, electric potential, relation between potential and force, Poisson's and Laplace equations.
2. **Magneto static field:** Biot-Savart law, divergence and curl of magnetic fields, Faraday's and Ampere's laws in integral and differential form, displacement current, continuity equation, Maxwell's equations
3. Importance of V- number, fiber optic sensors (Temperature, displacement and force), applications.
4. modes of propagation, classification of fibers, fiber optic communication, importance of V- number
5. Weiss theory of ferromagnetism (qualitative), domain theory,
6. Generation and recombination
7. Mechanism of conduction in intrinsic semiconductors
8. Hall effect and its applications, magnetoresistance, p-n junction layer formation and V-I characteristics, construction and working of photodiode, LED, solar cell

Percentage change in overall syllabus in PVP19 when compared with PVP14      **60%**

Signature(s) of faculty

1.   
2.   
3.   
4.   
5. 

  
Signature of HOD-FED  
Head

Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 007.



Changes in Physics course(s) syllabus (PVP14 & PVP19 comparison)

Department: Electronics & Communication Engineering

List of courses offered in PVP14:

1. Engineering physics & Chemistry Lab

List of courses offered in PVP19:

1. Engineering physics Lab

List of topics removed in PVP-14

1. Determine the rigidity modulus of the material of the wire using torsional Pendulum
2. Determine the velocity of sound by volume resonator method.
3. Determine the wavelength of a source by normal incidence method using diffraction grating
4. Determine the radius of curvature of a plano convex lens by forming Newton's Rings
5. Determine the refractive index of the material of the prism (minimum deviation method) using spectrometer.
6. Determine the time constant for a C-R circuit
7. Study of characteristic curves of a zener diode to determine its break down voltage
8. Draw the characteristic curves and determine thermoelectric coefficient of a Thermistor.
9. Determine the attenuation in the optical fibre

List of topics added in PVP19 when compared with PVP14






1. To Determine The Magnetic Susceptibility By Gouy's Method.
2. To Determine The Dielectric Constant Of A Substance By Resonance Method.
3. To Determine The Resistivity Of Semiconductor By Four Probe Method
4. To Determine The Hall Coefficient Using Hall Effect Experiment.
5. To Study The Characteristics Of Photo Diode
6. To Study The Characteristics Of PN Diode
7. To Study The Characteristics Of Solar Cell


Total syllabus framed is new.

Percentage change in overall syllabus in PVP19 when compared with PVP14

70%

Signature(s) of faculty

1.   
2.   
3.   
4.   
5. 

  
Signature of HOD-FED

Head  
Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
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**Changes in Physics course(s) syllabus (PVP19& PVP20 comparison)**

**Department: Electronics & Communication Engineering**

**List of courses offered in PVP19:**

1. Engineering Physics

**List of courses offered in PVP20:**

1. Engineering Physics

**List of topics removed in PVP19**

1. Importance of V- number.
2. Weiss theory of ferromagnetism (qualitative)
3. Magnetoresistance.

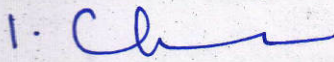
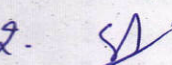
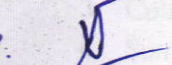

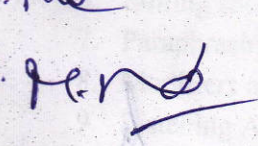
**List of topics added in PVP20 when compared with PVP19**

NIL

**Percentage change in syllabus in PVP20 when compared with PVP19**

5 %

**Signature(s) of faculty**

1.   
2.   
3.   
4.   
5. 

**Signature of HOD-FED**

**Head**

Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 007.



Changes in Physics course(s) syllabus (PVP19& PVP20 comparison)

Department: Electronics & Communication Engineering

List of courses offered in PVP19:

1. Engineering physics Lab

List of courses offered in PVP20:

1. Engineering physics Lab

List of topics removed in PVP19

Nil

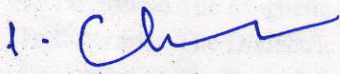


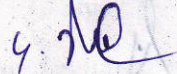
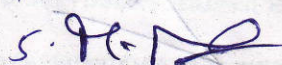
List of topics added in PVP20 when compared with PVP19

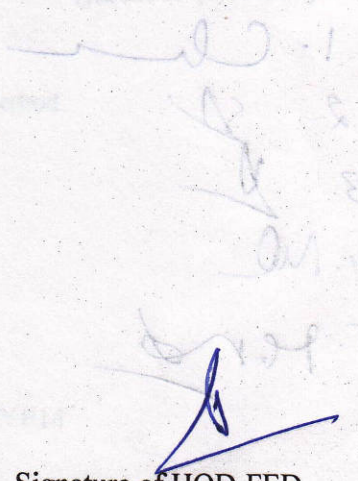
Nil

Percentage change in syllabus in PVP20 when compared with PVP19

0%

Signature(s) of faculty

1. 
2. 
3. 
4. 
5. 

  
Signature of HOD-FED

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**Prasad V. Potluri Siddhartha Institute of Technology**

**Department of Freshman Engineering**

**Changes in English course(s) syllabus (PVP14 & PVP19 comparison)**

**(Common to all Branches)**

List of courses offered in PVP14:

1. English For Communication
2. English Language Communication Skills Lab

List of courses offered in PVP19:

1. Communicative English 1 & 2
2. Communicative English Lab 1 & 2

List of topics removed from PVP14:

1. Unity of minds --- Abdul Kalam.
2. 'Next Sunday' --- R.K. Narayan
3. The cop and the anthem' --- O. Henry
4. Three Questions' ---- Leo Tolstoy
5. Kalpana Chawla ----- Biographical sketch
6. Phonetics

List of topics added in PVP19 when compared with PVP14

1. Content words and function words; Word forms
2. Paragraph writing
3. Cohesive devices - linkers, sign posts and transition signals
4. Summarizing
5. Essay writing
6. Editing short texts
7. Paraphrasing
8. Modifiers and misplaced modifiers
9. Listening Activity

Percentage change in overall syllabus in PVP19 when compared with PVP14:

20%

Signature (s) of faculty -

1. N. Rudhama Devi
2. A. Ramesh
3. A. Ramesh
4. A. Ramesh
5. A. Ramesh
6. A. Ramesh
7. A. Ramesh

Signature of HoD-FED

Head

Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 007.



**Prasad V. Potluri Siddhartha Institute of Technology**

**Department of Freshman Engineering**

**Changes in English course(s) syllabus (PVP19 & PVP20 comparison)**

**(Common to all Branches)**

**List of courses offered in PVP19:**

1. Communicative English 1 & 2
2. Communicative English Lab 1& 2

**List of courses offered in PVP20:**

1. Communicative English 1 & 2
2. Communicative English Lab 1& 2

**List of topics removed from PVP19:**

1. —
2. —

**List of topics added in PVP20 when compared with PVP19**

1. Idiomatic Expressions
2. Précis Writing
3. One-word Substitutes
4. Jumbled sentences

**Percentage change in syllabus in PVP20 when compared with PVP19**

20%

**Signature(s) of faculty**

1. H. Rudhama Devi
2. D. P. ...
3. A. S. K.
4. ...
5. ...
6. ...
7. ...

**Signature of HoD-FED**

**Head**

Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 007.



**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF FRESHMAN ENGINEERING**

**Changes in Chemistry course(s) syllabus (PVP19 & PVP20 comparison)**

**Department: ELECTRONICS AND COMMUNICATION ENGINEERING**

**List of courses offered in PVP19:**

1. Engineering Chemistry

**List of courses offered in PVP20:**

1. Engineering Chemistry

**List of topics removed in PVP19**

**UNIT-V**

1. Molecular machines & Molecular switches: Rotaxanes and Catenanes as artificial molecular machines;  
Molecular switches – cyclodextrin-based switches

List of topics added in PVP20 when compared with PVP19

**List of topics added in PVP20 when compared with PVP19**

No new topic added in PVP20 Syllabus.

**Percentage change in syllabus in PVP20 when compared with PVP19**

< 5%

**Signature(s) of faculty**

① N. V. Krishna

② R. V. S. Ravi

③ R. V. S. Ravi

④ R. V. S. Ravi

**Signature of HOD-FED**

**Head**  
Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 007.



**List of courses offered in PVP19:**

1. Engineering Chemistry Lab

**List of courses offered in PVP20:**

1. Engineering Chemistry Lab

**List of topics removed in PVP19**

No Experiments are removed

**List of topics added in PVP20 when compared with PVP19**

No new Experiments added in PVP20 Syllabus.

**Percentage change in syllabus in PVP20 when compared with PVP19**

0 %

Signature(s) of faculty

① N. V. S. R.  
② T. S. S.  
③ P. S. S.  
④ P. S. S.

Signature of HOD-FED

Head  
Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 007.



**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF FRESHMAN ENGINEERING**  
**Changes in Chemistry course(s) syllabus (PVP14 & PVP19 comparison)**

**Department: ELECTRONICS AND COMMUNICATION ENGINEERING**

List of courses offered in PVP14:

1. Engineering Chemistry

**List of courses offered in PVP19:**

1. Engineering Chemistry

**List of topics removed in PVP14**

UNIT-I

1. Water Technology

UNIT-II

Types Of Polymers (Addition and Condensation)

1. Mechanism of Addition Polymerization (Free Radical, Ionic)
2. Classification - Stereospecific Polymers
3. ZieglerNatta Catalysis , Biodegradable Polymers
4. Properties of Polymers ,Conducting Polymers-Engineering Applications
5. Individual Polymers (Preparation, Properties,Uses Of PVC, PTFE, Bakelite's, Cellulose Derivatives, Poly-Carbonates).
6. Compounding Of Plastics
7. Moulding(Injection, Compression, Blow Film Extrusion And Extrusion Moulding)- Fiber Reinforced Plastics (Glass And Carbon) – Bullet Proof Plastics– Properties Of Plastics – Engineering Applications.

UNIT-III

1. Green Chemistry & Nano Materials

UNIT-IV

1. Corrosion

UNIT-V

1. Semi-Conductors, Super-Conductivity And Liquid Crystals, solarreflection & greenhouse concepts.

**List of topics added in PVP19 when compared with PVP14**

UNIT-I

1. Electrochemical Energy Systems

UNIT-II

1. Battery Technology

UNIT-III

1. Renewable Sources Of Energy -

Physical And Chemical Properties Of Silicon- Production Of Solar Grade Silicon From Quartz - Doping Of Silicon- P And N Type Semi Conductors- Manufacturing Of Photovoltaic Cells Using Chemical Vapor Deposition Technique.

UNIT-IV

1. Metal Finishing

UNIT-V

1.Polymers: Preparation, Properties And Uses Of Polyphosphazines.

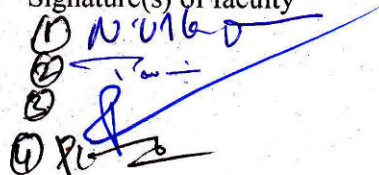
2.Nanomaterials: Chemical Synthesis Of Nanomaterials: Sol-Gel Method. Characterization: Principle And Applications Of Scanning Electron Microscope (Sem) And Transmission Electron Microscope (Tem).

3.Molecular Machines & Molecular Switches: Rotaxanes And Catenanes As Artificial Molecular Machines; Molecular Switches – Cyclodextrin-Based Switches

**Percentage change in overall syllabus in PVP19 when compared with PVP14**

95 %

Signature(s) of faculty



Signature of HOD-FED

Head

Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 007.



**DEPARTMENT: ELECTRICAL AND COMMUNICATION ENGINEERING**

**List of courses offered in PVP14:**

1. Engineering Chemistry Lab

**List of courses offered in PVP19:**

1. Engineering Chemistry Lab

**List of topics removed in PVP14**

1. Determination of Total Hardness of water sample using EDTA.
- 2) Determination of Total alkalinity of water sample.
- 3) Determination of D.O. in water.
- 4) Measurement of Turbidity of water sample.
- 5) PH of Soil and fruits.

**List of topics added in PVP19 when compared with PVP14**

- 1.Determination of strength of an acid by pH metric method
- 2.Determination of conductance by Conducto-metric method
- 3.Determination of viscosity of a liquid
- 4.Determination of surface tension of a liquid
- 5.Determination of chromium (VI) in potassium dichromate
- 6.Determination of Zinc by EDTA method
- 7.Estimation of active chlorine content in Bleaching powder
- 8.Preparation of Urea-Formaldehyde resin
- 9.Thin layer chromatography(paper chromatography)

**Percentage change in overall syllabus in PVP19 when compared with PVP14**

90 %

Signature(s) of faculty

① N. V. S. Rao  
② S. V. Rao  
③ S. V. Rao  
④ S. V. Rao

Signature of HOD-FED

**Head**  
Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 007.



**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF FRESHMAN ENGINEERING**

**Changes in Environmental Sciences Course(s) Syllabus (PVP19 & PVP20 comparison)**

**Department: Electronics And Communication Engineering**

**List of courses offered in PVP19:**

1. Environmental Sciences

**List of courses offered in PVP20:**

1. Environmental Sciences

**List of topics removed in PVP19**

No changes in topics



**List of topics added in PVP20 when compared with PVP19**

No new topic added in PVP20 Syllabus.

**Percentage change in syllabus in PVP20 when compared with PVP19**

0%

Signature(s) of faculty



Signature of HOD-FED

Head

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Kanuru, VIJAYAWADA-520 007.



**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF FRESHMAN ENGINEERING**

**Changes in Environmental Sciences Course(s) Syllabus (PVP14 & PVP19 comparison)**

**Department: Electrical & Communication Engineering**

**List of courses offered in PVP14:**

1. Environmental Studies

**List of courses offered in PVP19:**

1. Environmental Sciences

**List of topics removed in PVP19**

**UNIT-II**

1. Ecosystem values, Services and carrying capacity.

**UNIT-V**

1. Field work: Visit to a local area to document environmental assets River /forest grassland/hill/mountain-Visit to a local polluted site Urban/Rural/industrial/ Agricultural Study of common plants, insects, birds. -Study of simple ecosystems pond, river, hill slopes, etc.

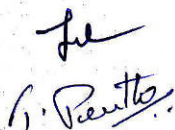
**List of topics added in PVP19 when compared with PVP14**

No new topic added in PVP19 Syllabus.

**Percentage change in syllabus in PVP19 when compared with PVP14**

12%

Signature(s) of faculty



Signature of HOD-FED



Head  
Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 097.



**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF FRESHMAN ENGINEERING**

**Changes in Life Sciences for Engineers Course(s) Syllabus PVP19-PVP20 comparison)**

**Department: Electrical and Communication Engineering**

**List of courses offered in PVP19:**

1. Life Sciences for Engineers
2. Life Sciences for Engineers Lab

**List of courses offered in PVP20:**

1. Life Sciences for Engineers (Lab Included in Theory)

**List of topics removed in PVP20**

**UNIT-I**

1. Classification on the basis of carbon and energy sources

**UNIT-III**

1. Human physiology.

**UNIT-IV**

1. Mitosis and Meiosis
2. Genetic code.

**List of topics added in PVP20 when compared with PVP19**

No new topic added in PVP20 Syllabus.

**Percentage change in syllabus in PVP19 when compared with PVP14**

**10%**

Signature(s) of faculty

*M. Anurag*  
*A. R. R. R.*  
*Se*

Signature of HOD-FED  
**Head**

Freshman Engineering Department  
PVP Siddhartha Institute of Technology  
Kanuru, VIJAYAWADA-520 097.




**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY  
(AUTONOMOUS)  
KANURU, VIJAYAWADA – 520 007**

**ACADEMIC COUNCIL MEETING on 29-06-2021 at 04:00 PM**

**AGENDA**

1. To approve the Minutes of previous Academic Council meeting held on 21/11/2020.
2. To review and approve the BOS Minutes of various Programmes.
3. To discuss and approve III & IV B.Tech. Syllabus of PVP19 Regulations.
4. To discuss and approve M.B.A. PVP21 Regulations and Course structure.
5. To permit and conduct second semester internal examinations of B.Tech/ MBA/M.Tech. students in online/offline as per UGC Guidelines.
6. To review and approve all UG and PG Regular and Supplementary results of examinations held from October, 2020 to April, 2021.
7. To review faculty achievements from December, 2020 to May, 2021.
8. To review the abstract data of students eligible for obtaining PC.
9. To review and approve document retention Policy.
10. To review and approve Award of Degree and class for PVP20 regulations.
11. To review and approve CGPA to Percentage conversion factor for PVP20 regulations.
12. Any other item with the permission of the Chair.

  
**PRINCIPAL  
PRASAD V. POTLURI  
SIDDHARTHA INSTITUTE OF TECHNOLOGY  
KANURU, VIJAYAWADA-520 007**



**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY  
(AUTONOMOUS)  
KANURU, VIJAYAWADA – 520 007**

**18<sup>th</sup> ACADEMIC COUNCIL MEETING held on 29-06-2021 at 04:00 PM**


**Minutes of Academic Council meeting of Prasad V Potluri Siddhartha Institute of Technology, Kanuru, Vijayawada held on 29-06-2021 at 04:00 P.M. in Online mode through Google Meet.**

**Members Present:**

1. Dr K. Sivaji Babu, Principal, Chairman
2. Dr K. Ramesh, HOD, CE
3. Dr A. Jayalakshmi, HOD, CSE
4. Dr B.V. Subba Rao, HOD, IT
5. Dr P. Rajesh Kumar, HOD ECE
6. Dr M. Venugopala Rao, HOD, EEE
7. Dr B. Raghu Kumar, HOD, ME
8. Dr P. Adi Lakshmi, HOD, MBA
9. Dr Ch. Padmanabha Raju, HOD, FED
10. Dr M.S.R. Niranjan Kumar, Controller of Exams, Member Secretary
11. Dr J.Rajendra Prasad, Professor, IT
12. Dr M.V.Rama Krishna, Professor, CSE
13. Dr C. Subba Rao, Professor, ECE
14. Dr V. SeethaMahalakshmi, Asst. Prof, FED
15. Prof. N. Siva Prasad, Pro VC, GITAM, Hyderabad (External Expert)
16. Dr R. Srinivasa Rao , Director, Academics & Planning, JNTU, Kakinada (University Nominee)
17. Dr L. Sumalatha, Director of Evaluation, JNTU, Kakinada (University Nominee)
18. Dr J.V.R. Murthy, Professor, Director-IC, JNTU, Kakinada (University Nominee)
19. Dr Ch. Divakar Babu, Principal, Smt. Velagapudi Durgamba Siddhartha Law College, Kanuru, Vijayawada-7 (External Expert)
20. Sri Srikanth Surampudi, Head, HR-Initial Learning Program, TCS (External Expert)
21. Sri J.S.R.K. Prasad, CEO, Better Castings, Vijayawada (External Expert)
22. Dr A. Purnachandra Rao, Associate Professor, FED
23. Mrs. K. Anitha, Associate Professor, ECE

**Members Absent:**

1. Dr C.V. Raghavendra Rao, Medical Officer, PVPSIT (External Expert)


  
**PRINCIPAL  
PRASAD V. POTLURI  
SIDDHARTHA INSTITUTE OF TECHNOLOGY  
KANURU, VIJAYAWADA-520 007**



**Resolutions:**

- 18.1 The Academic Council has approved the minutes of Previous Academic Council meeting held on 21-11-2020.
- 18.2 The Academic Council has reviewed and approved the BOS Minutes of various Programmes.
- 18.3 The Academic Council has discussed and approved III & IV B.Tech. Syllabus of PVP19 Regulations.
- 18.4 The Academic Council has discussed and approved M.B.A. PVP21 Regulations and Course structure.
- 18.5 The Academic Council has advised to conduct second semester internal examinations of B.Tech/MBA/M.Tech. students in offline mode as per the schedule given by JNTUK.
- 18.6 The Academic Council has approved and ratified the results of the following Examinations held from October, 2020 to March, 2021.

I B. Tech – II Semester (PVP19) Regular Examinations – November-2020  
I B. Tech – II Semester (PVP14) Regular Examinations – November-2020  
IV B. Tech – I Semester (PVP14) Regular Examinations – March-2021  
III B. Tech – I Semester (PVP14) Regular Examinations – March-2021  
II B. Tech – I Semester (PVP14) Regular Examinations – March-2021  
II B. Tech – I Semester (PVP19) Regular Examinations – March-2021  
I MBA – II Semester (PVP17) Regular Examinations – October-2020  
I M.Tech – II Semester (PVP17) Regular Examinations – October-2020  
II MBA – I Semester (PVP17) Regular Examinations – March-2021  
II M.Tech – I Semester (PVP17) Regular Examinations – March-2021  
I B. Tech – II Semester (PVP14) Supplementary Examinations – November-2020  
I B. Tech – I Semester (PVP14, PVP19) Supplementary Examinations – November-2020  
IV B. Tech – I Semester (PVP14, PVP12) Supplementary Examinations – March-2021  
III B. Tech – II Semester (PVP14, PVP12) Supplementary Examinations – March-2021  
III B. Tech – I Semester (PVP14, PVP12) Supplementary Examinations – March-2021  
II B. Tech – II Semester (PVP14, PVP12) Supplementary Examinations – March-2021

  
PRINCIPAL  
PRASAD V. POTLURI  
SIDDHARTHA INSTITUTE OF TECHNOLOGY  
KANURU, VIJAYAWADA-520 007



II B. Tech – I Semester (PVP14, PVP12) Supplementary Examinations – March-2021

I B. Tech – II Semester (PVP19, PVP14, PVP12) Supplementary Examinations – March-2021

I B. Tech – I Semester (PVP19, PVP14, PVP12) Supplementary Examinations – March-2021

I M. Tech – II Semester (PVP17) Supplementary Examinations – October-2020

II MBA – I Semester (PVP17) Supplementary Examinations – March-2021

I MCA – I Semester (PVP12) Supplementary Examinations – March-2021

18.7 The Academic Council has gone through faculty contributions like Patents filed, granted and published, Ph.Ds awarded, and papers published in SCOPUS/SCI journals during the period December, 2020 to May, 2021.

18.8 The Academic Council has reviewed and permitted for submitting the data to the University of the students who have fulfilled their academic requirements for obtaining PC in the above said Regular/ Supplementary Examinations. The summary of the students eligible for PC are:

B.Tech (PVP14 Regulations) – 46 Students

B.Tech (PVP12 Regulations) - 2 Students

MBA (PVP17 Regulations) – 2 Students

MCA (PVP12 Regulations) – 1 Student

18.9 The Academic Council has reviewed and approved document retention Policy.

18.10 The Academic Council has approved and ratified the Award of Division for PVP20 Regulations as shown below:

**Award of Division for B.TECH (PVP20 Regulations)**

CGPA	DIVISION	Remarks
$\geq 7.75$ (without any Supplementary appearance)	FIRST CLASS WITH DISTINCTION	From the CGPA secured from 160 credits
$\geq 6.75$ - $< 7.75$	FIRST CLASS	
$\geq 5.75$ - $< 6.75$	SECOND CLASS	
$\geq 5.0$ - $< 5.75$	PASS CLASS	
$< 5.0$	FAIL	

PRINCIPAL

PRASAD V. POTLURI


SIDDHARTHA INSTITUTE OF TECHNOLOGY



18.11 The Academic Council has approved and ratified the following CGPA to percentage conversion factor for PVP20 regulations.

$$\text{Equivalent Percentage} = (\text{CGPA} - 0.75) \times 10$$

**The meeting ended with vote of thanks by the chairman.**

  
PRINCIPAL  
PRASAD V. POTLURI  
SIDDHARTHA INSTITUTE OF TECHNOLOGY  
KANURU, VIJAYAWADA-520 007



Date: 29/06/2021

Minutes of the meeting of the Academic Council of Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada - 7 held on 29/06/2021 at 4:00 PM in online Mode through Google Meet.

Members Present

Signature

I. Principal of the college

1-1 Dr K. Sivaji Babu



II Heads of the Dept. of the college

2.1 Dr K. Ramesh, HoD-CG Attended through online

2.2 Dr A. Jaya Lakshmi, HoD-CSE Attended through online

2.3 Dr B.V. Subba Rao, HoD-IT Attended through online

2.4 Dr P. Rajesh Kumar, HoD-ECE Attended through online

2.5 Dr M. Venugopala Rao, HoD-EEG Attended through online

2.6 Dr B. Raghav Kumar, HoD-Mech Attended through online

2.7 Dr Ch. Padmanabha Raju, HoD-FED Attended through online

2.8 Dr P. Adilakshmi, HoD-MBA Attended through online



### III Teachers from the college

Signature

- 3-1 Dr J. Rajendra Prasad, Prof, IT Attended through online
- 3-2 Dr M.V. Rama Krishna, Prof, CSE Attended through online
- 3-3 Dr C. Subba Rao, Prof, ECE Attended through online
- 3-4 Dr V. Seetha Mahalakshmi, Asst Prof, Attended through online  
FED

### IV Experts from outside the college

- 4-1 Sri Srikanth Surampudi  
TCS, Hyderabad Attended through online
- 4-2 Dr. N. Siva Prasad  
Pro VC, GITAM university  
Hyderabad Attended through online
- 4-3 Sri Jammula SRK Prasad  
CEO, BetterCasting  
Vijayawada Attended through online
- 4-4 Dr Ch. Divakar Babu  
Principal, VR Siddhartha Law College Attended through online
- 4-5 Dr C.V. Raghavendra Rao  
Medical officer Absent



## V University Nominees

Signature

S.1 Dr R. Srinivasa Rao  
Director, Academics & Planning  
JNTUK, Kakinada

Attended through online

S.2 Dr L. Sumalatha  
Director of Evaluation  
JNTUK, Kakinada

Attended through online

S.3 Dr JVR Murthy  
Director Incubation & IPR  
JNTUK, Kakinada

Attended through online

## VI Member Secretary

Dr MSR Niranjan Kumar  
Controller of Examinations  
PVPSIT

Attended through online

Dr A. Purnachandra Rao  
Assoc. Prof, FED

Attended through online

Mrs K. Anitha  
Assoc. Prof, ECE

Attended through online



**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY  
(AUTONOMOUS)  
KANURU, VIJAYAWADA - 520 007**

**ACADEMIC COUNCIL MEETING on 21-11-2020 at 11:00 AM**

**AGENDA**

1. To approve the Minutes of previous Academic Council meeting held on 20/07/2020.
2. To review and approve the Minutes of common BOS meeting held on 18/11/2020.
3. To review and approve PVP20 Academic Regulations.
4. To discuss and approve I B.Tech. Course structure and Syllabus of PVP20 Regulations.
5. To discuss the possibility of starting a new undergraduate program B.Tech CSE (AI & ML).
6. To discuss and permit the closure of M.Tech program in CSE & EEE branches.
7. To permit and conduct first semester internal examinations of B.Tech/ MBA/M.Tech students in online/offline as per UGC Guidelines.
8. To review and approve the results of II B.Tech II Sem/ II MBA II Sem/II M.Tech II Sem/ All Supplementary examinations held from July 2020 to October 2020.
9. To review faculty achievements from July 2020 to November 2020.
10. Any other item with the permission of the Chair.



**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY  
(AUTONOMOUS)  
KANURU, VIJAYAWADA – 520 007**

**17<sup>th</sup> ACADEMIC COUNCIL MEETING held on 21-11-2020 at 11:30 AM**

**Minutes of the meeting of Academic Council of Prasad V Potluri Siddhartha Institute of Technology, Kanuru, Vijayawada held on 21-11-2020 at 11:30 A.M. in online mode through Google Meet.**

**Members Present:**

1. Dr K. Sivaji Babu, Principal, Chairman
2. Dr K. Ramesh, HOD, CE
3. Dr A. Jayalakshmi, HOD, CSE
4. Dr B.V. Subba Rao, HOD, IT
5. Dr P. Rajesh Kumar, HOD ECE
6. Dr B. Raghu Kumar, HOD, ME
7. Dr P. Adi Lakshmi, HOD, MBA
8. Dr Ch. Padmanabha Raju, HOD, FED
9. Dr M.S.R. Niranjan Kumar, Controller of Exams, Member Secretary
10. Dr J.Rajendra Prasad, Professor, IT
11. Dr M.V.Rama Krishna, Professor, CSE
12. Dr C. Subba Rao, Professor, ECE
13. Dr V. Seetha Mahalakshmi, Asst. Prof, FED
14. Prof. N. Siva Prasad, Pro VC, GITAM, Hyderabad (External Expert)
15. Dr R. Srinivasa Rao , Director, Academics & Planning, JNTU, Kakinada (University Nominee)
16. Dr L. Sumalatha, Director of Evaluation, JNTU, Kakinada (University Nominee)
17. Dr J.V.R. Murthy, Professor, Director-IC, JNTU, Kakinada (University Nominee)
18. Sri Srikanth Surampudi, Head, HR-Initial Learning Program, TCS (External Expert)
19. Sri J.S.R.K. Prasad, CEO, Better Castings, Vijayawada (External Expert)
20. Dr Ch. Divakar Babu, Principal, Smt. Velagapudi Durgamba Siddhartha Law College, Kanuru, Vijayawada-7 (External Expert)
21. Dr C.V. Raghavendra Rao, Medical Officer, PVPSIT (External Expert)
22. Dr A. Purnachandra Rao, Associate Professor, FED
23. Mrs. K. Anitha, Associate Professor, ECE

**Members Absent:**


1. Dr M. Venugopala Rao, HOD, EEE



### **Resolutions:**

- 17.1 The Academic Council has approved the minutes of Previous Academic Council meeting held on 20-07-2020.
- 17.2 The Academic Council has reviewed and approved the minutes of Common BOS meeting held on 18-11-2020.
- 17.3 The Academic Council has reviewed and approved PVP20 Academic Regulations.
- 17.4 The Academic Council has reviewed and approved I B.Tech. Course Structure and Syllabus of various departments by making the following amendments.
  - 17.4.1 "Problem Solving with Python Programming" course shall be introduced for all core branches.
- 17.5 The Academic Council has recommended and permitted to introduce a new undergraduate program, B.Tech. CSE (AI & ML) from the Academic Year 2021-2022.
- 17.6 The Academic Council has permitted to close M.Tech. Programs of CSE & EEE branches from the Academic Year 2021-2022 onwards due to poor admissions.
- 17.7 The Academic Council has differed to conduct internal examinations of B.Tech./MBA/M.Tech. in online mode.
- 17.8 The Academic Council has approved and ratified the results of II B.Tech. II Sem/II MBA II Sem/II M.Tech. II Sem/ All UG & PG Supplementary examinations held from July, 2020 to October, 2020.
- 17.9 The Academic Council has gone through the faculty achievements like Patents filed/published and Papers published in SCOPUS/SCI journals from July, 2020 to November, 2020.

**The meeting ended with vote of thanks by the chairman.**

  
**CHAIRMAN**  
**ACADEMIC COUNCIL**  
**PRINCIPAL**  
PRASAD V. POTLURI  
SIDDHARTHA INSTITUTE OF TECHNOLOGY  
KANURU, VIJAYAWADA-520-007



Date : 21/11/2020

Minutes of the meeting of the Academic Council of Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada - 7 held on 21/11/2020 at 11.30 A.M in online mode.

Members Present

Signature

I Principal of the college

1. Dr K. Sivaaji Babu



II Heads of the Dept. of the college

2.1 Dr K. Ramesh, HoD-CE

Attended through online

2.2 Dr A. Jaya Lakshmi, HoD-CSE

Attended through online

2.3 Dr B.V. Subba Rao, HoD-IT

Attended through online

2.4 Dr P. Rajesh Kumar, HoD-ECE

Attended through online

2.5 Dr M. Venugopala Rao, HoD-ECE

Absent

2.6 Dr B. Raghav Kumar, HoD-Mech.

Attended through online

2.7. Dr Ch. Padmanabha Rao, HoD-F&amp;ED

Attended through online

2.8 Dr P. Adilakshmi, HoD-MBA

Attended through online



### III Teachers from the College

Signature

- 3.1 Dr J. Rajendra Prasad, Prof, IT Attended through online
- 3.2 Dr M.V. Rama Krishna, Prof, CSE Attended through online
- 3.3 Dr C. Subba Rao, Prof, ECE Attended through online
- 3.4 Dr V. Seetha Mahalakshmi, Asst Prof  
FED Attended through online

### IV Experts from outside the college

- 4.1 Sri Srikanth Surampudi  
TCS, Hyderabad Attended through online
- 4.2 Dr N. Siva Prasad  
Pro VC, GITAM university  
Hyderabad Attended through online
- 4.3 Sri Jammula SRK Prasad  
CEO - Bettercastings, Vijayawada Attended through online
- 4.4 Dr Ch. Divakar Babu  
Principal, VR Siddhartha Law College Attended through online
- 4.5 Dr C.V. Raghavendra Rao - C.V. Raghavendra Rao  
Medical officer



## V University Nominees

Signature

S.1 Dr R. Srinivasa Rao - Attended through online  
Director, Academics & Planning  
JNTUK, Kakinada

S.2 Dr L. Sumalatha - Attended through online  
Director of Evaluation  
JNTUK, Kakinada

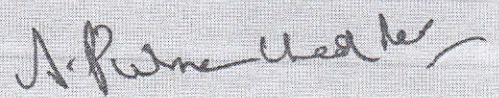
S.3 Dr JVR Murthy - Attended through online  
Director Incubation & DPR  
JNTUK, Kakinada

## VI Member Secretary

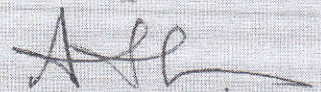
Dr M. S. R. Niranjan Kumar  
Controller of Examinations  
PVPSIT



Dr A. Purnachandra Rao  
Assoc. Prof, FED



Mrs K. Anitha  
Assoc Prof, ECE





**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY  
(AUTONOMOUS)  
KANURU, VIJAYAWADA – 520 007**

**ACADEMIC COUNCIL MEETING on 20-07-2020 at 03:00 PM**

**AGENDA**

1. To approve the Minutes of previous Academic Council meeting held on 27/12/2019.
2. To review and approve II B.Tech. Syllabus of PVP19 Regulations.
3. To permit and conduct internal examinations of I B.Tech II Sem/ I MBA II Sem/II MBA II Sem/I M.Tech II Semester students in online/offline as per UGC Guidelines dated 27.04.2020.
4. To permit and conduct semester end examinations of I B.Tech II sem/II B.Tech II Sem/I MBA II Sem/II MBA II Sem/I M.Tech II Semester students in online/offline as per UGC Guidelines dated 27.04.2020.
5. To permit and conduct online/offline classes for IV B.Tech. odd Semester students from 17.08.2020 as per the revised AICTE Academic Calendar dated 07.07.2020.
6. To permit and conduct online /offline classes for III B.Tech/ II MBA odd Semester students from 17.08.2020 as per the prevailing situation.
7. To permit the disposal of old answer scripts of Internal/ External Examinations of UG and PG students.
8. To review and approve I B.Tech. I Sem/III B.Tech II Sem/ IV B.Tech II Sem /I MBA I Sem/I M.Tech. I Semester results held from December, 2019 to March, 2020.
9. To review faculty achievements of Academic Year 2019-20.
10. Any other item with the permission of the Chair.



**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY  
(AUTONOMOUS)  
KANURU, VIJAYAWADA – 520 007**

**16<sup>th</sup> ACADEMIC COUNCIL MEETING held on 20-07-2020 at 03:00 PM**

**Minutes of the meeting of Academic Council of Prasad V Potluri Siddhartha Institute of Technology, Kanuru, Vijayawada held on 20-07-2020 at 03:00 P.M. in online mode.**

**Members Present:**

1. Dr K. Sivaji Babu, Principal, Chairman
2. Dr K. Ramesh, HOD, CE
3. Dr A. Jayalakshmi, HOD, CSE
4. Dr B.V. Subba Rao, HOD, IT
5. Dr P. Rajesh Kumar, HOD ECE
6. Dr M. Venugopala Rao, HOD, EEE
7. Dr B. Raghu Kumar, HOD, ME
8. Dr P. Adi Lakshmi, HOD, MBA
9. Dr Ch. Padmanabha Raju, HOD, FED
10. Dr M.S.R. Niranjana Kumar, Controller of Exams, Member Secretary
11. Dr J.Rajendra Prasad, Professor, IT
12. Dr M.V.Rama Krishna, Professor, CSE
13. Dr C. Subba Rao, Professor, ECE
14. Dr V. Seetha Mahalakshmi, Asst. Prof, FED
15. Prof. N. Siva Prasad, Pro VC, GITAM, Hyderabad (External Expert)
16. Dr R. Srinivasa Rao, Director, Academics & Planning, JNTU, Kakinada (University Nominee)
17. Dr L. Sumalatha, Director of Evaluation, JNTU, Kakinada (University Nominee)
18. Dr J.V.R. Murthy, Professor, Director-IC, JNTU, Kakinada (University Nominee)
19. Sri Srikanth Surampudi, Head, HR-Initial Learning Program, TCS (External Expert)
20. Sri J.S.R.K. Prasad, CEO, Better Castings, Vijayawada (External Expert)
21. Dr Ch. Divakar Babu, Principal, Smt. Velagapudi Durgamba Siddhartha Law College, Kanuru, Vijayawada-7 (External Expert)
22. Dr C.V. Raghavendra Rao, Medical Officer, PVPSIT (External Expert)
23. Dr A. Purnachandra Rao, Associate Professor, FED
24. Mrs. K. Anitha, Associate Professor, ECE



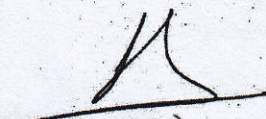
## Resolutions:

- 16.1 The Academic Council has approved the minutes of Previous Academic Council meeting held on 27-12-2019.
- 16.2 The Academic Council has reviewed and approved II B. Tech. (PVP19 Regulations) syllabus of various departments by making the following amendments for the below mentioned courses.
  - 16.2.1 The title of the courses, 'Design Thinking and Product Innovation' and 'Design Thinking and Product Innovation Lab' offered in II B.Tech. I Semester of all Branches are renamed as Design Thinking' and 'Design Thinking Lab' respectively.
  - 16.2.2 The title of the courses, 'Analog and Digital Communications' (19EC3404) and 'Analog and Digital Communications Lab' (19EC3453) offered in II B.Tech. II Semester of ECE Branch are renamed as 'Analog Communications' and Analog Communications Lab' respectively.
  - 16.2.3 The title of the courses, 'Electronic Devices and Circuits (19EE3302) and 'Electronic Devices and Circuits Lab' (19EE3352) offered in II B.Tech. I Semester of EEE Branch are renamed as 'Electronic Devices and Amplifiers Circuits' and 'Electronic Devices and Amplifiers Circuits Lab' respectively.
- 16.3 The Academic Council has permitted to conduct Internal examinations (in online/offline mode) of I B.Tech. II Sem/I MBA II Sem/II MBA II Sem/ I M.Tech. II Semester students as per the guidelines to be issued by JNTU Kakinada in due course.
- 16.4 The Academic Council has permitted to conduct the semester end examinations (in online/offline mode) of I B.Tech. II Sem/II B.Tech II Sem/I MBA II Sem/II MBA II Sem/I M.Tech. II Semester students as per the guidelines to be issued by JNTU Kakinada in due course.
- 16.5 The Academic Council has permitted to commence the online/offline classes for IV B.Tech. odd semester students as per the guidelines to be issued by JNTU Kakinada in due course.
- 16.6 The Academic Council has permitted to commence the online/offline classes for III B.Tech/ II MBA odd semester students as per the guidelines to be issued by JNTU Kakinada in due course.
- 16.7 The Academic Council has permitted to dispose of the old answer scripts of Internal/ External Examinations of UG and PG students by preserving Four consecutive Academic years.



- 16.8 The Academic Council has approved and ratified I B.Tech. I Sem/III B.Tech II Sem/IV B.Tech II Sem/I MBA I Sem/I M.Tech. I Semester results held from December, 2019 to March, 2020.
- 16.9 The Academic Council has gone through faculty contributions like Patents filed and published, Ph.Ds awarded, STTPs/MODROBS sanctioned by AICTE, and Papers published in SCOPUS/SCI journals for the Academic year 2019-2020.
- 16.10 The Academic Council has advised to conduct more number of remedial classes for I B.Tech. Mechanical and Civil Branches students in order to improve the pass percentage.

**The meeting ended with vote of thanks by the chairman.**



**PRINCIPAL**  
**PRASAD V. POTLURI**  
**SIDDHARTHA INSTITUTE OF TECHNOLOGY**  
**KANURU, VIJAYAWADA-520 007**



Date: 20/07/2020

Minutes of the meeting of the Academic Council of P. Prasad V. Potluri Siddhartha Institute of Technology, Vijayanagara - 7 held on 20/07/2020 at 3.00 P.M. in online mode.

Members Present

Signature

I Principal of the College

1.1. Dr. K. Sirooji Babu

K

II Heads of the Dept. of the College

2.1 Dr. K. Ramesh, HOD - CE - Attended through online

2.2 Dr. A. Jaya Lakshmi, HOD - CSE - Attended through online

2.3 Dr. B. V. Subbarao, HOD - IT - Attended through online

2.4 Dr. P. Rajesh Kumar, HOD - ECE - Attended through online

2.5 Dr. M. Venugopala Rao, HOD - EEE - Attended through online

2.6 Dr. B. Raghun Kumar, HOD - Mech. - Attended through online

2.7 Dr. Ch. Padmanabha Raju, HOD - FED - Attended through online

2.8 Dr. P. Adilakshmi, HOD - MBA - Attended through online



### III Teachers from the college

Signature

3.1 Dr. J. Rajendra Prasad, Prof, IT - Attended through  
online

3.2 Dr. M.V. Rama Krishna, Prof, CSE - Attended through  
online

3.3 Dr. C. Subba Rao, Prof, ECE - Attended through  
online

3.4 Dr. V. Seetha Mahalakshmi, Asst. Prof, FED - Attended through  
online

### IV Experts from outside the college

4.1 Sri Srikanta Surampudi - Attended through  
TCS, Hyderabad online

4.2 Dr N. Siva Prasad  
Pro VC, GITAM University - Can  
Hyderabad 20.7.20

4.3 Sri Jammula SRK Prasad - Attended through  
CEO, Better Castings, Vijayanagara online

4.4 Dr Ch. Divakar Babu - Attended through  
Principal, VD Siddhartha Law College online

4.5 Dr C.V. Raghavendra Rao - Attended through  
Medical Officer online



## V. University Nominees


Signature

S.1 DY R. Srinivas Rao - Attended through  
 Director, Academics & Planning online  
 INTUK, Kakinada

S.2 DY L. Sumalatha - Attended through  
 Director of Evaluation online  
 INTUK, Kakinada

S.3 DY JVR Murthy - Attended through  
 Director, Incubation & IPR online  
 INTUK, Kakinada.

## VI Member Secretary

DY MSR Niranjan Kumar -   
 Controller of Examinations  
 PVPSIT

DY A. Purnachandra Rao - A. Purnachandra Rao  
 Assoc. Professor, FED

Mrs K. Anitha - Attended through  
 Assoc. Professor, ECE online



Dt.03.09.2021

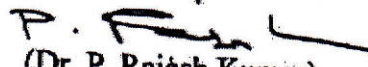
Minutes for 17<sup>th</sup> Meeting of BOS

1.1.2 V 1.1.3  
BOS

BOS meeting has been conducted from 3PM to 4 PM today. BOS members have joined the online meeting through Google Meet. Following are the suggestions received from the members of BOS:

1. Approved proposed PVP-20 course structure of ECE for 2<sup>nd</sup> year subjects without any modification
2. The following are the suggested modifications in the remaining part of the course structure:
  - a. Proposed Fibre Optic Communications course title shall be changed to Optical Communications (PE - II in Communication & Signal Processing stream).
  - b. Proposed Wireless Sensor Networks and IOT course title shall be changed to Wireless Sensor Networks (PE - V in VLSI & Embedded Systems stream).
  - c. Proposed Radar Systems course title shall be changed to Radar Engineering (PE - V in Microwave stream).
  - d. Analog IC Design (PE - IV) and ASIC Design (PE - III) positions in the course structure shall be interchanged. Analog IC Design syllabus has to be designed based on text book 'Design of Analog CMOS Integrated Circuits by Behzad Razavi'.
3. It is suggested to give a few quiz questions at the end of each class using Kahoot platform to make on-line teaching more effective. This point is discussed as per the parents request to make on-line class work more effective.

K. Ramanjaneyulu  
Faculty I/C for BOS

  
(Dr. P. Rajesh Kumar)  
HEAD  
Electronics & Communication Engg. Dept.  
PRASAD V. POTLURI  
SIDDHARTHA INSTITUTE OF TECHNOLOGY  
KANURU, VIJAYAWADA-520 007.



### Board of Studies Members

S. No	Name of the member	Signature
1	Dr. P. Rajesh Kumar, Professor & HOD, PVPSIT	Attended Online
2	Dr. N V S N Sharma, Director, IIIT, Trichy	Attended Online
3	Dr. N Balaji, Professor, Dept. of ECE JNTUK, Kakinada	Attended Online
4	Dr. B. Chandra Mohan, Professor, Dept. of ECE, Bapatla Engg. College	Attended Online
5	Dr. S. Srinivasa Kumar, Professor, Dept. of ECE JNTUK, Kakinada	Attended Online
6	Sri D.D.V Hanumantha Rao, Honeywell, Bangalore	Attended Online
7	Dr. K Ramanjaneyulu, Professor	Attended Online
8	Dr. C. Subba Rao, Professor	Attended Online
9	Dr. Ch. Gangadhar, Associate Professor	Attended Online
10	Dr. T. Haritha, Associate Professor	Attended Online
11	Dr A Geetha Devi, Associate Professor	Attended Online
12	Dr B Samuyelu, Sr Assistant Professor	Attended Online
13	Mr. J. Ravindra Babu, Associate Professor	Attended Online
14	Mr. M. Srinivasa Rao, Associate Professor	Attended Online
15	Mrs. K. Anitha Associate, Professor	Attended Online
16	Mr. B. Surya Prasada Rao, Associate Professor	Attended Online
17	Mr Md Habibulla, Sr Assistant Professor	Attended Online
18	Mrs. V Ratna Kumari, Assistant Professor	Attended Online
19	Alumni Representative G. Haritha Devi, M: 9885327646, 2016-2020 batch <a href="mailto:harithadevigundabattula@gmail.com">harithadevigundabattula@gmail.com</a> TCS, Hyderabad	Attended Online
20	Student Representative, IV B. Tech. M. Sohit Venkata Sai, M: 9100291281 <a href="mailto:18501A0471@pvpsiddhartha.ac.in">18501A0471@pvpsiddhartha.ac.in</a>	Attended Online
21	Student Representative, III B. Tech. PVNDS Sermista, M: 9502167975, <a href="mailto:19501A0495@pvpsiddhartha.ac.in">19501A0495@pvpsiddhartha.ac.in</a> Parent: PV Silva Kumar, M: 9704207779	Attended Online

S. No. 1: Chairman, S. No. 2, 3 and 4: Academic Council Nominees Members  
S. No. 5: University Nominee Member  
S. No. 6: Representation from Industry Member  
S. No. 7 to 18: Faculty of the Department Members

**HEAD**  
Electronics & Communication Engg. Dept.  
PRASAD V. POTLURI  
SIDDHARTHA INSTITUTE OF TECHNOLOGY  
MURU, VIDYARATHI, AWARAH-520 017, JGY



Dt.15.05.2021


PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY,  
KANURU, VIJAYAWADA-520007

Department of Electronics and Communication Engineering

### Minutes for 16<sup>th</sup> Meeting of BOS

BOS meeting has been conducted from 10 AM to 12 Noon today. BOS members have joined the online meeting through Google Meet. Following are the suggestions received from the members of BOS:

1. In the course syllabus document, rows and columns of CO-PO-PSO matrix have to be interchanged.
2. Statements of COs have been reviewed and modified.
3. Some modifications are suggested in the syllabus content of Introduction to VLSI.

  
(Dr. P. Rajesh Kumar)  
**HEAD**

Electronics & Communication Engg.D  
PRASAD V. POTLURI  
PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY  
KANURU, VIJAYAWADA-520007



## Board of Studies Members

S. No	Name of the member	Signature
1	Dr. P. Rajesh Kumar, Professor & HOD, PVPSIT	Attended Online
2	Dr. N V S N Sharma, Director, IIIT, Trichy	Attended Online
3	Dr. N Balaji, Professor, Dept. of ECE JNTUK, Kakinada	Attended Online
4	Dr. B. Chandra Mohan, Professor, Dept. of ECE, BapatlaEngg. College	Attended Online
5	Dr. S. Srinivasa Kumar, VC, JNTU, Anantapur	Attended Online
6	Sri D.D.V Hanumantha Rao, Honeywell, Bangalore	Attended Online
7	Dr. K Ramanjaneyulu, Professor	Attended Online
8	Dr. C. Subba Rao, Professor	Attended Online
9	Dr. Ch. Gangadhar, Associate Professor	Attended Online
10	Dr. T. Haritha, Associate Professor	Attended Online
11	Dr A Geetha Devi, Associate Professor	Attended Online
12	Dr B Samuyelu, Sr Assistant Professor	Attended Online
13	Mr. J. Ravindra Babu, Associate Professor	Attended Online
14	Mr. M. Srinivasa Rao, Associate Professor	Attended Online
15	Mrs. K. Anitha Associate, Professor	Attended Online
16	Mr. B. Surya Prasada Rao, Associate Professor	Attended Online
17	Mr MdHabibulla, Sr Assistant Professor	Attended Online
18	Mrs. V Ratna Kumari, Assistant Professor	Attended Online
19	Alumni Representative	Attended Online
20	Student Representative, IV B. Tech.	Attended Online
21	Student Representative, III B. Tech.	Attended Online

S. No. 1: Chairman

S. No. 2, 3 and 4: Academic Council Nominees Members

S. No. 5: University Nominee Member

S. No. 6: Representation from Industry Member

S. No. 7 to 18: Faculty of the Department Members

  
HOD-ECE

**Dr. P. RAJESH KUMAR**  
Ph.D (IIT-M)  
Head & Professor  
Dept. of Electronics & Communication Engg.  
PVP Siddhartha Institute of Technology  
KANIBIDU



PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY,  
KANURU, VIJAYAWADA-7

Dt.30.05.2020

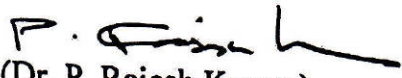
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15<sup>th</sup> BOS Meeting Minutes

BOS meeting has been conducted in the e-classroom of the Department. External BOS members have joined the meeting online through Google Meet. The following are the suggestions/ modifications received in the BOS meeting.

Meeting Minutes:

1. Analog and Digital Communication Course (19EC 3404) has to be replaced with Analog Communications course. Similarly, Analog and Digital Communication Lab Course (19EC 3453) has to be replaced with Analog Communications Lab course.
2. Statements of COs have been reviewed and modified.
3. CO-PO-PSO correlation matrix weights have been modified.

  
(Dr. P. Rajesh Kumar)  
Prof. & HOD., Dept. of ECE  
HEAD  
Electronics & Communication Engg. Dept.  
PRASAD V. POTLURI  
SIDDHARTHA INSTITUTE OF TECHNOLOGY  
KANURU, VIJAYAWADA-520 002.