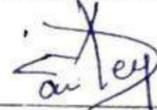
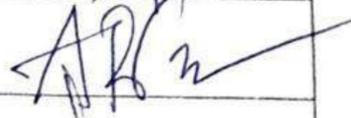


**Minutes of meeting- 11<sup>th</sup> BOS R-19**

Minutes of the meeting of the Board of Studies in **Civil Engineering** held on 3<sup>rd</sup> February, 2021 in the Department of **Civil Engineering**.

**Members Present:**

S. No	Recommended Composition	Name	Signature
1	Head of the Department concerned (Chairman)	Mr. M. Sandeep,	
2	University Nominee	Dr. P. Subba Rao, Prof of CE, JNTUK	
3	External Nominee	Dr. S. Murthy D, Prof of CE, IIT Bombay	
4	External Nominee	Dr. D.Rama Seshu, Prof of CE, NIT Warangal	
5	Internal Academic Representative	Mr. V. Manideep	
6	Internal Academic Representative	Mr. A Raviteja	
7	Internal Academic Representative	Mr. A Roger Antony	

**Agenda:**

1. Welcome Address by Chairman-BOS
2. Discussion on proposed R-19 Course Structure and ratification of III<sup>rd</sup> and IV<sup>th</sup> year syllabus.
3. Discussion on proposed B.Tech III<sup>rd</sup> & IV<sup>th</sup> Year course syllabi and ratification of the same
4. Vote of thanks.

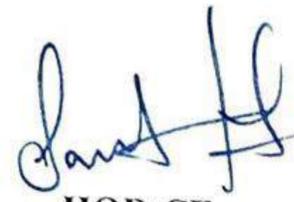
**RESOLUTIONS:**

**Date: (03-02-2021)**

1. Irrigation drawing laboratory name should be changed as "Detailing and Drawing of Civil Structures Laboratory".
2. Steel and Concrete structural elements can be added to the syllabus of "Detailing and Drawing Civil Structures Laboratory".
3. **Advanced Foundation Engineering** subject should be removed since the syllabus is heavy for B. Tech level, as there are 3 courses for soil engineering.
4. As **Advanced Foundation Engineering** course and its course code has been ratified in course structure in 1<sup>st</sup> meeting of BOS R19, so remove only syllabus from course structure.
5. Course outcome should be framed in brief and they should be based on Blooms Taxonomy Levels.
6. Publication year and publisher name of text books has to be mentioned in the syllabus.
7. Small experiments can be combined as a single experiment in all laboratory subjects.
8. Add Design of truss and design of plate girder in "Design & Detailing of Steel Structures" subject.
9. Add "Introduction to Gantry girder" to the subject "Design & Detailing of steel structures".
10. BOD determination experiment has to be added to the "Environmental Engineering Laboratory".
11. Remove pre-requisites for all elective subjects.



University Nominee



HOD CE

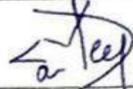
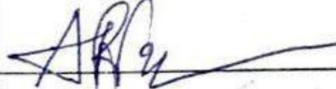
**HOD-CIVIL**  
**PRAGATI ENGINEERING COLLEGE**  
(AUTONOMOUS)  
# 1-378, ADB ROAD, SURAMPALEM  
Near Peddapuram, E.G.Dt. (AP)-533437



**Minutes of meeting-1<sup>st</sup> BOS R-20**

Minutes of the meeting of the Board of Studies in **Civil Engineering** held on **1<sup>st</sup> January, 2021** in the Department of **Civil Engineering**.

**Members Present:**

S.No.	Recommended Composition	Name	Signature
1	Head of the Department concerned (Chairman)	Mr. M. Sandeep,	
2	University Nominee	Dr. P. Subba Rao, Prof of CE, JNTUK	
3	External Nominee	Dr. S. Murthy D, Prof of CE, IIT Bombay	
4	External Nominee	Dr. D.Rama Seshu, Prof of CE, NIT Warangal	
5	Internal Academic Representative	Mr. V. Manideep	
6	Internal Academic Representative	Mr. A Raviteja	
7	Internal Academic Representative	Mr. A Roger Antony	

**AGENDA:**

1. Welcome Address by Chairman-BOS
2. Discussion on proposed R-20 Course Structure and ratify the 1<sup>st</sup> year Semester I&II course structure.
3. Discussion on proposed B.Tech First Year course syllabi and ratification of the same.
4. Finalisation of text books and reference books.
5. Ratification of Tentative Course Structure of B.Tech R20 regulation for II<sup>nd</sup>, III<sup>rd</sup> and IV<sup>th</sup> year
6. Any other item.

**RESOLUTIONS:**

**Date: (23-01-2021)**

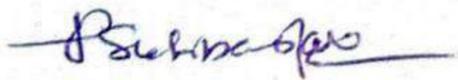
1. Integrated Course of Engineering Geology theory and lab is Replaced with Basic of Electrical and Electronics Engineering theory and lab in 1<sup>st</sup> year I sem as Engineering geology is too early for the students.
2. Building planning and computer aided laboratory should be combined with Building planning and drawing laboratory in II year-II Sem instead of I year – I sem.
3. Civil Engineering workshop has to be included instead of building planning and computer aided laboratory
4. Name of Strength of Materials – I subject has to be changed as Strength of materials
5. Name of Strength of Materials – II subject has to be changed as Solid mechanics

**SUGGESTIONS:**

1. Modification in evaluation pattern for Laboratory if possible.
2. Communicate to BOS members after confirming with JNTU regarding change in evaluation pattern for laboratory, if any.
3. Mechanics of Joints topic should be included with Engineering Mechanics
4. Suggestion was given to make MOU's with industries regarding student internships.
5. Suggested to keep an official letter to the government from college that Industries have to invite the students for Internships.
6. CAD has to be included with Engineering Drawing laboratory.
7. Construction material testing experiments can be included with SOM – I laboratory

**Note:**

In the BOS of R-20 1<sup>st</sup> meeting, course structure of I year 1<sup>st</sup> Sem and II<sup>nd</sup> Sem is ratified and further discussions and suggestions given for II-I, II-II, III-I, III-II, IV-I, IV-II will be done in up-coming BOS Meetings



University Nominee



HOD CE

HOD-CIVIL

**PRAGATI ENGINEERING COLLEGE  
(AUTONOMOUS)**

# 1-378, ADB ROAD, SURAMPALEM  
Near Peddapuram, E.G.Dt. (AP)-533437





**PRAGATI ENGINEERING COLLEGE**  
(Autonomous)

**Department of Electrical and Electronics Engineering**

Minutes of meeting of the Board of studies in EEE Department regarding ratification of B.Tech (R-19 III year, IV year syllabi and R-20 1 year course structure and 1 year syllabi) held on 20.01.2021 through ONLINE.

**Members Present:**

S. No.	Name	Signature
1	Dr. K. Satyanarayana, Professor, HOD-EEE, Chairman of BOS-EEE	
2	Dr. Srirama Srinivas, Professor of EE, IIT Madras, Chennai	
3	Dr. P.Mallikarjuna Rao, Professor of EE, UCE, Andhra University	
4	Dr. K. Ravindra, Associate Professor of EEE, JNTUK, Kakinada	
5	Dr. G. Naresh, Professor of EEE Dept.	
6	Sri. B. Pradeep Raja Vardhan, Assistant Manager, Reliance Jio Infocomm Ltd., Visakhapatnam	
7	Sri. R.Sudhakar, Assoc. Professor of EEE Dept.	
8	Sri M.Satya Harish, Asst.Professor of EEE Dept.	

**Members of BoS:**

Dr.Srirama Srinivas	Dr.P.Mallikarjuna Rao	Dr.K.Ravindra	Dr.K.Satyanarayana	Dr.G.Naresh	Sri. R.S. Sudhakar	Sri. B. Pradeep Raja Vardhan	Sri.M.Satya Harish



**PRAGATI ENGINEERING COLLEGE**  
(Autonomous)

**Department of Electrical and Electronics Engineering**

**AGENDA:**

1. Welcome Address by Chairman-BOS.
2. Common BOS Guidelines.
3. Discussion on proposed R-19 B. Tech EEE Third year, Fourth year syllabi and ratification of the same.
4. Discussion on proposed R-19 B.Tech, EEE Offered Open Electives for Other Departments syllabi and ratification of the same.
5. Discussion on proposed R-20 B.Tech EEE First Year course structure, syllabi and ratification of the same.
6. Discussion on proposed R-20, EEE offered Inter Departmental First Year courses syllabi and ratification of the same
7. Finalization of text books & reference books
8. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses (R-20)
9. Any other item.

**RESOLUTIONS TAKEN:**

1. Considered Item No. 3.

Resolved to ratify the proposed syllabi of following **courses** of third year and final year B.Tech (R-19 regulations) along with course objectives and course outcomes by incorporating following changes

- i) Members suggested to change III-II semester subject title "Power Electronics Controllers and Drives" as "DC and AC Motor Drives".
- ii) Members suggested to make a swap between the subjects "Electrical machine design" (Professional Elective) which was in IV-I semester (7<sup>th</sup> semester) and "Special electrical machines" (Professional Elective) which was in IV-II semester (8<sup>th</sup> semester)

S. No.	Name of the Programme	Name of the Course	Year and Semester
1.	B. Tech (R-19)	Electrical Power Transmission Systems	III-I EEE
2.		Power Electronics	III-I EEE
3.		Digital Control Systems	III-I EEE
4.		Electrical Machines-II Laboratory	III-I EEE
5.		Control Systems Laboratory	III-I EEE
6.		DC and AC Motor Drives	III-I EEE
7.		Power System Analysis	III-II EEE
8.		Electrical Distribution System	III-II EEE
9.		Artificial Intelligence Techniques	III-II EEE
10.		Electrical Machine Modeling and Analysis	III-II EEE

**Members of BoS:**

Dr. Seirama Srinivas	Dr. P. Mallikarjuna Rao	Dr. K. Ravindra	Dr. K. S. Anand	Dr. G. Naresh	Sri. R. S. Sudhakar	Sri. B. Pradeep Raja Vardhan	Sri. M. Satya Harish	



**PRAGATI ENGINEERING COLLEGE**  
(Autonomous)

**Department of Electrical and Electronics Engineering**

11.	Advanced Control Systems	III-II EEE
12.	Power Electronics Laboratory	III-II EEE
13.	Utilization of Electrical Energy	IV-I EEE
14.	Renewable Energy Sources	IV-I EEE
15.	Power System Protection	IV-I EEE
16.	High Voltage Engineering	IV-I EEE
17.	Energy audit, conservation and Management	IV-I EEE
18.	Special Electrical Machines	IV-I EEE
19.	HVDC Transmission	IV-I EEE
20.	Power System and Simulation Laboratory	IV-I EEE
21.	Electrical Measurement and instrument Laboratory	IV-I EEE
22.	Power System Operation and Control	IV-I EEE
23.	Electric Power Quality	IV-II EEE
24.	Hybrid Electric Vehicles	IV-II EEE
25.	Electrical Machine Design	IV-II EEE
26.	Advanced Power Converters	IV-II EEE
27.	Smart Grid	IV-II EEE
28.	Power System Deregulation	IV-II EEE
29.	PLC and SCADA	IV-II EEE
30.	Flexible AC Transmission Systems(FACTS)	IV-II EEE

The approved syllabi are enclosed herewith. (Annexure-I for R-19 B.Tech EEE III & IV Year Syllabi)

2. Considered Item No. 4

Resolved to ratify the proposed syllabi of following courses of EEE Offered Open Electives For other Departments (R-19 regulations) along with course objectives and course outcomes.

S. No.	Name of the Programme	Name of the Course	Year and Semester
1.	B. Tech (R-19)	Energy audit, conservation and Management	III-I ME III-II ECE, CSE and IT IV-I CE
2.		Power Safety and Management	III-II CE, ME IV-I CSE and IT
3.		Power Electronics	IV-I ME, IV-II ECE, CSE and IT

The approved syllabi are enclosed herewith. (Annexure-II for EEE Offered Open Electives For Other Departments).

2. Considered Item No. 5.

**Members of BoS:**

Dr. Srirama Srinivas	Dr. P. Mallikarjuna Rao	Dr. K. Ravindra	Dr. K. Satyanarajana	Dr. G. Naresh	Sri. R. S. Sudhakar	Sri. B. Pradeep Raja Vardhan	Sri. M. Satya Harish
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**PRAGATI ENGINEERING COLLEGE**  
(Autonomous)

**Department of Electrical and Electronics Engineering**

Resolved to ratify the proposed R-20 course structure and syllabi for B.Tech programme for first year and first and second semesters.

The approved R-20 course structures syllabi are enclosed herewith. (Annexure-III for R-20 B.Tech).

S. No.	Name of the Programme	Name of the Course	Year and Semester
1.	B. Tech	Electrical Engineering workshop	I-I EEE
2.	(R-20)	Electrical Circuit Analysis-I	I-II EEE

4. Considered Item No. 6.

Resolved to ratify the proposed Inter Departmental First Year courses (R-20), syllabi.

The approved Inter Departmental First Year courses (R-20), syllabi are enclosed herewith. (Annexure-IV for R-20 B.Tech).

S. No.	Name of the Programme	Name of the Course	Year and Semester
1.	B. Tech (R-20)	Basic Electrical and Electronics Engineering	I-I CE
2.		Basic Electrical and Electronics Engineering Lab	I-I CE
3.		Basic Electrical and Electronics Engineering	I-II ME
4.		Basic Electrical and Electronics Engineering Lab	I-II ME
5.		Basic Electrical Engineering	I-II ECE
6.		Basic Electrical Engineering Laboratory	I-II ECE

5. Considered Item No. 7.

Resolved to ratify the text books and reference books as mentioned in the Item Nos. 3,4,5 and 6

6. Considered Item No. 8

Resolved to ratify the proposed model papers for internal and external examinations of both theory and lab courses are enclosed herewith. (Annexure -V(a), V(b), V(c), V(d) and V(e).

7. Considered Item No. 9

Resolved to specify the subject codes for all courses in B. Tech (R-20) programme.

Finally Chairman of BOS thanked all the members for their valuable inputs and active participation in the meeting.

*Dr.K.Satyanarayana*  
Thanks & Regards  
Dr.K.Satyanarayana  
HOD-EEE & Chairman- BOS



**Members of BoS:**

<i>Dr. Srirama Srinivas</i>	<i>Dr. P. Mallikarjuna Rao</i>	<i>Dr. K. Ravindra</i>	<i>Dr. K. Satyanarayana</i>	<i>Dr. G. Naresh</i>	<i>Sri. R.S. Sudhakar</i>	<i>Sri. B. Pradeep Raja Vardhan</i>	<i>Sri. M. Satya Harish</i>
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Re: Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE - Approval

HOD\_EEE <hod\_eee@pragati.ac.in>

Sat 1/23/2021 3:58 PM

To: srsrini12@iitm.ac.in <srsrini12@iitm.ac.in>; electricalprofessor@gmail.com <electricalprofessor@gmail.com>; ravikollu@gmail.com <ravikollu@gmail.com>; vardhan244@gmail.com <vardhan244@gmail.com>

Cc: Principal PEC <principal@pragati.ac.in>; M V H Babu <mvhbabu@pragati.ac.in>; Satish Meka <satish@pragati.ac.in>; Dean Admin <dean\_admin@pragati.ac.in>

Good Evening Sirs,

Thank you, all members for your approval for ratification of BOS-EEE (B.Tech R-19 & R-20) minutes of meeting which was conducted on 20-01-21 through ONLINE.

Once again thank you so much for your support and cooperation by providing valuable inputs for framing R-19 & R-20 syllabi of B.Tech. we will in-touch with you regarding any academic related aspects.

Thank you

with regards  
Dr.K.Satyanarayana  
HOD-EEE & Chairman-BOS  
Pragati Engineering College



---

From: HOD\_EEE <hod\_eee@pragati.ac.in>

Sent: Thursday, January 21, 2021 8:49 PM

To: srsrini12@iitm.ac.in <srsrini12@iitm.ac.in>; electricalprofessor@gmail.com <electricalprofessor@gmail.com>; ravikollu@gmail.com <ravikollu@gmail.com>; vardhan244@gmail.com <vardhan244@gmail.com>

Cc: Principal PEC <principal@pragati.ac.in>; M V H Babu <mvhbabu@pragati.ac.in>; Satish Meka <satish@pragati.ac.in>; Dean Admin <dean\_admin@pragati.ac.in>

Subject: Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE - Approval

Respected Sir,

I am herewith submitting the information related to Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE

#### AGENDA:

1. Welcome Address by Chairman-BOS.
2. Common BOS Guidelines.
3. Discussion on proposed R-19 B. Tech EEE Third year, Fourth year syllabi and ratification of the same.
4. Discussion on proposed R-19 B.Tech, EEE Offered Open Electives for Other Departments syllabi and ratification of the same.
5. Discussion on proposed R-20 B.Tech EEE First Year course structure, syllabi and ratification of the same.
6. Discussion on proposed Inter Departmental First Year courses (R-20), syllabi and ratification of the same
7. Finalization of text books & reference books
8. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses (R-20)
9. Any other item.

Re: Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE - Approval

Ravikollu <ravikollu@gmail.com>

Fri 1/22/2021 3:30 PM

To: HOD\_EEE <hod\_eee@pragati.ac.in>

Dear sir

I approve the same.

Regards

Dr.K.Ravindra

Associate Professor

EEE Department

University college of Engineering Kakinada

JNTU Kakinada

Mobile: 9703976874

On Thu, 21 Jan 2021 at 20:50, HOD\_EEE <hod\_eee@pragati.ac.in> wrote:

Respected Sir,

I am herewith submitting the information related to Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE

#### AGENDA:

1. Welcome Address by Chairman-BOS.
2. Common BOS Guidelines.
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7. Finalization of text books & reference books
8. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses (R-20)
9. Any other item.

#### RESOLUTIONS TAKEN:

1. Considered Item No. 3.

Resolved to ratify the proposed syllabi of following **courses** of third year and final year B.Tech (R-19 regulations) along with course objectives and course outcomes.

S. No.	Name of the Programme	Name of the Course	Year and Semester
1.	B. Tech (R-19)	Electrical Power Transmission Systems	III-I EEE
2.		Power Electronics	III-I EEE
3.		Digital Control Systems	III-I EEE

Re: Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE - Approval

mallikarjuna rao <electricalprofessor@gmail.com>

Fri 1/22/2021 6:51 AM

To: HOD\_EEE <hod\_eee@pragati.ac.in>

Cc: srsrini12@iitm.ac.in <srsrini12@iitm.ac.in>; ravikollu@gmail.com <ravikollu@gmail.com>; vardhan244@gmail.com <vardhan244@gmail.com>; Principal PEC <principal@pragati.ac.in>; M V H Babu <mvhbabu@pragati.ac.in>; Satish Meka <satish@pragati.ac.in>; Dean Admin <dean\_admin@pragati.ac.in>

GOOD MORNING SIR,

THE MINUTES OF THE MEETING SEEMS TO BE OK.

THANKING YOU SIR

MALLIKARJUNA RAO

On Thu, Jan 21, 2021, 8:50 PM HOD\_EEE <hod\_eee@pragati.ac.in> wrote:

Respected Sir,

I am herewith submitting the information related to Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE

**AGENDA:**

1. Welcome Address by Chairman-BOS.
2. Common BOS Guidelines.
3. Discussion on proposed R-19 B. Tech EEE Third year, Fourth year syllabi and ratification of the same.
4. Discussion on proposed R-19 B.Tech, EEE Offered Open Electives for Other Departments syllabi and ratification of the same.
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8. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses (R-20)
9. Any other item.

**RESOLUTIONS TAKEN:**

1. Considered Item No. 3.

Resolved to ratify the proposed syllabi of following courses of third year and final year B.Tech (R-19 regulations) along with course objectives and course outcomes.

S. No.	Name of the Programme	Name of the Course	Year and Semester
1.	B. Tech (R-19)	Electrical Power Transmission Systems	III-I EEE
2.		Power Electronics	III-I EEE
3.		Digital Control Systems	III-I EEE
4.		Electrical Machines-II Laboratory	III-I EEE
5.		Control Systems Laboratory	III-I EEE

Re: Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE - Approval

pradeep vardhan <vardhan244@gmail.com>

Thu 1/21/2021 9:33 PM

To: HOD\_EEE <hod\_eee@pragati.ac.in>

Cc: srsrini12@iitm.ac.in <srsrini12@iitm.ac.in>; electricalprofessor@gmail.com <electricalprofessor@gmail.com>; ravikollu@gmail.com <ravikollu@gmail.com>; Principal PEC <principal@pragati.ac.in>; M V H Babu <mvhbabu@pragati.ac.in>; Satish Meka <satish@pragati.ac.in>; Dean Admin <dean\_admin@pragati.ac.in>

Dear Sir

I approved the same.

Thank You.

With Regards

B Pradeep Raja Vardan

Asst Manager

Reliance Jio Infocomm Limited

Visakapatnam

On Thu, 21 Jan 2021, 20:50 HOD\_EEE, <hod\_eee@pragati.ac.in> wrote:

Respected Sir,

I am herewith submitting the information related to Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE

#### AGENDA:

1. Welcome Address by Chairman-BOS.
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8. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses (R-20)
9. Any other item.

#### RESOLUTIONS TAKEN:

1. Considered Item No. 3.

Resolved to ratify the proposed syllabi of following courses of third year and final year B.Tech (R-19 regulations) along with course objectives and course outcomes.

S. No.	Name of the Programme	Name of the Course	Year and Semester
1.	B. Tech (R-19)	Electrical Power Transmission Systems	III-I EEE
2.		Power Electronics	III-I EEE

Re: Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE - Approval

Srirama Srinivas <srsrini12@iitm.ac.in>

Fri 1/22/2021 2:50 PM

To: HOD\_EEE <hod\_eee@pragati.ac.in>

Cc: electricalprofessor@gmail.com <electricalprofessor@gmail.com>; ravikollu@gmail.com <ravikollu@gmail.com>; Principal PEC <principal@pragati.ac.in>; M V H Babu <mvhbabu@pragati.ac.in>; Satish Meka <satish@pragati.ac.in>; Dean Admin <dean\_admin@pragati.ac.in>; pradeep vardhan <vardhan244@gmail.com>

Dear Sir,

This email be treated as approval from my end.

warm regards,  
-- S.Srinivas

Srirama Srinivas  
Professor  
Dept. of Electrical Engineering  
IIT Madras, Chennai-36, TN.  
INDIA

---

From: pradeep vardhan <vardhan244@gmail.com>

Sent: Thursday, January 21, 2021 9:32 PM

To: HOD\_EEE

Cc: Srirama Srinivas; electricalprofessor@gmail.com; ravikollu@gmail.com; Principal PEC; M V H Babu; Satish Meka; Dean Admin

Subject: Re: Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE - Approval

Dear Sir

I approved the same.

Thank You

With Regards  
B Pradeep Raja Vardan  
Asst Manager  
Reliance Jio Infocomm Limited  
Visakapatnam

On Thu, 21 Jan 2021, 20:50 HOD\_EEE, <hod\_eee@pragati.ac.in> wrote:

Respected Sir,

I am herewith submitting the information related to Minutes of BOS Meeting (R-19 & R-20) conducted on 20-01-2021 at the department of EEE through ONLINE

**AGENDA:**



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

[Approved by AICTE, New Delhi & Permanently Affiliated to JNT University, Kakinada]

[Conferred with 'A' Grade by NAAC & Recognized under 2(D) and 12(B) of UGC Act]

# 1-378, ADB Road, Surampalem, E.G. District, A.P. - 533 437

Ph: (08882) - 252233, 252234, 252235, Fax: (08882) - 252232

(Sponsored by Gayatri Educational Society, Kakinada)

## DEPARTMENT OF MECHANICAL ENGINEERING

### Minutes of the 5<sup>th</sup> Board of Studies Meeting

(B.Tech)

BoS meeting was held on 20<sup>th</sup> January 2021 and the following resolutions were taken:

#### Agenda 2. Ratification of III and IV year syllabus of R19 regulation for B.Tech program.

1. With respect to point 2 of agenda, the following changes were made:
  - a) Suggested to include the text book "Turbines, Compressors and Fans by S. M. Yahya-McGraw Hill Publications" for the subject "IC Engines and turbo machinery"
  - b) Add "kinds of sub systems" in the subject "IC Engines and turbo machinery"
  - c) Suggested to verify the pre-requisite for "Automation in manufacturing"
  - d) Suggested to include "gear tooth metrology" in the subject "Metrology"

#### Agenda 3. Ratification of Tentative Course Structure of B.Tech R20 regulation.

The First year course structure of R20 regulations is accepted without any modification

#### Agenda 4: Ratification of I year syllabus of B.Tech R20 regulation

The proposed syllabus of First year R20 Regulations is accepted without any modifications. Finally, it is resolved to have only two text books and five reference books for all the courses to the possible extent.

*The syllabus for B.Tech course of R19 and R20 was thoroughly discussed, finalized and approved. BOS chairman is authorized to endorse the syllabus.*

#### Members of BoS

Dr. M. Kumara Swamy	Dr. Ch. Srinivasa Rao	Dr. E. Anil Kumar	Dr. S. Srinivas Prasad	Dr. B. S. V. Rama Rao



# PRAGATI ENGINEERING COLLEGE (Autonomous)

[Approved by AICTE, New Delhi & Permanently Affiliated to JNT University, Kakinada]  
[Conferred with 'A' Grade by NAAC & Recognized under 2(f) and 12(b) of UGC Act]  
# 1-378, ADB Road, Surampalem, E.G. District, A.P. - 533 437  
Ph: (08852) - 252233, 252234, 252235, Fax: (08852) - 252232  
(Sponsored by Gayatri Educational Society, Kakinada)

## DEPARTMENT OF MECHANICAL ENGINEERING

### Minutes of the 5<sup>th</sup> Board of Studies Meeting (B.Tech)

BoS meeting was held on 20<sup>th</sup> January 2021 and the following resolutions were taken:

#### Agenda 2. Ratification of III and IV year syllabus of R19 regulation for B.Tech program.

1. With respect to point 2 of agenda, the following changes were made:
  - a) Suggested to include the text book "Turbines, Compressors and Fans by S. M. Yahya-McGraw Hill Publications" for the subject "IC Engines and turbo machinery"
  - b) Add "kinds of sub systems" in the subject "IC Engines and turbo machinery"
  - c) Suggested to verify the pre-requisite for "Automation in manufacturing"
  - d) Suggested to include "gear tooth metrology" in the subject "Metrology"

#### Agenda 3. Ratification of Tentative Course Structure of B.Tech R20 regulation.

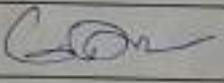
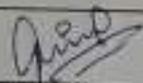
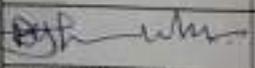
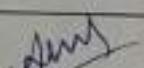
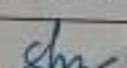
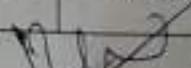
The First year course structure of R20 regulations is accepted without any modification

#### Agenda 4: Ratification of I year syllabus of B.Tech R20 regulation

The proposed syllabus of First year R20 Regulations is accepted without any modifications. Finally, it is resolved to have only two text books and five reference books for all the courses to the possible extent.

*The syllabus for B.Tech course of R19 and R20 was thoroughly discussed, finalized and approved. BOS chairman is authorized to endorse the syllabus.*

#### Members of BoS

 Mrs. K. Aravinda	 Mr. GVN Santosh	 Mr. M Sunil Raj	 Mr. D J Johnson	 Mr. G Avinash
 Dr. R Dharmalingam	 Dr. G Satish	 Dr. S Sambhu Prasad	 Dr. B.S.V. Rama Rao	



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## ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

### Minutes of the Meeting-Board of Studies

21-01-2021

Minutes of the meeting of the Board of Studies in Electronics and Communication Engineering held on 21-01-2021 in the virtual mode.

S No	Composition	Member	Signature
1	Chairman BOS	Dr Nagesh Deevi	
2	Experts in the subject from outside	Dr M Ramasubba Reddy, Professor, Dept of Applied Mechanics, IIT Madras	
		Dr Narasimha Sharma N V S, Professor of ECE, Director, IIIT Tiruchy.	
3	Expert From University	Dr A M Prasad Professor, Dept of ECE JNTUK, Kakinada	A.M. Prasad
5	Representative from industry	Mr G Ratnaraj, Senior Development Manager, TCS, Hyderabad.	
6	Postgraduate meritorious alumnus	Sri G Lokesh Kumar RF Engineer Andhra Electronics, Kakinada	Absent
7	Expert Members of the college	Dr G Raghuram	
		Dr V Sailaja	
		Dr Sanjith Kumar Dash	
		Dr Subodh Panda	
		Dr A Srinivas	
		Dr D Nataraj	
		Mr V Prasanth	
		Mrs P Sunitha	

HOD-ECE

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## ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

### Agenda:

1. Welcome Address by BoS-Chairman.
2. Ratification of III- and IV-years syllabus of R19 regulation for B Tech program.
3. Ratification of I year R-20 regulation course structure and syllabus for B Tech Program.
4. Ratification of CO- PO mapping for each course.
5. Ratification of the proposed model papers for internal and external examinations of theory courses.
6. Finalization of text books and reference books.
7. Any other item.

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## ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

### Resolutions:

**Considered Item no 2:** It is resolved to ratify the syllabi of R-19 regulation B Tech III and IV-year courses with the following modifications

### III Year Courses:

1. Syllabus of Digital communications course and Information theory and coding course should be different. Remove all coding techniques from Digital Communications and add in Information theory and coding.
2. PLL applications and ADC converter experiments should be included in experiments list in Integrated Circuits laboratory course.
3. IoT related experiment should be included, PART B and PART C should be compulsory experiments in Microprocessors and Microcontrollers laboratory course.
4. Introduction to Computational tools concept should be included in Microwave Engineering course.
5. All the experiments in Microwave Engineering laboratory should be based on design and evaluation mechanism.
6. Rest of the courses are ratified as suggested by DC and PAC.

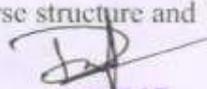
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1. Voice over data communication, network security and cryptography concepts should be included in Data Communications & Computer Networks course.
2. Video Processing protocols concept should be included in Digital Image Processing Course.
3. Signal transmission in transducers and Sensor networks concepts should be included in Electronic Measurements and Instrumentation course.
4. High Speed Devices threats concepts should be included in CPLD and FPGA Architecture course.
5. TinyOS, Actuator concepts, Energy protocols should be included in Wireless Sensors and Actuator Networks course.
6. Thermocouple experiment should be included in Electronic Measurements and Instrumentation Laboratory course.
7. Rest of the courses are ratified as suggested by DC and PAC.

### Courses Offered to other branches/Open electives:

1. Minor modifications are suggested in the courses Linear and Digital IC Applications Laboratory, RFID Sensors and Data Acquisition.
2. Rest of the courses are ratified as suggested by DC and PAC.

**Considered Item no 3:** It is resolved to ratify the 1 year R-20 regulation course structure and syllabus for B Tech Program without any modifications.

  
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## ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

**Considered Item no 4:** Course objectives, Course outcomes and CO-PO mapping were reviewed and advised faculty members to verify the mapping again.

**Considered Item no 5:**

1. It is resolved to ratify the proposed internal and external examination question papers for R-20 regulation courses.
2. It is also suggested to identify examiners from reputed institutions like IITs, NITs, Reputed Universities and ratified faculty from Autonomous college (Preferably Doctorates) for Paper Valuation for end semester examination.

**Considered Item no 6:**

1. It is resolved to include 2 text books and 3 reference books for every course of III and IV year in R-19 course structure.

**Considered Item no 7:**

1. Fundamentals should be strong and methodologies adopted should enrich the knowledge of students.
2. Software Defined Radio should be procured for doing communication projects.
3. Every student alone should design and construct a mini project covering advanced topics.
4. Every lab must be on design oriented.

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## ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

Details of internal faculty members attended the BoS meeting held on 21-01-2021

S No	Name of the Faculty Member	Signature
1	Mr G S Siva Kumar	
2	Mr Ch Venkateswarlu	
3	Mrs B Vasantha Lakshmi	
4	Mr Ch Satish	
5	Mrs G Sri Lakshmi	
6	Mr B Sudhir	
7	Mrs B S S Vidya	
8	Mr Ch Lakshmi Narayana	
9	Mr T Vishnu Murthy	
10	Ms Rubia Tasneem	
11	Mr M Srinivas	
12	Mr K Pasipalana Rao	
13	Mr P Krishna Chaitanya	
14	Mrs G V Ujwala	

Chairman-BoS

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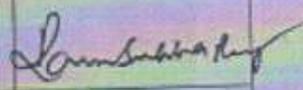
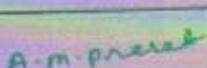
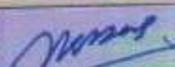
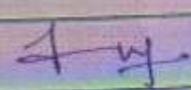
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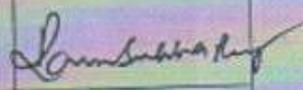
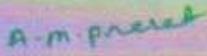
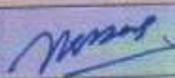
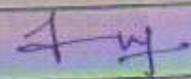
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## ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

### Agenda:

1. Welcome Address by BoS-Chairman.
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5. Ratification of the proposed model papers for internal and external examinations of theory courses.
6. Finalization of text books and reference books.
7. Any other item.



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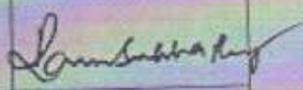
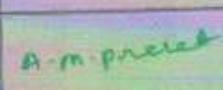
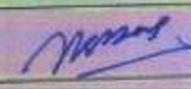
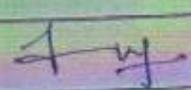
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## ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

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## ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

### Resolutions:

**Considered Item no 2:** It is resolved to ratify the syllabi of R-19 regulation B Tech III and IV-year courses with the following modifications

### III Year Courses:

1. Syllabus of Digital communications course and Information theory and coding course should be different. Remove all coding techniques from Digital Communications and add in Information theory and coding.
2. PLL applications and ADC converter experiments should be included in experiments list in Integrated Circuits laboratory course.
3. IoT related experiment should be included, PART B and PART C should be compulsory experiments in Microprocessors and Microcontrollers laboratory course.
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6. Rest of the courses are ratified as suggested by DC and PAC.

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### Courses Offered to other branches/Open electives:

1. Minor modifications are suggested in the courses Linear and Digital IC Applications Laboratory, RFID Sensors and Data Acquisition.
2. Rest of the courses are ratified as suggested by DC and PAC.

**Considered Item no 3:** It is resolved to ratify the 1 year R-20 regulation course structure and syllabus for B Tech Program without any modifications.



## ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

**Considered Item no 4:** Course objectives, Course outcomes and CO-PO mapping were reviewed and advised faculty members to verify the mapping again.

**Considered Item no 5:**

1. It is resolved to ratify the proposed internal and external examination question papers for R-20 regulation courses.
2. It is also suggested to identify examiners from reputed institutions like IITs, NITs, Reputed Universities and ratified faculty from Autonomous college (Preferably Doctorates) for Paper Valuation for end semester examination.

**Considered Item no 6:**

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**Considered Item no 7:**

1. Fundamentals should be strong and methodologies adopted should enrich the knowledge of students.
2. Software Defined Radio should be procured for doing communication projects.
3. Every student alone should design and construct a mini project covering advanced topics.
4. Every lab must be on design oriented.

**Re: Minutes of Meeting-Board of Studies Meeting held on 21-1-2021-Reg**

Ramasubba Reddy M &lt;rsreddy@iitm.ac.in&gt;

Mon 1/25/2021 4:55 PM

To: HOD ECE &lt;hod\_ece@pragati.ac.in&gt;

1 attachments (388 KB)

Signed Minutes of BoS.pdf

Please find the signed Minutes of BoS meeting.

With best wishes,

Ramasubba Reddy

---

**From:** Ramasubba Reddy M**Sent:** Monday, January 25, 2021 4:25 PM**To:** HOD ECE**Subject:** Re: Minutes of Meeting-Board of Studies Meeting held on 21-1-2021-Reg

Please find the signed Minutes of BoS attached with this mail.

With best wishes,

Ramasubba Reddy

---

**From:** HOD ECE <hod\_ece@pragati.ac.in>**Sent:** Monday, January 25, 2021 2:48 PM**To:** Ramasubba Reddy M; NARASIMHASARMA N V S; a\_malli65@yahoo.com; Gratnaraj@gmail.com**Cc:** rrgude@gmail.com**Subject:** Minutes of Meeting-Board of Studies Meeting held on 21-1-2021-Reg

Sir,

Greetings of the day!!!!!!

We are very much thankful for your valuable suggestions and inputs regarding the finalization of R-19 Syllabi (III, IV year) and R-20 course structure and syllabi(I Year only).

I'm here by attaching Minutes of meeting for the BoS meeting held on 21-1-2021 in virtual mode for the ratification of R-19 regulation III and IV-year courses syllabi, ratification of R-20 regulation I year course structure and syllabi of courses offered by ECE department. Please find the attachments.

List of Enclosures:

1. Minutes of Meeting.
2. R-19 Syllabi Final Copy.
3. R-20-I-year course structure and syllabi Final Copy.
4. R-20 Model Paper

Kindly send your acceptance and approval through mail.

Thanks and Regards,

**Dr Nagesh Deevi,**  
**Head of the Department,**  
**Department of ECE,**  
**Pragati Engineering College**  
**1-378 ADB Road, Surampalem,**  
**Near Peddapuram, E.G.Dt., A.P**  
**|Phone : (L) +91 8852-252233 | (M) +91 9912299539|**

**Re: Minutes of Meeting-Board of Studies Meeting held on 21-1-2021-Reg**

NARASIMHASARMA N V S &lt;sarma@nitw.ac.in&gt;

Thu 1/28/2021 12:19 PM

To: HOD ECE &lt;hod\_ece@pragati.ac.in&gt;

The minutes are ok for me.

sarma

Dr. N.V.S.N. Sarma

Professor ( HAG )

Dept of ECE

N.I.T., Warangal - 506 004

INDIA

On Mon, Jan 25, 2021 at 2:48 PM HOD ECE &lt;hod\_ece@pragati.ac.in&gt; wrote:

Sir,

Greetings of the day!!!!!!

We are very much thankful for your valuable suggestions and inputs regarding the finalization of R-19 Syllabi (III, IV year) and R-20 course structure and syllabi(I Year only).

I'm here by attaching Minutes of meeting for the BoS meeting held on 21-1-2021 in virtual mode for the ratification of R-19 regulation III and IV-year courses syllabi, ratification of R-20 regulation I year course structure and syllabi of courses offered by ECE department. Please find the attachments.

List of Enclosures:

1. Minutes of Meeting.
2. R-19 Syllabi Final Copy.
3. R-20-I-year course structure and syllabi Final Copy.
4. R-20 Model Paper

Kindly send your acceptance and approval through mail.

Thanks and Regards,

**Dr Nagesh Deevi,****Head of the Department,****Department of ECE,***Pragati Engineering College**1-378 ADB Road, Surampalem,**Near Peddapuram, E.G.Dt., A.P**[Phone : (L) +91 8852-252233 | (M) +91 9912299539]*

**Re: Minutes of Meeting-Board of Studies Meeting held on 21-1-2021-Reg**

Ratna Raj G &lt;gratnaraj@gmail.com&gt;

Mon 1/25/2021 7:06 PM

To: HOD ECE &lt;hod\_ece@pragati.ac.in&gt;

**approved.**

On Mon, Jan 25, 2021 at 2:48 PM HOD ECE &lt;hod\_ece@pragati.ac.in&gt; wrote:

Sir,

Greetings of the day!!!!!!

We are very much thankful for your valuable suggestions and inputs regarding the finalization of R-19 Syllabi (III, IV year) and R-20 course structure and syllabi(I Year only).

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List of Enclosures:

1. Minutes of Meeting.
2. R-19 Syllabi Final Copy.
3. R-20-I-year course structure and syllabi Final Copy.
4. R-20 Model Paper

Kindly send your acceptance and approval through mail.

Thanks and Regards,

**Dr Nagesh Deevi,**  
Head of the Department,  
Department of ECE,  
Pragati Engineering College  
1-378 ADB Road, Surampalem,  
Near Peddapuram, E.G.Dt., A.P  
| Phone : (L) +91 8852-252233 | (M) +91 9912299539 |



# PRAGATI ENGINEERING COLLEGE (Autonomous)

[Approved by AICTE, New Delhi & Permanently Affiliated to JNT University, Kakinada]  
[Conferred with 'A' Grade by NAAC & Recognized under 2(f) and 12(b) of UGC Act]  
# 1-378, ADB Road, Surampalem, E.G. District., A.P. - 533 437  
Ph: (08952) - 252233, 252234, 252235, Fax: (08952) - 252232  
(Sponsored by Gayatri Educational Society, Kakinada)

---

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

---

## Minutes of the V BoS Meeting

The following are the suggestions and resolutions of 5th BoS meeting of CSE.

1. The Head of the Department initiated the BoS meeting by welcoming all the BoS members.
2. The BoS members have suggested to replace few topics in ADSA Subject in III-I R19 Syllabus and also suggested to include the year of publication for all the concerned subjects.
3. BoS members recommended the Head of the Department to conduct a Brainstorming session to bring the awareness among the faculty regarding the PEOs and PSOs for B.Tech AI&ML and Data Science programs.
4. The BoS members have ratified the III and IV year syllabus of R19 regulation for B.Tech (CSE) program and also ratified the proposed B.Tech First Year Course Structure of B.Tech (CSE), B.Tech (CSE with Specialization of Artificial Intelligence and Machine Learning) and B.Tech (CSE with Specialization of Data Science) R20 regulation.
5. BoS members ratified the model question papers for R20 regulation.
6. BoS members ratified the platforms for MOOCs courses and Industry approved courses for R19 regulation.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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## (Autonomous)

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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### Constitution of the Board of Studies for the year 2019-2020

Board of Studies in Department of Computer Science & Engineering is constituted in the academic year 2019-2020 for One year as approved by the Academic Council.

S. No.	Recommended Composition	Details of Person(s) Identified
1	Head of the Department concerned (Chairman)	Dr. M.Radhika Mani
2	The entire faculty of each specialization	All Faculty of the Department
3	Two experts in the subject from outside the college nominated by the Academic Council.	1. Dr.M. V Pandurangarao Associate Professor & HOD Dept of CSE, IIT Hyderabad 2. Dr. D V L N Somayajulu Professor of CSE, NIT Warangal, Warangal Director, IITD(M), Kurnool
4	One expert nominated by the Vice – Chancellor from a panel of six recommended by the college principal.	Dr. Ch. Satyanarayana Professor, Dept. of CSE, JNTUK, Kakinada Registrar, JNTUK, Kakinada
5	One representative from industry /corporate sector/allied area relating to placement.	Sri. Pravoon Kumar Y, TCS-Hyderabad.
6	One postgraduate meritorious alumnus to be nominated by the principal.	Mr. V Srinivas Naresh, Professor of CSE, Sri Vasavi Engineering College, Tadepalligudem, Andhra Pradesh.



# PRAGATI ENGINEERING COLLEGE (Autonomous)

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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The 5<sup>th</sup> meeting of the Board of Studies in Computer Science & Engineering took place at conference hall of the department on 20/1/2021.

### Members Present

**1. Chairman-BoS**

Dr. M.Radhika Mani  
Professor & HOD, Department of CSE,  
Pragati Engineering College,  
Surampalem. A. P.  
India.

**2. University Nominee**

Dr. Ch. Satyanarayana  
Registrar  
Professor of CSE,  
JNTUK, Kakinada. A. P.  
India.

**3. Subject Expert**

Dr. D V L N Somayajulu  
Director, IITD(M), Kurnool  
Professor of CSE,  
NIT Warangal, Warangal., T.N.  
India.

Dr. M.V. Panduranga Rao  
Associate Professor of CSE,  
IIT Hyderabad, T.N.  
India.

**4. Industry Expert**

Sri Praveen Kumar Y,  
TCS-Hyderabad. India

**5. Alumni**

Mr. V Srinivas Naresh,  
Professor of Computer Science and Engineering,  
Sri Vasavi Engineering College,

**FIFTH BOARD OF STUDIES MEETING  
OF  
INFORMATION TECHNOLOGY**

**2020-21**



*Convened on 20<sup>th</sup> January 2021*

**DEPARTMENT OF INFORMATION TECHNOLOGY  
PRAGATI ENGINEERING COLLEGE**

(Autonomous)

(Accredited by NAAC and Permanently affiliated to JNTUK, Kakinada )



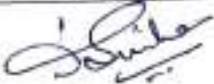
# PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Minutes of the meeting of the Board of Studies in Information Technology held on 20<sup>th</sup> January 2021.

Members Present:

S. No.	Name	Signature
1	Dr. O Srinivasa Rao Professor, Dept. of CSE, JNTUK, Kakinada	
2	Dr. R B V Subrahmanyam Assoc. Prof, Dept. of CSE NIT, Warangal	
3	Dr. Manas Ranjan Patra Head – Dept. of CSE Berhampur University, Berhampur, Odisha	
4	Mrs. D Sirisha (Chairman) HoD – Dept of IT	

AGENDA:

1. Welcome address by Chairman – BOS
2. Ratification of III and IV years syllabus of R19 regulation for B.Tech program.
3. Ratification of Tentative Course Structure of I B.Tech R20 regulation.
4. Ratification of I year syllabus of B.Tech R20 regulation
5. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses.
6. Finalization of textbooks and reference books.
7. Any other item.



# PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

## RESOLUTIONS:

1. Reviewed theory and lab syllabi for the following courses in III and IV year R19 and ratified the same.
  1. Software Testing
  2. DevOps Laboratory
  3. Cryptography and Network Security
  4. Cryptography and Network Security Laboratory
  5. Agile Methodologies
  6. Big Data Technologies
  7. Big Data Technologies Laboratory
  8. Machine Learning
  9. Blockchain Technology
  10. High Performance Computing
  11. SOA and Microservices
  12. Medical Image Processing
2. Reviewed course structure of I year R20 and ratified the same.
3. Reviewed theory and lab syllabi for the following courses in I year R19 and ratified the same.
  1. Data Structures
  2. Data Structures Lab
  3. Computer Engineering Workshop
4. Model papers for internal and external examinations of both theory and laboratory courses are reviewed and ratified.

**Re: Finalized syllabi in the Board of Studies Meeting - reg.**

**Prof Dr R.B.V Subramaanyam <rbvs66@gmail.com>**

Mon 1/25/2021 4:48 PM

To: HOD IT <hod\_it@pragati.ac.in>

Professor,

I hereby give my approval and recommend the curriculum with syllabi to consider for further processing.

thanks

rbv subramanyam

\*\*\*\*\*

Prof. R Bala Venkata Subramaanyam

M.Tech.(IIT Kgp), Ph.D.(IIT Kgp)

Professor, Department of Computer Science & Engineering,

and

Chief Investigator, Electronics & ICT Academy (Set up by MeitY, Govt. of India)

National Institute of Technology,

WARANGAL - 506 004,

Telangana State, India.

Contact: +91 949 134 6969 (Personal), 9441 434 454

0870- 246 2 736 (Faculty Room), 0870 246 2700 (Head, CSE).

Residence : 1-1-353/1, Near Ramalayam, Prashanth Nagar, Near NIT, Hanamkonda, Warangal - 506004. Ph.: 0870 - 255 6969 (Landline), 833 2969 413 (mobile)

On Sun, Jan 24, 2021 at 10:22 PM HOD IT <[hod\\_it@pragati.ac.in](mailto:hod_it@pragati.ac.in)> wrote:

Respected Sir,

I request you to kindly give your approval.

Thanks & Regards

Mrs.D.Sirisha

HOD - IT,

Pragati Engineering College

(Autonomous)

Surampalem, Near Kakinada

E.G.Dist.

---

**From:** HOD IT

**Sent:** Sunday, January 24, 2021 10:19 PM

**To:** [rbvs66@gmail.com](mailto:rbvs66@gmail.com) <[rbvs66@gmail.com](mailto:rbvs66@gmail.com)>; [mrnatra12@gmail.com](mailto:mrnatra12@gmail.com) <[mrnatra12@gmail.com](mailto:mrnatra12@gmail.com)>;

[qsr\\_phd@yahoo.com](mailto:qsr_phd@yahoo.com) <[qsr\\_phd@yahoo.com](mailto:qsr_phd@yahoo.com)>

**Cc:** Principal PEC <[principal@pragati.ac.in](mailto:principal@pragati.ac.in)>; Satish Meka <[satish@pragati.ac.in](mailto:satish@pragati.ac.in)>

**Subject:** Finalized syllabi in the Board of Studies Meeting - reg.

Respected Sir

We express our sincere thanks to all the respected members of IT Department Board of Studies for reviewing the syllabi of III and IV year IT courses of R19 regulation and I year course structure and syllabi of R20 regulation and offering valuable suggestions for improvement of the same.

Please find attached the III and IV year IT courses of R19 regulation and I year course structure and syllabi of R20 regulation finalized in the Board of Studies Meeting held on 20th Jan. 2021.

We request for your cooperation in future also.

Thanks & Regards

Mrs.D.Sirisha

HOD - IT,

Pragati Engineering College

(Autonomous)

Surampalem, Near Kakinada

E.G.Dist.

Re: Fw: Finalized syllabi in the Board of Studies Meeting - reg.

Manas Ranjan Patra <mrpatra12@gmail.com>

Thu 2/4/2021 4:44 PM

To: HOD IT <hod\_it@pragati.ac.in>

Madam,

I have gone through the attached course structures and the detailed syllabi.

Everything is in order.

Hence it is approved from my side.

Please go ahead with other formalities.

---

Dr. Manas Ranjan Patra

Professor & Head

Dept. of Computer Science

Berhampur University

BERHAMPUR 760 007 INDIA

email: [mrpatra12@gmail.com](mailto:mrpatra12@gmail.com)

[mrpatra.cs@buodisha.edu.in](mailto:mrpatra.cs@buodisha.edu.in)

Cell: +91-9437145430, +91-7978629341

---

On Wed, Feb 3, 2021 at 12:00 PM HOD IT <[hod\\_it@pragati.ac.in](mailto:hod_it@pragati.ac.in)> wrote:

Respected Sir,

We express our sincere thanks to all the respected members of IT Department Board of Studies for reviewing the syllabi of III and IV year IT courses of R19 regulation and I year course structure and syllabi of R20 regulation and offering valuable suggestions for improvement of the same.

Please find attached the II and IV year IT courses of R19 regulation and I year course structure and syllabi of R20 regulation finalized in the Board of Studies Meeting held on 20th Jan. 2021.

I request you to kindly give your approval. We request for your cooperation in future also.

Thanks & Regards

Mrs.D.Sirisha

HOD - IT,

Pragati Engineering College

(Autonomous)

Surampalem, Near Kakinada

E.G.Dist.

I request you to kindly give your approval.

Thanks & Regards

Mrs.D.Sirisha

HOD - IT,  
Pragati Engineering College  
(Autonomous)  
Surampalem, Near Kakinada  
E.G. Dist.

**Re: Finalized syllabi in the Board of Studies Meeting - reg.**

SrinivasaRao Odugu <osr\_phd@yahoo.com>

Mon 1/25/2021 2:56 PM

To: HOD IT <hod\_it@pragati.ac.in>

OK madam,

Dr.Odugu.Srinivasa Rao  
B.Tech,M.Tech,Ph.D

Professor ,

Department of Computer Science & Engineering,  
University College of Engineering(Autonomous) Kakinada,

J.N.T.University Kakinada

Kakinada-533 003

Mobile 00 91 9441951718,

Off: 0884-2300866

On Sunday, January 24, 2021, 10:22:13 PM GMT+5:30, HOD IT <hod\_it@pragati.ac.in> wrote:

Respected Sir,

I request you to kindly give your approval.

Thanks & Regards

Mrs.D.Sirisha

HOD - IT,

Pragati Engineering College

(Autonomous)

Surampalem, Near Kakinada

E.G.Dist.

---

**From:** HOD IT

**Sent:** Sunday, January 24, 2021 10:19 PM

**To:** rbvs66@gmail.com <rbvs66@gmail.com>; mrpatra12@gmail.com <mrpatra12@gmail.com>;

osr\_phd@yahoo.com <osr\_phd@yahoo.com>

**Cc:** Principal PEC <principal@pragati.ac.in>; Satish Meka <satish@pragati.ac.in>

**Subject:** Finalized syllabi in the Board of Studies Meeting - reg.

Respected Sir

We express our sincere thanks to all the respected members of IT Department Board of Studies for reviewing the syllabi of III and IV year IT courses of R19 regulation and I year course structure and syllabi of R20 regulation and offering valuable suggestions for improvement of the same.

Please find attached the III and IV year IT courses of R19 regulation and I year course structure and syllabi of R20 regulation finalized in the Board of Studies Meeting held on 20th Jan. 2021.

We request for your cooperation in future also.

Thanks & Regards

Mrs.D.Sirisha

HOD - IT,

Pragati Engineering College

(Autonomous)

Surampalem, Near Kakinada

E.G. Dist.



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

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Ph: (08852) - 252233, 252234, 252235 Fax: (08852) - 252232



## DEPARTMENT OF ENGLISH

### 3<sup>rd</sup> BOARD OF STUDIES (R20) Meeting on 25-1-2021

#### Agenda :

1. Welcome Address by Chairman- BOS
2. Sharing the information regarding the list of subjects for which syllabi have to be finalized.
3. Discussion on Proposed syllabi of the above subjects and ratification of the same.
4. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses.
5. Finalization of textbooks and references books.
6. Ratification CO-PO -PSO matrix of proposed subject.
7. Any other item.

#### SCHEDULE

1. Board of studies meeting is held on 25/01/2021 through online platform at 11.00 A.M
2. Here is the link to attend the above programme.
3. Link:-  
<https://teams.microsoft.com/l/meetup-join/19%3a14c6e1b852c346639fe3c1b7be5fdc01%40thread.tacv2/1611216963242?context=%7b%22id%22%3a%22377383c2-3be0-4e01-b2c8-8526d5e58adb%22%2c%22oid%22%3a%22eab2d66f-9241-4d7d-b558-573dc6a90182%22%7d>



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## DEPARTMENT OF ENGLISH

### Functions of BOS

#### **The Board of Studies of the Department in the College:**

- a) Prepares Syllabi for English for I. B. Tech keeping in view of the objectives of the College, interest of the stakeholders and national requirement for consideration and approval of the Academic Council.
- b) Suggests methodologies for innovative teaching and evaluation techniques.
- c) Suggests panel of names to the Academic Council for appointment of examiners.
- d) Coordinates research, teaching, extension and other academic activities in the Department/college.



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## DEPARTMENT OF ENGLISH

### Composition of the Board of Studies

S.No.	Recommended Composition	Name
1	Head of the Department concerned (Chairman)	Dr. K. Chakrapani
2	The entire faculty of each specialization	All faculty of the Department.
3	Two experts in the subject from outside the college to be nominated by the Academic Council.	1.Prof.K.Venkat Reddy Professor, Department of English, EFL University, Hyderabad.  2.Dr.C.L.L.Jayapradha Professor, Department of English, Andhra University, Visakhapatnam.
4	One expert to be nominated by the Vice-Chancellor from a panel of six recommended by the college Principal.	Dr. D. Jyothirmai, Associate Professor of English Directorate of Admissions, Adikavi Nannaya University, Rajamahendravaram, E .G Dist



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Ph: (08852) - 252233, 252234, 252235 Fax: (08852) - 252232



## DEPARTMENT OF ENGLISH

The board of English studies has met on 25/1/2021 through online by Microsoft Teams App at 11.00 A.M for the academic year 2020-2021.

### Members Present:

Sl.No.	Member	Signature
1.	<b>University Nominee</b> Dr.D.Jyothirmal, Associate Professor Directorate of Admissions, Adikavi Nannaya University, Rajamahendravaram, E G Dist.	
2.	<b>Subject Expert</b> Prof.K.Venkat Reddy, Professor EFL University, Hyderabad	
3.	<b>Subject Expert</b> Dr.C.L.L.Jayapradha, Professor, Department of English, Andhra University, Visakhapatnam.	
4.	<b>Chairman</b> Dr. K.Chakrapani Head of the Department Department of English	



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## DEPARTMENT OF ENGLISH

### Representation from the Department

Sl.No.	Member	Signature
1.	Mrs. M. Madhavi Assistant Professor Department of English	
2.	Mr. J. D. Naidu Assistant Professor Department of English	
3.	Mr. S. Prasad Assistant Professor Department of English	
4.	Dr. P.C. Viswanath Assistant Professor Department of English	
5.	Mr. G.V. Ratnam Assistant Professor Department of English	
6.	Mr. K. Balaji Assistant Professor Department of English	
7.	Mrs. S. Chandrakala Assistant Professor Department of English	
8.	Mr. Ajay Kumar Varma Assistant Professor Department of English	



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## DEPARTMENT OF ENGLISH

### MINUTES OF THE BOARD OF STUDIES R-20 (BOS) MEETING

The Board of English studies is held on 25/1/2021 online by Microsoft Teams App at 11.00 A.M and discussed the course structure and the syllabi thoroughly and resolved the following.

#### **Considered Item No: 2**

1. Discussed the proposed course structure for I Semester Professional, communicative English and Professional, communicative English Labs courses for I semester of I. B.Tech and ratified the same.

#### **Considered Item No. 3**

It is resolved to ratify syllabus of I. B. Tech I semester subjected to the following suggestions:

1. PROFESSIONAL COMMUNICATIVE ENGLISH, published by Maruthi Publications.
1. PANORAMA: A COURSE ON READING published by Oxford University Press, India.

#### **I Semester (Lab)**

1. Strengthen Your Steps: A Multi-Model Course in Communication Skills published by Maruti Publications

#### **Considered Item No: 4**

It is resolved to adopt the scheme of evaluation for Internal and External Examinations as per the Academic council's resolutions. The proposed model papers for internal and external examinations of both theory and laboratory courses are ratified with the board's following suggestions.



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

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1-378, ADB Road, Syrampalem - 533 437, Near Peddapuram, E.G.Dist., A.P.

Ph: (08852) - 252233, 252234, 252235 Fax: (08852) - 252232



Learning is Supreme Duty

1. Question paper must reflect Language Learnt rather than the content of the lessons.
2. Grammar vocabulary items must be set in the appropriate content. Discourage the use of isolated sentences.
3. Question paper must be single quote reachable.
4. Laboratory examination must include questions on listening components and Pronunciation.

## Considered Item No: 5

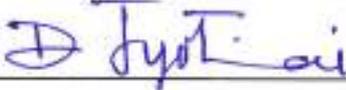
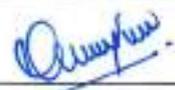
- The revised list of reference books and the texts books for I. B. Tech is discussed and approved.
- Committee has authorized Chairman, BoS to incorporate Changes suggested in Syllabus books.

## Considered Item No: 6

Further suggestions were given to develop the course outcomes. The suggestions are:

- The learning sessions must be extended to two periods to incorporate post-teaching activities in due course.
- Laboratory sessions must allocate more listening activities compared to other activities.

## Members of BoS

			
Affiliating University Nominated Member	External Expert Member	External Expert Member	Chairman of BOS
Dr.D.Jyothirmai, Adakai Nannaya University Rajamahindravaram.	Prof.K.Venkat Reddy, EFL University, Hyderabad	Prof.C.L.L.Jayaprada Andhra University, Visakhapatnam.	Dr. K.Chakrapani BoS - Chairman

**Request for approving resolutions taken in BOS meeting held on 25/1/2021** - Reg

**K. Venkat Reddy** <venkatorefi@gmail.com>  
 Wed 1/27/2021 10:11 AM  
 To: chakrapani.k  
 Dear Chakrapani

I approve the syllabus that was discussed in the meeting of the BOS held on 25 January, 2021.

Best wishes  
 Happy teaching

Venkat

Dr. K. Venkat Reddy  
 Professor & Head  
 The Department of Training and Development  
 The English & Foreign Languages University  
 Hyderabad - 500 007  
 India

---

**K. Venkat Reddy**  
 > Request for approving resolution... 10:11 AM  
 Dear Chakrapani I approve the syllabus that w...  
 English BOS R - ...

**Srikanth Kosaraju**  
 > 2020-2021 I B, Tech EEE, CSE-All... 10:10 AM  
 Tue 1/5 to Sat 1/30  
 No conflicts  
 RSVP

**jaysprada challa**  
 > Request for approving resolutions ... 8:10 AM  
 Dear Dr Chakrapani, I noted that you included ...  
 English BOS R - ...

**Jyothirmal Dakkumalla**  
 > Request you approving resolution... 8:08 AM

Folder	Count
Inbox	47
Drafts	28
Sent Items	
Scheduled	
Deleted Items	93
Junk Email	
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Notes	

**Request you approving resolutions taken in Bos meeting held on 25/1/2021** - Reg

**Jyothirmal Dakkumalla** <jyothirmaidakkumalla@gmail.com>  
Wed 1/27/2021 8:09 AM  
To: chakrapani.k

I approve the same  
Regards  
...

On Wed, Jan 27, 2021, 12:01 AM chakrapani.k <chakrapani.k@greggati.ac.in> wrote:  
Respected Madam

We discussed English subject BoS for I.B. Tech 1 Semester R-20 course regulation held on 25/1/2021 at 11.A.M through online Microsoft Teams App. We have incorporated all suggestions given by you in the BoS meeting. Here attached the resolutions taken by board members. So, we humbly request you approve the syllabus.

With Regards,  
**Dr. K. CHAKRAPANI**  
M.A Eng LRI, PGDCE, Ph.D  
Assistant Professor of English  
Department of Basic Science & Humanities.

Request for approving resolutions taken in BoS meeting held on 25/1/2021 - Reg

Jyaprada challa <jaya\_d1@yahoo.com>  
Wed 1/27/2021 8:10 AM

To: chakrapani

Dear Dr Chakrapani

I noted that you included most of the changes we suggested at the BOS meeting. Just two more things to be included - 1. replacement of traditional grammar books with contemporary one  
2. Laboratory examination should consist of practice of connected speech and reading about a short unknown passage  
I approve the resolutions of Board of Studies online meeting

Sincerely,

C.L.L Jayaprada

Prof C.L.L.JAYAPRADA, Read Professor of English Andhra University Visakhapatnam - 530003 Mob. 9866396192 OR 0891 204 4341 Res 0891 2531370

...

Reply Forward

Chakrapani

Respected Madam We discussed English subject BoS for LB, Tech I Semester R-2...

Tue 1/28/2021 11:59 PM

You are recording this meeting. Be sure to let everyone know that they are being recorded. Show conversation

Dismiss



### Participants

- Tap a name
- AAK Manu
- Reddy K
- C. L. L. Jayaprade
- channarayana s
- Dr. K Venkat Reddy (Guest)
- M. Madhavan
- nandu
- PC Viswanath
- Prasad S





**PRAGATI ENGINEERING COLLEGE :: SURAMPALEM**  
**(Autonomous)**  
**Department of Mathematics**

Minutes of Board of Studies Meeting in Mathematics (Online) held on 20-01-2021

**AGENDA:**

1. Welcome Address by Chairman-BoS
2. Sharing the information regarding the list of subjects for which syllabi has to be finalized.
3. Discussion on proposed syllabi of Mathematics subjects and ratification of the same.
4. Ratification of the proposed model papers for internal and external examinations of theory courses.
5. Finalization of text books and reference books.
6. Any other item.

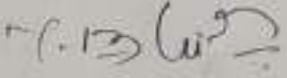
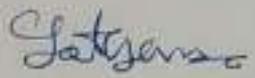
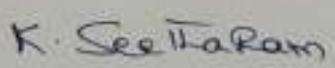
**RESOLUTIONS:**

The Board of Studies of Mathematics (PEC) has met on 20-01-2021 in **Online** through **Teams app at 10:30 AM** and discussed the course structure and the syllabi thoroughly and resolved the following.

1. The course titled "**Differential Equations and Numerical Methods**" be offered in the I B. Tech I semester (common to all branches). Approved syllabus is given in **Annexure – 1**.
2. The course titled "**Linear Algebra and Partial Differential Equations**" be offered in I B. Tech I semester for Electrical and Electronics Engineering branch. Approved syllabus is given in **Annexure – 2**.
3. The course titled "**Linear Algebra and Partial Differential Equations**" be offered in I B. Tech II semester for Civil Engineering, Mechanical Engineering, Electronics and Communication Engineering, Computer Science & Engineering, Computer Science and Engineering- Data Science, Computer Science and Engineering – Artificial Intelligence & Machine Learning and Information Technology branches. Approved syllabus is given in **Annexure – 3**.

4. The course titled "Transforms and Vector Calculus" be offered in the I B. Tech II semester for Electrical and Electronics Engineering branch. Approved syllabus is given in Annexure – 4.
5. The Committee ratified the proposed CO-PO-PSO matrix given in Annexure – 5.
6. The Committee ratified the proposed model papers.
7. Text books and reference books are recommended for all the above papers.
8. Chairman BOS is authorized to take signatures from internal BOS members

**Members Present:**

Name of the member	Position in BoS	Signature
1. Dr. M*Balaiah Associate Professor & HoD	Chairman	
2. Dr. G.V.S.R Deekshitulu Head & Professor of Mathematics, Director of FDC, JNTUK, Kakinada.	University Nominee	
3. Dr. G.P. Raja Sekhar Professor of Mathematics IIT, Kharagpur.	Subject Expert	
4. Dr. V. Ananta Laxmi Department of Mathematics P.R.Govt. College (A) Kakinada.	Subject Expert	
5. Dr. T. Satyanarayana Associate Professor	Member	
6. Mr. M.V. Raghava Reddy Associate Professor	Member	
7. Mr. A. Nagendra Assistant Professor	Member	
8. Mr. K. Seetharam Assistant Professor	Member	

Dr. Dilekshidulu GVSR <dilatgvsr@gmail.com>  
Wed 1/20/2021 4:33 PM  
To: HOD BSH  
Approved

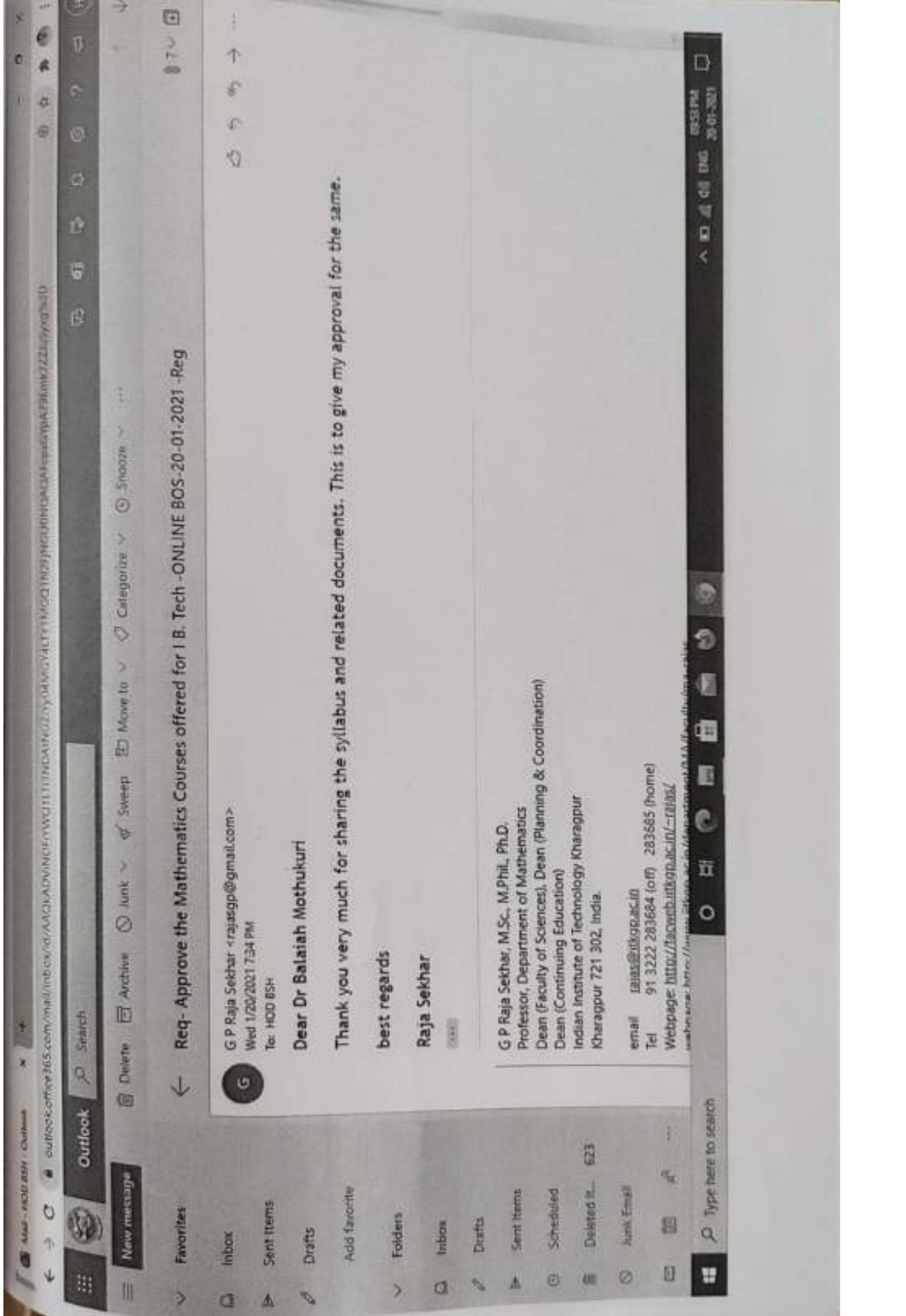
On Wed, Jan 20, 2021, 4:11 PM HOD BSH <hod\_bsh@pragati.ac.in> wrote:  
Dear Sir/Madam,

We have discussed the Mathematics subjects for I.B. Tech Courses for R20 Regulation held at 10:30 AM today in ONLINE Board of Studies Meeting. I have incorporated suggestions given in the discussion. Also I have attached the Resolutions. Hence I request you to kindly approve the syllabus which I have attached here.

Please find the attachment.

With Regards,  
Dr. Balaiah Muthukuri

M.Sc., M.Phil., Ph.D.  
Assoc. Prof. of Mathematics,  
Head - Department of BS&H,  
Pragati Engineering College,  
1-378, ADB Road, Suramangalam



Req- Approve the Mathematics Courses offered for I B. Tech -ONLINE BOS-20-01-2021 -Reg

G P Raja Sekhar <rajasgp@gmail.com>  
Wed 1/20/2021 7:34 PM  
To: HOD BSH

Dear Dr Balaiah Mothukuri

Thank you very much for sharing the syllabus and related documents. This is to give my approval for the same.

best regards

Raja Sekhar

G P Raja Sekhar, M.Sc., M.Phil, Ph.D.  
Professor, Department of Mathematics  
Dean (Faculty of Sciences), Dean (Planning & Coordination)  
Dean (Continuing Education)  
Indian Institute of Technology Kharagpur  
Kharagpur 721 302, India.

email: [rajas@iitkgp.ac.in](mailto:rajas@iitkgp.ac.in)  
Tel: 91 3222 283684 (off) 283565 (home)  
Webpage: <http://facombarts.iitkgp.ac.in/~rajas/>

Req- Approve the Mathematics Courses offered for I B. Tech -ONLINE BOS-20-01-2021 -Reg

**VL** V Anantha Lakshmi <ananthamaths@rediffmail.com >  
Wed 1/20/2021 5:36 PM  
Re: HOD BSH

Sir, approved the syllabus attached by you.

With regards,

**Dr. V. ANANTHA LAKSHMI,**  
Principal,  
Government Degree College,  
Pithapuram, E.G.DL

Mobile: 9953786386.

Sent from Rediffmailing on Android

Thank you  
Thank you very much  
Great, thank you so much!

Are the suggestions above helpful? Yes No

Reply Forward

From: HOD, BSH <hod\_bsh@lkn.ac.in>

Type here to search

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- Deleted It... - 623
- Junk Email



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

(Approved by AICTE, Permanently Affiliated to JNTUK Kakinada & Accredited by NAAC A Grade)

1-378, ADB Road, Surampalem - 533 437, Near Peddapuram, E.G. Dist., A.P.

Ph: (08852) - 252233, 252234, 252235 Fax: (08852) - 252232

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## BOARD OF STUDIES-PHYSICS

2020-2021

23<sup>th</sup> January, 2021

DEPARTMENT OF PHYSICS



**PRAGATI ENGINEERING COLLEGE: SURAMPALEM**  
(Autonomous)

**Composition of the Board of Studies R20(Autonomous)**

**Department of Physics**

S.No.	Recommended Composition	Name of the Person
1	Head of the Department concerned (Chairman)	Sri.P.Raj Shekhar Phaneendra
2	The entire faculty of each specialization	All faculty of the department
3	Two experts in the subject from outside the college nominated previously	1. Prof.K.Chandra Mouli Rtd Professor, Engineering Physics, UCE, Andhra University Ph: 09704364654 ckemburu@rediffmail.com  2. Dr. M Ravi Kumar Professor of Physics GITAM Institute of Science Ph: 9440424520 ravikumarmuktineni5@gmail.com
4	One expert nominated by the vice - chancellor from a panel of six recommended by the college principal.	Dr G.Padmaja Rani Professor & HOD,Department of Physics JNTUK,Kakinada Email: padmajaranig@yahoo.co.in Ph: 9440463002
5	One representative from industry /corporate sector/allied area relating to placement.	-----
6	One postgraduate meritorious alumnus to be nominated by the principal.	-----



# PRAGATI ENGINEERING COLLEGE (Autonomous)

(Approved by AICTE, Permanently Affiliated to JNTUK Kakimada & Accredited by NAAC)  
F-178, A/DH Road, Surampalem - 533 437, Near Peddapuram, E.G.Dm., A.P.

## DEPARTMENT OF PHYSICS

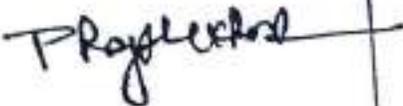
### 1<sup>st</sup> BOARD OF STUDIES (R20) Meeting on 23.1.2021

#### Agenda

1. Welcome Address by Chairman-BOS
2. Sharing the information regarding the list of subjects for which the syllabus is to be finalized.
3. Discussion on proposed syllabi of the above subjects and ratification of the same.
4. Ratification of CO-PO-PSO mapping for the proposed subjects.
5. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses.
6. Finalization of textbooks and reference books.
7. Any other item.

#### SCHEDULE: Online BOS Meeting

1. Welcome Address by Chairman-BOS regarding common BOS guidelines – 2:30 PM to 2.40 PM.
2. BOS meeting at department – 2.40 PM to 04.00 PM.

No.	Name of the Faculty	Role	Signature
1.	Dr G.Padmaja Rani Professor & HOD, Department of Physics JNTUK, Kakinada Email: padmajaranig@yahoo.co.in Ph: 9440463002	Affiliating University Nominee	
2.	Dr. M Ravi Kumar Professor of Physics GITAM Institute of Science Ph: 9440424520 ravikumarmuktineni5@gmail.com	External Member	
3.	Prof.K.Chandra Mouli Rtd Professor, Engineering Physics, UCE, Andhra University Ph: 09704364654 ckemburu@rediffmail.com	External member	
4.	Sri.P.Raj Shekhar Phaneendra	Head of the Physics Department BOS -Chairman	
Internal Members of the Department			



## MINUTES OF BOARD OF STUDIES R20 (BOS) MEETING

### DEPARTMENT OF PHYSICS

The Board of studies (BOS) of the Physics department is held on 23-1-2021 at 3 PM through Online Mode in Teams App of the college to discuss the points present in the agenda. The BOS members attended the meeting.

#### **Considered Item No.1**

BoS Chairman presented a brief on common BoS guidelines, course structure and evaluation procedure and members gave consent to proceed into the details of syllabus discussion.

#### **Considered Item No.2**

The Proposed list subjects (both Theory and labs) placed on the table for which syllabus is to be finalised was discussed and approved by the members.

The Members of the BOS Physics discussed the Agenda item for the allocation of the subject titles and syllabus and suggested that

- Generally, it is proposed to have two different papers of Physics, i.e. Engineering Physics Theory and Laboratory (for Non Circutal Branches like Civil and mechanical Branches etc and Applied Physics Theory and Laboratory for Circutal Branches like EEE, ECE, CSE, CSE (DS), CSE (AI& ML), IT etc based on relevant topics.
- The affiliating university (JNTUK, Kakinada) prescribed course in physics for Circutal Branches is Applied Physics, and Non-circutal Branches is Engineering Physics, and the same nomenclature will continue.

#### **Considered Item No.3**

The request letter from BoS Mechanical Department was placed before the Members was discussed and was resolved to include the topics as per the requirement of the Non circutal branches.

#### **Considered Item No.4**

- Draft Copy of Syllabi of I Year B.Tech Applied Physics (Theory), Applied Physics Laboratory (Lab), Engineering Physics (Theory), Engineering Physics (Lab), were discussed, approved and ratified with minor changes.
- Members suggested to include Nptel web links as resources in syllabus.

#### Considered Item No.4

CO Mapping for the subject was discussed and ratified with minor changes

#### Considered Item No.5

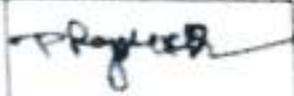
Model question Papers of internal and external examination are ratified with minor suggestions.

#### Considered Item No.6

Text Books and Reference Books are ratified.

*Committee has authorised Chairman, BoS to incorporate Changes suggested in Syllabus books.*

#### Members of BoS

			
Dr. C. Padmaja Rao Professor & HOD, Department of Physics JNTU, K. Kakinada Email: padmajarao@yasho.co.in Ph: 9447411332 (University Nominee)	Dr. M Ravi Kumar Professor of Physics GITAM Institute of Science Ph: 9440424520 ravikumarmuktireni5@gmail.com  (External member)	Prof K Chandra Mouli Retd Professor, Engineering Physics, UCE, Andhra University Ph: 09704364654 ckemburu@rediffmail.com  (External member)	Mr P Raj Shekhar Phaneendra, Assoc. Prof &  (BOS Chairman)

			
Mr. C. Subashankar Rao Asst. Prof. (Internal member)	Mr. N. Ramakrishna, Asst. Prof. (Internal member)	Mrs. P. Kiranmai Asst. Prof. (Internal Member)	Mrs. V. Nagesh Lakshmi Asst. Prof. (Internal Member)



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# PRAGATI ENGINEERING COLLEGE

(Autonomous)

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1-378, ADB Road, Surampalem - 533 437, Near Peddapuram, E.G. Dist., A.P.

Ph: (08852) - 252233, 252234, 252235 Fax: (08852) - 252232



## BOARD OF STUDIES

2020-21

### DEPARTMENT OF CHEMISTRY AND ENVIRONMENTAL SCIENCES

25-01-2021

**PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)  
SURAMPALEM**

**Department of Chemistry/Env  
Composition of the Board of Studies**

**R20 -Regulations**

S.No.	Recommended Composition	Name	Signature
1	Head of the Department concerned Chairman-BOS	Dr. P.V.S. Machi Raju Professor of Chemistry, Dean-R&D	
2	The entire faculty of each specialization (Members of BOS)	1. Sri. P.Satyanarayana 2. Mrs. A.Jyotsna 3. Mrs. K. Vani Sri Krishna 4. Mrs. R. Amulyam 5. Dr. K. A. Aravinda Kumar 6. Mrs. P.Sravani 7. Mrs.S.Bhargavi 8. Mrs. N.Prasanthi	1. P.Satyanarayana 2.  3. (on leave) 4. R.A.T 5. K.A.Aravinda 6. P.Sravani 7. S.Bhargavi 8. (on leave)
3	Two experts in the subject from outside the college to be nominated by the Academic Council.	1. Dr. G. Ranga Rao, Professor of Chemistry IIT, Madras Ph:9444941086  2. Prof. B. Venkateswara Rao Professor of Chemistry, AUCE A.U. Visakhapatnam Ph:9440215157	
4	One experts to be nominated by the vice - chancellor from a panel of six recommended by the college principal.	Prof. P.V.V. Prasada Rao Dept. of Environmental studies Andhra University Visakhapatnam. Ph : 9493801658	
5	One representative from industry /corporate sector/allied area relating to placement.		
6	One postgraduate meritorious alumnus to be nominated by the principal.	—	

From  
Dr.P.V.S.MACHIRAJU  
Professor of Chemistry, Dean-R&D  
Chairman, BOS-Chemistry & Environmental Sciences  
Pragati Engineering College (Autonomous)  
Surampalem-533437, A.P  
Ph: 9246691641  
E.mail: drpvsm.res@gmail.com

To  
Prof. P.V.V.Prasada Rao garu  
Dept. of Environmental Sciences  
Andhra University  
Visakhapatnam

Respected Sir,

I am pleased to welcome you Sir as JNTUK University nominee for the Chemistry & Environmental Sciences -BOS meeting on 25-1-2021 Monday at 2.00 PM online Zoom meeting App/Microsoft App.

I am herewith attaching the copy of the proposed syllabus for your kind consideration and welcoming your valuable suggestions for finalization of the R-20 regulations for FIRST Year B.Tech Courses of Engineering Chemistry and Applied Chemistry both theory syllabus as well as Lab syllabus. The syllabus of Environmental Sciences is also attached herewith for your consideration for finalization of the R-20 regulations.

**Agenda:**

1. Welcome Address by Chairman-BOS
2. Sharing the information regarding the list of subjects for which the syllabus is to be finalized.
3. Discussion on proposed syllabi of the above subjects and ratification of the same.
4. Ratification of CO-PO-PSO mapping for the proposed subjects.
5. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses.
6. Finalization of textbooks and reference books.
7. Any other item.

**SCHEDULE: Online BOS Meeting**

Welcome Address by Chairman-BOS regarding common BOS guidelines 2.00 PM to 2.10 PM.

BOS meeting at R&D Division: 2.10 PM to 3.00 PM.

With regards

Dr. P.V.S.MACHIRAJU

**Documents attached:**

1. Agenda & Programme Schedule
2. Syllabus copies (Theory and Lab) of Chemistry with CO-PO-PSO mappings
3. Syllabus copy of Environmental Sciences (Theory) with CO-PO-PSO mappings
4. Course Structure of Chemistry & Envi. Sciences

**\*The Meeting Link will be provided to you shortly.**

*[Signature]*  
Member

*[Signature]*  
member  
K.A. (member)

*[Signature]*  
member

*[Signature]*  
Chairman-BOS

PRAGATI ENGINEERING COLLEGE (Autonomous), Surampalem-533437  
DEPARTMENT OF CHEMISTRY/ ENVIRONMENTAL SCIENCES  
R-20 Regulations  
Minutes of Board of Studies dated 25-01-2021

The Board of Studies (BOS) of Chemistry and Environmental Science Departments is held on 25-01-2021 at 2:00 PM in R&D Division (Dean Chamber) of the College in online mode (Teams App) to discuss the proposed agenda and to adopt resolutions. The following members attended the meeting.

**Point-1:** Dr. P. V. S. Machiraju, Professor of Chemistry, Dean-R&D welcomed all the members to the BOS meeting

**Point 2:** The information regarding the proposed syllabi of the subjects, Engineering Chemistry, Applied Chemistry Theory and Laboratory and Syllabus of Environmental Sciences has been shared to the members of BOS for finalization.

**Point 3:** The proposed syllabi were discussed at length and the suggestions provided by the external BOS members Dr. G. Ranga Rao, Prof. B. Venkateswara Rao and Prof. P. V. V. Prasada Rao in Engineering Chemistry are as follows

**I. Engineering Chemistry (CE, Mech Branches):**

Prof. G. Ranga rao, IIT Madras suggested to include Applications of Nanomaterials in Lubricants in Unit -V.

II. Prof. G. Rangarao and Prof. P. V. V. Prasada Rao and Pro. B. Venkateswara Rao suggested to club experiments with serial no. 8&9 in to one experiment and to change the statement as Estimation of Strong acid against Strong Base by using conductometric titration and to mention the names of the acid and base.

III. The above suggestions made by BOS members are incorporated in the syllabi of Engineering Chemistry Theory and Laboratory has been approved and ratified.

The suggestions made by external BOS members in Applied Chemistry are as follows

**II. Applied Chemistry (ECE, CSE, IT, CSE (DS), CSE(AI&ML) Branches):**

a) In Unit -I: Electrochemical Energy Systems: Concentration cells are to be included.

b) In Unit -III B, Green Chemistry: Engineering applications are to be explained with Case study.

c) In Unit-IV: Polymer Chemistry, Vulcanization of rubber is to be included in Elastomers.

d) As Laboratory syllabus is concerned, experiments with Sl. Nos 8&9 are to be made as one experiment and to change the statement as Estimation of Strong acid against Strong Base by using conductometric titration and to mention the names of the acid and base.

e) Any 10 Experiments out of 14 can be conducted in the laboratory.

III. The Syllabus proposed for Environmental Sciences is approved and ratified without any changes or modifications.

**Point 4:** The proposed Course structures and CO-PO-PSO mapping for the proposed subjects of Engineering and Applied Chemistry and Environmental Sciences are approved and ratified.

**Point-5:** The proposed model papers for internal and external examinations of both theory and laboratory courses of EC and AC and Practicals of both subjects are approved and ratified

**Point-6:** The Textbooks and Reference books proposed are approved and ratified.

The members of the BOS authorized the Chairman, BOS of Chemistry and Environmental Sciences to incorporate the changes suggested.

**Point-7:** Any other item: Prof. P.V.V. Prasada Rao University nominee suggested to represent the concerned authorities to consider Environmental Sciences subject as a Credit course instead of an Audit course.

- It is resolved to consider the suggestion made by Prof. P.V.V. Prasada Rao to represent the concerned authorities for consideration of Environmental Sciences as a Credit course instead of an Audit course.

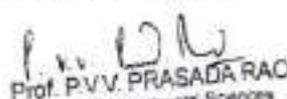
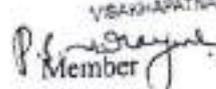
#### Signature of BOS Members

University Nominee

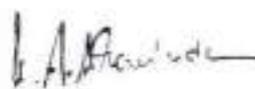
Subject Expert

Subject Expert

  
BOS- Chairman

  
Prof. P.V.V. PRASADA RAO  
Dept. of Environmental Sciences  
Andhra University  
VISAKHAPATNAM-530 003  
  
Member

  
Member

  
Member

Member

  
member

  
member

  
member



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

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## Agenda

1. Welcome Address by Chairman-BOS
2. Discussion on proposed syllabi of various subjects and ratification of the same.
3. Ratification of the proposed model papers for internal and external examinations.
4. Finalization of text books and reference books.
5. Any other item



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# PRAGATI ENGINEERING COLLEGE (Autonomous)

## Dept of Management Studies - Board of Studies

### Minutes of the meeting

Date : 25 Jan 2021 (Online)

#### Members Present

S.No	Name	Signature
1	Sri. S.Vamsi Kiran (Chairman) Assoc. Professor and TPO	
2	Dr.B.Murali Manohar, Senior Professor, VIT Business School, Vellore	Attended online
3	Dr. P. Sreedevi Assistant Professor of Commerce Department of BS and HSS JNTUK-UCEV	- do -
4	Mr. V.Arjun Hoskote Human Resources Tata Consultancy Services	- do -
5	Mr. KSVGK Murthy, Assoc Professor	
6	Mr. K.Anand, Asst. Professor	
7	Mr. B.Rajesh Kumar, Asst. Professor	
9	Mr. G.Prasanna Kumar Asst. Professor	

## Resolutions Taken

### 1) Agenda Item: Ratification of Syllabi

A) The proposed syllabus of Managerial Economics and Financial Analysis (MEFA) is ratified with the following changes

a) In Unit I: Introduction to Managerial Economics and Demand Analysis

Topic Deleted : Law of Supply

b) In Unit III: Market Structures and pricing policies and Types of Business organizations

Topic deleted : Managerial Theories of Firm

c) Proposed Unit IV (Types of Business Organization and Business Cycles) is **merged** with proposed Unit III (Introduction to Markets, Pricing Policies) to make it as one unit, i.e. **Unit III- Introduction to Markets, Pricing Policies and Types of Business Organizations.**

d) Proposed Unit V (Introduction to Accounting and Capital Budgeting) is divided into two units as

Unit IV : Introduction to Accounting

Unit V : Capital Budgeting

B) The proposed syllabus of Management Science (MS), is ratified with the below mentioned changes

a) In Unit III : Functional Management

Topic deleted : CSR case studies

Topics added : Functions of Marketing and Financial Management

C) The proposed syllabus of Marketing Management is ratified with the below mentioned changes

a) In Unit I : Introduction to Marketing

Topic added : Marketing Mix (7Ps)

D) The proposed syllabus of Entrepreneurship is ratified with the below mentioned changes

a) UNIT II : Institutional and financial support to Entrepreneurship

Topic added : Start-up Culture

b) UNIT III : Micro, Small and Medium Enterprises

Topic added : Types of MSMEs

c) Unit IV : Women Entrepreneurship and Start up Culture

Topic added : Successful Entrepreneurs (Case studies)

E) The proposed syllabus of Organizational Behaviour is ratified.

F) The proposed syllabus of Constitution of India is ratified.

G) The proposed syllabus of Intellectual Property Rights and Patents is ratified.

H) The proposed syllabus of Professional Ethics and Human Values is ratified.

**2) Agenda Item : Ratification of the proposed model papers for internal and external examinations**

The Model question papers (for both Internal and external exams) and assignments are ratified.

**3) Agenda Item : Finalization of Text Books and Reference Books.**

The proposed list of Text books and Reference Books for the following subjects are approved

- Managerial Economics and Financial Analysis
- Management Science
- Marketing Management
- Entrepreneurship
- Organizational Behaviour
- Constitution of India
- Intellectual Property Rights and Patents
- Professional Ethics and Human Values

**4) Agenda Item : Under any other item , the following was discussed**

**Topics beyond syllabus (If time permits, can be taught to students)**

- a) Managerial Economics and Financial Analysis : Law of Supply
- b) Management Science : Corporate Social Responsibility (CSR)
- c) Entrepreneurship : Interactive sessions with entrepreneurs. Awareness on Lean Startup.



## Vamsi Kiran Somayajula

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**From:** Murali Manohar B <bmm@vit.ac.in>  
**Sent:** Saturday, January 30, 2021 3:06 PM  
**To:** Vamsi Kiran Somayajula  
**Subject:** Re: Pragati Engineering College - Board of Studies Meeting  
**Attachments:** Marketing Management \_BMM.docx; Managerial Economics and Financial Analysis\_BMM.docx; Management Science\_BMM.docx; Organizational Behaviour\_BMM.docx; R20Audit courses\_BMM.docx

Dear Vamsi, greetings from VIT. I am here with attaching the syllabus copies of various courses which were discussed during the last BOS meeting held on 25-01.2021 with a note "Approved" along with digital signature for all the documents.

With thanks

Dr. B. Murali Manohar  
Professor - HAG  
VIT Business School  
(Former Director - VIT Library)  
Vellore Institute of Technology (VIT)  
Vellore-632014 (TN)  
India

**VIT – Recognised as Institution of Eminence (IoE) by Government of India**

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**From:** Vamsi Kiran Somayajula <tpo@pragati.ac.in>  
**Sent:** Friday, January 29, 2021 11:03:07 AM  
**To:** Murali Manohar B; V.ARJUN HOSKOTE; sreedevi.com@jntukucev.ac.in  
**Cc:** Principal PEC  
**Subject:** RE: Pragati Engineering College - Board of Studies Meeting

Dear Sir/Madam

Greetings !

Thank you for sparing your time in attending the BoS Meeting on 25 Jan and offering your valuable suggestions. Pls find attached the syllabi (after incorporating the suggestions) of both credit and audit courses.

I request you to Affix your digital signature at the place specified and send it back along with a one line 'approval' of the attached syllabi.

Thanks and Regards

Vamsi Kiran Somayajula  
Training & Placement Officer  
PRAGATI ENGINEERING COLLEGE (Autonomous)

**Vamsi Kiran Somayajula**

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**From:** Dr PIDUGU SREEDEVI JNTUK UCEV <sreedevi.com@jntukucev.ac.in>  
**Sent:** Monday, February 1, 2021 10:42 AM  
**To:** Vamsi Kiran Somayajula  
**Subject:** Approval of Syllabus  
**Attachments:** Organizational Behaviour.docx; Entrepreneurship.docx; Management Science (1).docx; Managerial Economics and Financial Analysis.docx; Marketing Management .docx; R20Audit courses.docx

Sir/Madam

I hereby would like to submit the approved syllabus for your college as being a BOS member of your college. the following are the below attached files.

Bank A/C: 62265888311  
SBI LTB Branch Vizianagaram  
P. Sree Devi  
SBIN0020931

**Dr. P. Sreedevi, M.Com., MBA., M.Phil., Ph.D., PGDES., APSET qualified (Management)**  
**Assistant Professor of Commerce**  
**Department of BS and HSS**  
**JNTUK-UCEV**  
**Vizianagaram**

## Vamsi Kiran Somayajula

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**From:** V.ARJUN HOSKOTE <arjun.hoskote@tcs.com>  
**Sent:** Thursday, February 4, 2021 12:02 PM  
**To:** Vamsi Kiran Somayajula  
**Subject:** Re: Pragati Engineering College - Board of Studies Meeting

Dear Sir,

I am approving the below attached syllabi.

Thanks and Regards  
Arjun Hoskote

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**From:** Vamsi Kiran Somayajula <tpo@pragati.ac.in>  
**Sent:** Friday, January 29, 2021 11:03:07 AM  
**To:** bmm@vit.ac.in <bmm@vit.ac.in>; V.ARJUN HOSKOTE <arjun.hoskote@tcs.com>; sreedevi.com@jntukucev.ac.in <sreedevi.com@jntukucev.ac.in>  
**Cc:** Principal PEC <principal@pragati.ac.in>  
**Subject:** RE: Pragati Engineering College - Board of Studies Meeting

Dear Sir/Madam

Greetings !

Thank you for sparing your time in attending the BoS Meeting on 25 Jan and offering your valuable suggestions. Pls find attached the syllabi (after incorporating the suggestions) of both credit and audit courses.

I request you to Affix your digital signature at the place specified and send it back along with a one line 'approval' of the attached syllabi.

Thanks and Regards

**Vamsi Kiran Somayajula**  
Training & Placement Officer  
**PRAGATI ENGINEERING COLLEGE (Autonomous)**  
Near Kakinada, East Godavari (dist), Andhra Pradesh  
M: +91 7702 666 337 | E: [tpo@pragati.ac.in](mailto:tpo@pragati.ac.in) | [www.pragati.ac.in](http://www.pragati.ac.in)

Pragati : An Autonomous Institution, Accredited by NAAC with 'A' grade