

**E.G.S PILLAY ENGINEERING COLLEGE (AUTONOMOUS),  
NAGAPATTINAM**

(Approved by AICTE and Affiliated to Anna University)

**7<sup>TH</sup> ACADEMIC COUNCIL MEETING**

[13/07/2021 @ 11.00 A.M.]



## **E.G.S. PILLAY ENGINEERING COLLEGE**

(An Autonomous Institution, Affiliated to Anna University, Chennai)  
Nagore Post, Nagapattinam– 611 002, Tamilnadu.

### **Minutes of the Seventh Academic Council Meeting held online at 11.00A.M. on 13.07.2021**

#### **Agenda**

- ❖ Action Taken for recommendations of Previous Meeting
- ❖ Approval of Regulation R2021 & Curriculum and syllabus for M.E. programmes.
- ❖ Approval of Curriculum and syllabus for B.E. (EEE), B.E. (CSE) and B.Tech (IT) programmes.
- ❖ Approval of B.E. Civil Engineering programme's new PEOs
- ❖ Approval for amendments and changes in Conduction of End Semester Exams for past and ongoing semesters regular and arrear subjects as per Anna University instructions during Covid19 period
- ❖ Approval of new Mission statements of ECE department and PEOs of B.E. (ECE) programme
- ❖ Approval of the revised examination and evaluation manual
- ❖ Any other matters.

#### **Conduction mode**

: Meeting conducted using GoogleMeet link in online

#### **Chairperson**

: **Dr. S. Ramabalan**, Principal

#### **University Nominees**

: **Dr. K. Ilamparuthi**,

Former Professor and Chairman,  
Faculty of Civil Engineering,  
Anna University – Chennai,  
Chennai- 600 025.

: **Dr. P. Shahabudeen**,

Former Professor,  
Department of Industrial Engineering,  
Anna University – Chennai,  
Chennai- 600 025.

: **Dr. S. Sudha**,

Professor,  
Department of Electrical and Electronics Engineering,  
National Institute of Technology,  
Tiruchirappalli - 620 015.

#### **Experts Nominated by Governing Body**

: **Dr. S. Baskar**,

Professor/Dean(R&D),  
Dept. of EEE., Thiagarajar College of Engineering,  
Madurai – 625 015.



## **E.G.S. PILLAY ENGINEERING COLLEGE**

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**: Dr. J. Ramkumar,**

Professor,

Department of Mechanical Engineering,

Indian Institute of Technology - Kanpur - 208016.

**: Dr. K. Palanikumar,**

Principal,

Sri Sai Ram Institute of Technology, Chennai – 600 044.

**: Mr. S. Venkatanarayanan,**

General Manager,

International Procurement Services,

Mercedes-Benz India Private Limited,

E-3, MIDC Chakan, Phase III, Chakan Industrial Area,

Pune - 410 501.

**: Mr. Chandrasekhar Chenniappan,**

Vice President - Virtusa,

Bengaluru, Karnataka.

### **Members**

**: Dr. R. Sivakumar,**

Professor / BoS Chairman – Civil

**: Dr. B. Padmanaban,**

Professor & Head / BoS Chairman – ECE

**: Dr. V. Mohan,**

Professor & Head / BoS Chairman – EEE

**: Dr. S. Krishnamohan,**

Professor / BoS Chairman – Mech

**: Dr. S. Manikandan,**

Associate Professor & Head / BoS Chairman – IT

**: Dr. R. Ganesan,**

Professor / BoS Chairman / BME

**: Dr. E. Edward Anand,**

Professor / BoS Chairman / SAH

**: Dr. R. Karthi,**

Professor & Director / BoS Chairman – MBA

**: Dr. J. Vanitha,**

Professor & Head / BoS Chairman – MCA



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<b>Senior Members of the Faculty</b>	: Dr. G. Gurumoorthi, Professor & Head / Mech
	: Dr. N.Murali, Professor / CSBS
	: Dr. B. Priya, Professor / CSE
	: Dr. R. Deepa, Assoc. Professor & Head / SAH
	: Dr. V. Sivaraman, Professor / Mech
<b>Recording Member</b>	: Prof. K. Geetha & Prof. John Paul, Assistant Professors / SAH
<b>Permanent Invitee</b>	: Dr. Chev. Shri. S. Paramesvaran, Secretary, EGS Pillay Group of Institutions
<b>Special Invitee</b>	: Dr. S. Chandra Sekar, CEO, EGS Pillay Group of Institutions
<b>Member Secretary</b>	: Dr. M. Chinnadurai, COE & Professor & Head, / BoS Chairman – CSE/CSBS

❖ **The Signature of members present in this Academic Council are given in Annexure-I**

The following discussions and recommendations have been made in this meeting:

- ❖ Dr. S. Ramabalan, Principal welcomed the members present in the meeting. He also introduced the members nominated by the Anna University, Chennai and expert representatives from outside the college. The Chairperson presented the action taken for suggestions made in the previous meeting as below:
- Suggestion 1: To reframe few statements in Regulation 2020 of MBA as below:  
“Students shall be advised to commence their project work during the winter vacation itself. Students need to submit an attendance certificate after completion of their work in industry”.  
Action Taken: Suggestion is carried out in MBA R2020 (3.5).
  - Suggestion 2: A common syllabus for the course Biology for Engineers is to be framed.  
Action Taken: Suggestion is carried out. A common syllabus is framed.
  - Suggestion 3: The syllabus for Engineering Exploration is to be modified.  
Action Taken: Suggestion is carried out. The syllabus is modified.



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- Suggestion 4: A statement related to evaluation process for Mandatory courses is to be added in the Regulation. Evaluation for the one credit and online courses shall be included in the regulation

Action Taken: Suggestion are carried out. (UG R2019, 17-VI and X)

- Suggestion 5: Python programming is to be taught in first year instead of C programming.

Action Taken: Suggestion is accepted. In the new curriculum, it will be done.

- Suggestion 6: EGSPEC R2017 for M.E. programmes is to be updated with new guidelines as per AICTE model curriculum and Anna University PG regulation.

Action Taken: Suggestion is carried out. Already BoS meetings are conducted.

- Suggestion 7: Finalize the curriculum of all UG programmes R2019 and finalize the total credit points to be earned by a student for getting the degree. It can be in between 155 – 160. Also finalize curriculum of all UG programmes as per Regulations R2017. If required, necessary amendments can be made.

Action Taken: Suggestions are carried out. (UG R2019 – 12.2)

- Suggestion 8: The following points are to be addressed in B.E(EEE) curriculum:

- Change the title of the subject – “Microprocessor and its applications” as “Microprocessors and Microcontrollers”.
- Basic Civil and Mechanical Subject is to be moved to third semester from fifth semester
- Object Oriented Programming subject and its lab are to be moved to fifth semester from third semester

Action Taken: Suggestions are carried out.

- Suggestion 9: Every department can limit or mention the courses to be taken in online platforms as per the expertise of faculty members. Also limit the no. of online courses per semester.

Action Taken: Suggestion is accepted and included in the regulation. (UG R2019-4.6)

- Suggestion 10: Numerical Methods, Finite Element Analysis and Python programming as core subjects.

Action Taken: Suggestion is accepted. In the new curriculum, it will be done.

❖ Dr.K.IIamparuti discussed the following points:

- ‘Biology for Engineers’ subject – Number of hours allotted for Module V is not enough. List of references and their format are to be verified.
- Total number of credits to be earned by a student to complete the degree as per EGSPEC R2021, Anna University R2018 and AICTE model curriculum.
- Audit Courses – Exam conduction and awarding credit



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- Total number of credits allotted for project work
  - Semester wise credit distribution for all M.E. programmes
  - Recent BoS meetings' minutes
  - Answer scripts collection process – Maintain a register
  - Seminar presentation can be given in 'Research methodology and IPR' subject
- ❖ Dr.P.Shahabudeen gave the following suggestions:
- 'Biology for Engineers' subject – Number of hours allotted for Module V is not enough. Applications of biology in Civil, Mechanical and other fields can be included.
  - Answer scripts collection process – Maintain a register
  - 'Research methodology and IPR' subject – Number of hours allotted for Module II is to be changed.
- ❖ Dr.S.Sudha gave the following suggestions:
- 'Biology for Engineers' subject – Syllabus is heavy. It has to be reframed.
  - Seminar presentation can be given in 'Research methodology and IPR' subject
- ❖ Dr. K. Palanikumar suggested following the students to send their answer scripts promptly.
- ❖ Dr. S. Baskar suggested the following points:
- 'Biology for Engineers' subject – Contents in Modules I – IV are to be reduced.
  - In AICTE model curriculum for M.E. programmes, the minimum number of credits to be earned by a student in each category to complete the degree is mentioned for effective implementation of CBCS system. So, it has to be included in EGSPEC R2021.
- ❖ Dr. J. Ramkumar suggested the following points:
- 'Biology for Engineers' subject – Applications of each sub title of biology is to be included in each Module. Format of references is to be corrected.
  - A declaration form can be collected from each student related of valuation of soft copy of the answer script.
- ❖ Mr. Chandrasekhar Chenniappan suggested highlighting all the important topics to be known by an engineer in 'Biology for Engineers' subject.
- ❖ Mr. S. Venkatanarayanan suggested that Modules IV and V in 'Research methodology and IPR' subject may be combined.
- ❖ After elaborate discussion, all the actions taken for previous meeting suggestions are approved in this meeting. Further 'Biology for Engineers' subject syllabus is to be reframed.
- ❖ The Principal requested the committee to approve the new regulation EGSPEC R2021 for M.E. programmes. All members discussed the points in the R2021. At the end, the new regulation EGSPEC R2021 for all M.E. programmes is approved by the committee.



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❖ The Principal requested the committee to approve curriculum and syllabus of the following programmes:

• It is requested to approve curriculum and syllabus of the following programmes:

# As per Regulation R2019,

- B.E. EEE –III year subjects (BoS meeting held on 8.7.21)
- B.E. CSE –IV year subjects (BoS meeting held on 2.7.21)
- B.Tech. IT – II to IV years' subjects (BoS meeting held on 16.7.21)

# As per Regulation R2021,

- M.E. Environmental Engineering – I & II year subjects (BoS meeting held on 12.7.21)
- M.E. Manufacturing Engineering – I & II year subjects (BoS meeting held on 11.7.21)
- M.E. Communication Engineering – I & II year subjects (BoS meeting held on 9.7.21)
- M.E. Computer Science and Engineering – I & II year subjects (BoS meeting held on 11.7.21)
- M.E. Power Electronics and Drives– I year subjects (BoS meeting held on 8.7.21)

❖ An elaborate discussion made on curriculum and Syllabus of all M.E. programmes, B.E. (CSE), B.E. (EEE) and B.Tech. (IT) programmes. They are approved.

❖ Dr. M. Chinnadurai/COE presented the details about Changes in the Conduction of Examinations. After much deliberation, Changes done in the Conduction of Examinations are approved. He also elaborated on the changes made in the examination and evaluation manual. After an elaborate discussion, the revised examination and evaluation manual is approved in this meeting.

❖ An elaborate discussion made on B.E. Civil Engineering programme's PEOs. They are approved.

❖ New Mission statements of ECE department and PEOs of B.E. (ECE) programme are approved after an elaborate discussion.

❖ The meeting was concluded with the vote of thanks from the Principal.

### It was resolved

1. To ratify all action taken for recommendations of Previous Meeting. Syllabus of "Biology for Engineers" is to be reframed.
2. To ratify all the corrections done in the regulation of M.E. programmes. EGSPEC R2021 is approved.
3. To ratify all recommendations of the Board of Studies meetings of B.E. (EEE), B.E. (CSE), B.Tech. (IT) and all M.E. programmes. The proposals placed by the Chairperson of the Board of Studies were approved by the Council Members.
4. To ratify the changes in Conduction of End Semester Exams for current and arrear subjects as per Anna University instructions during Covid19 period. Necessary amendments can be made. Also the revised examination and evaluation manual is approved in this meeting.

Chairperson of the Board of Studies & Principal

PRINCIPAL

E.G.S. PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM - 611 002.

**E.G.S. PILLAY ENGINEERING COLLEGE**

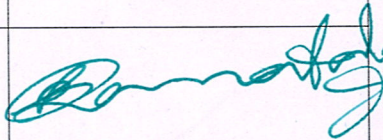

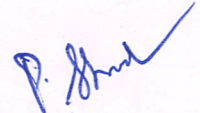
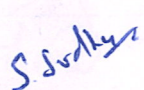

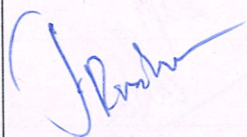
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The Members present in the Seventh Academic Council Meeting

: Online (Google Meet)

Time : 13.07.2021, 11.00 A.M

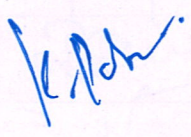
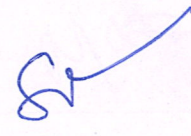

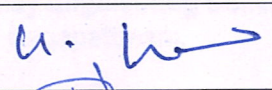
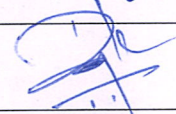
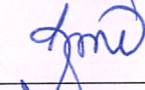
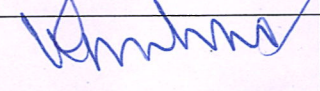
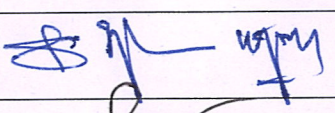
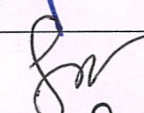
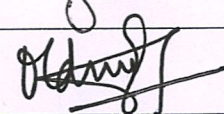
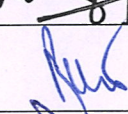
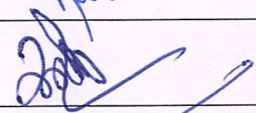
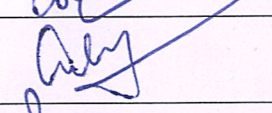
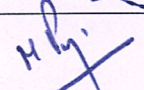
Ag No. : 7

Details of Members	Category	Signature
<b>Dr. S. Ramabalan</b> Principal	Chairperson	
<b>Dr. K. Hamparuthi,</b> Professor and Chairman (Retd), Faculty of Civil Engineering, Anna University - Chennai, Chennai- 600 025.	University Nominee	
<b>Dr. P. Shahabudeen,</b> Former Professor, Department of Industrial Engineering, Anna University - Chennai, Chennai- 600 025.	University Nominee	
<b>Dr. S. Sudha,</b> Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli - 620 015.	University Nominee	
<b>Dr. S. Baskar,</b> Professor and Dean (R&D), Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai - 625 015.	Experts Nominated by Governing Body	
<b>Dr. J. Ramkumar,</b> Professor, Department of Mechanical Engineering, Indian Institute of Technology, Kanpur - 208016.	Experts Nominated by Governing Body	



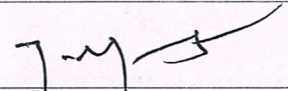
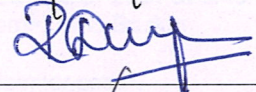

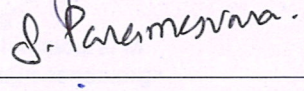
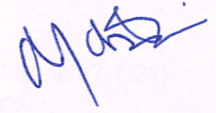
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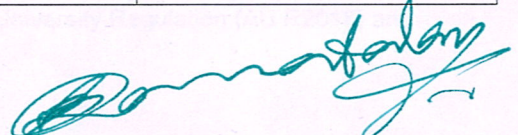
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<b>Dr. K. Palanikumar,</b> Principal, Sri Sai Ram Institute of Technology, Sairam College Road, Sai Leo Nagar, Tambaram West, Chennai - 600 044.	Experts Nominated by Governing Body	
<b>Mr. S. Venkatanarayanan,</b> General Manager, International Procurement Services, Mercedes-Benz India Private Limited, E-3, MIDC Chakan, Phase III, Chakan Industrial Area, Kuruli & Nighoje, Taluka : Khed, Pune - 410 501.	Experts Nominated by Governing Body	
<b>Mr. Chandrasekhar Chenniappan,</b> Vice President - Virtusa, Bengaluru, Karnataka, India.	Experts Nominated by Governing Body	
<b>Dr. R. Ganesan,</b> Professor & Head / BoS Chairman - BME	Members	
<b>Dr. R. Sivakumar,</b> Professor / BoS Chairman - Civil	Members	
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<b>Dr. S. Manikandan,</b> Assoc. Professor & Head / BoS Chairman - IT	Members	
<b>Dr. E. Edward Anand,</b> Professor / BoS Chairman / SAH	Members	
<b>Dr. R. Karthi,</b> Professor & Director / BoS Chairman - MBA	Members	
<b>Dr. J. Vanitha,</b> Professor & Head / BoS Chairman - MCA	Members	
<b>Dr. G. Gurumoorthi,</b> Professor & Head / Mech	Senior Members of the Faculty	
<b>Dr. M. Priya,</b> Professor / CSE	Senior Members of the Faculty	

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Prof. K. Geetha, Assistant Professor / SAH	Recording Member	
Dr. Chev. Shri. S. Paramesvaran, Secretary, EGSP Group of Institutions	Permanent Invitee	
Dr. M. Chinnadurai, Professor & Head / BoS Chairman - CSE & COE	Member Secretary	



Chairperson / Principal  
Dr. S. Ramabalan

**PRINCIPAL**  
**E.G.S. Pillay Engineering College,**  
**Nagapattinam.**



Ramabalan S <principal@egspec.org>

## seventh Academic Council meeting - Reg

Ramabalan S <principal@egspec.org>

Sat, Jul 3, 2021 at 3:49 PM

To: Ilamparuthi Kanniappan <kanniilam@gmail.com>, "psdeen@gmail.com" <psdeen@gmail.com>, Dr S Baskar <bseee@tce.edu>, Baskar Subramanian <baskar1970@gmail.com>, "Dr. K. Palanikumar" <palanikumar@sairamit.edu.in>, "venkatanarayanan.s@daimler.com" <venkatanarayanan.s@daimler.com>, "chandc70@yahoo.co.in" <chandc70@yahoo.co.in>, "hod@egspec.org" <hod@egspec.org>, "boscivil@egspec.org" <boscivil@egspec.org>, "boscese@egspec.org" <boscese@egspec.org>, BOS ECE <bosece@egspec.org>, "boseee@egspec.org" <boseee@egspec.org>, BOS IT <bosit@egspec.org>, "bosmba@egspec.org" <bosmba@egspec.org>, "bosmca@egspec.org" <bosmca@egspec.org>, "bosmech@egspec.org" <bosmech@egspec.org>, BOS S & H <bossah@egspec.org>, EGS CEO <ceo@egspec.org>, Chinnadurai M <chinnna81@gmail.com>, sudha@nitt.edu, jrkumar@iitk.ac.in, Placement EGSPEC <placement@egspec.org>

Dear Sirs/Madam,

we are going to conduct the 7th Academic Council meeting in the third week of this month (14.7.21 to 17.7.21) through Google meet App. We are conducting this meeting to get approval for the following items:

1. New Regulation for all ME programmes (EGSPEC R2021) based on Anna University Regulation (AU R2018) and AICTE model curriculum,
2. New Curriculum and syllabus for all ME programmes
3. Changes in curriculum for BE(EEE) programme

The following documents are attached with this.

1. New Regulation for all ME programmes (EGSPEC R2021)
2. Anna University Regulation (AU R2018)
3. AICTE model curriculum
4. Our Old for all ME programmes (EGSPEC R2017)
5. A comparison sheet between all the above.

Please go through them and give your suggestions. Also please mention your convenient date and time. Estimated duration of the meeting is 30 minutes.

with kind regards

Dr.S. Ramabalan,

Principal,

EGS Pillay Engineering College,

Nagapattinam-611002.

### 8 attachments

- ① COMPARISION BETWEEN EGSPEC R2021 AND AU R 2019.docx  
15K
- ① ME Regulations R2021 19.3.21.doc  
875K
- ① ME\_Regulations\_CBCS\_2018\_19.pdf  
95K
- ① Vol\_1\_PG.pdf  
5994K
- ① EGSPEC M.E.Manf.docx  
355K
- ① ME Regulations 24.7.2017.doc  
877K



Ramabalan S &lt;principal@egspec.org&gt;

**seventh Academic Council meeting - Reg**

Ramabalan S &lt;principal@egspec.org&gt;

Sun, Jul 11, 2021 at 3:52 PM

To: Ilamparuthi Kanniappan <kanniilam@gmail.com>, "psdeen@gmail.com" <psdeen@gmail.com>, Dr S Baskar <sbaskar@tce.edu>, Baskar Subramanian <baskar1970@gmail.com>, "Dr. K. Palanikumar" <palanikumar@sairamit.edu.in>, "venkatanarayanan.s@daimler.com" <venkatanarayanan.s@daimler.com>, "chandc70@yahoo.co.in" <chandc70@yahoo.co.in>, "hod@egspec.org" <hod@egspec.org>, "boscivil@egspec.org" <boscivil@egspec.org>, "bosmse@egspec.org" <bosmse@egspec.org>, BOS ECE <boseece@egspec.org>, "boseeee@egspec.org" <boseeee@egspec.org>, BOS IT <bosit@egspec.org>, "bosmba@egspec.org" <bosmba@egspec.org>, "bosmca@egspec.org" <bosmca@egspec.org>, "bosmech@egspec.org" <bosmech@egspec.org>, BOS S & H <bossah@egspec.org>, EGS CEO <ceo@egspec.org>, Chinnadurai M <chinnadurai@gmail.com>, sudha@nitt.edu, jrkumar@iitk.ac.in, Placement EGSPEC <placement@egspec.org>, sivaraman@egspec.org

Dear Sir/Madam,

I request you all to attend our college Seventh Academic Meeting on coming Tuesday (13.7.2021) at 11.00am through GoogleMeet.

Academic Council Meeting information are as follows:

Tuesday, July 13 · 11:00am – 12:00pm

Google Meet joining info

Video call link: <https://meet.google.com/akg-fnsc-rbu>

Or dial: (US) +1 929-287-3701 PIN: 152 650 166#

Also, I attached my presentation slides, Curriculum & Syllabus of all ME programmes and B.E.EEE programme. New Syllabus of the subjects: Biology for Engineers and Engineering Exploration.

Please go through them and give your valuable suggestions.

with regards





Dr. S. Ramabalan

[Quoted text hidden]

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[Quoted text hidden]

**4 attachments**

-  Curriculum and Syllabus.rar  
5524K
-  EGSPEC ENGINEERING EXPLORATION.docx  
17K
-  egspec biology for engineers.docx  
10K
-  EGSPEC-AC 13.07.2021.pptx  
130K



Ramabalan S <principal@egspec.org>

---

**seventh Academic Council meeting - Reg**

---

Baskar Subramanian <baskar1970@gmail.com>  
to: Ramabalan S <principal@egspec.org>

Wed, Jul 14, 2021 at 4:23 PM

Dear Sir,

No corrections required  
(quoted text hidden)

With Regards,

Dr. B BASKAR, BOYBCAST Fellow  
Dean (R&D)  
Professor of Electrical & Electronics Engineering  
Thiagarajar College of Engineering  
MADURAI - 625015, TAMILNADU, INDIA  
Google Scholar: <https://scholar.google.com/citations?user=1TgzFksAAAAJ>

8/18/21, 12:33 PM

E.G.S. Pillay Engineering College Mail - seventh Academic Council meeting - Reg



Ramabalan S <principal@egspec.org>

---

**seventh Academic Council meeting - Reg**

---

Ilamparuthi Kannilappan <kanniilam@gmail.com>  
To: Ramabalan S <principal@egspec.org>

Thu, Jul 15, 2021 at 12:24 PM

Hi,  
I read the minutes and it is alright .I approve it as a member.

(quoted text hidden)

With Regards

**Dr.K. Ilamparuthi**  
Professor and Chairman (Retd)  
Faculty of Civil Engineering  
Anna University, Chennai- 600 025  
Email: [kanniilam@gmail.com](mailto:kanniilam@gmail.com)

**Residence:**  
46-2B Kings Mead Apartment  
South Mada street

Brinagar colony,

Saidapet, Chennai-600015  
Ph: +91-44-2235 2028

Cell: 9442023366



Ramabalan S <principal@egspec.org>

---

**seventh Academic Council meeting - Reg**

---

Ramabalan S <principal@egspec.org>  
To: sudha@nitt.edu

Thu, Jul 15, 2021 at 3:11 PM

Dear madam,  
I have made two corrections as per your highlights.  
Further the meaning of the statement "Total number of credits to be earned by a student to complete the degree as per EGSPEC R2021, Anna University R2018 and AICTE model curriculum." is Sum of the credits of all theory subjects and practicals from I to IV semesters.  
With kind regards  
(quoted text hidden)



Ramabalan S <principal@egspec.org>

---

**seventh Academic Council meeting - Reg**

---

S. Sudha <sudha@nitt.edu>  
Reply to: sudha@nitt.edu  
to: Ramabalan S <principal@egspec.org>

Thu, Jul 15, 2021 at 2:16 PM

Dear Sir,


The document is attached.

S. Sudha  
(mailto:sudha@nitt.edu)

Dr. S. Sudha,  
Professor,  
Electrical and Electronics Engg.,  
National Institute of Technology,  
TamilNadu,  
India- 620 015.

Website: <https://www.nitt.edu/home/academics/departments/eee/people/faculty/assocprof/sudha/>

---

 **Minutes of 7th AC Meeting-13.07.21.pdf**  
126K





Ramabalan S <principal@egspec.org>

---

**seventh Academic Council meeting - Reg**

---

S.Sudha <sudha@nitt.edu>  
Reply-To: sudha@nitt.edu  
To: Ramabalan S <principal@egspec.org>

Thu, Jul 15, 2021 at 3:47 PM

Dear Sir,

Fine,  
(quoted text hidden)



# E.G.S. PILLAY ENGINEERING COLLEGE

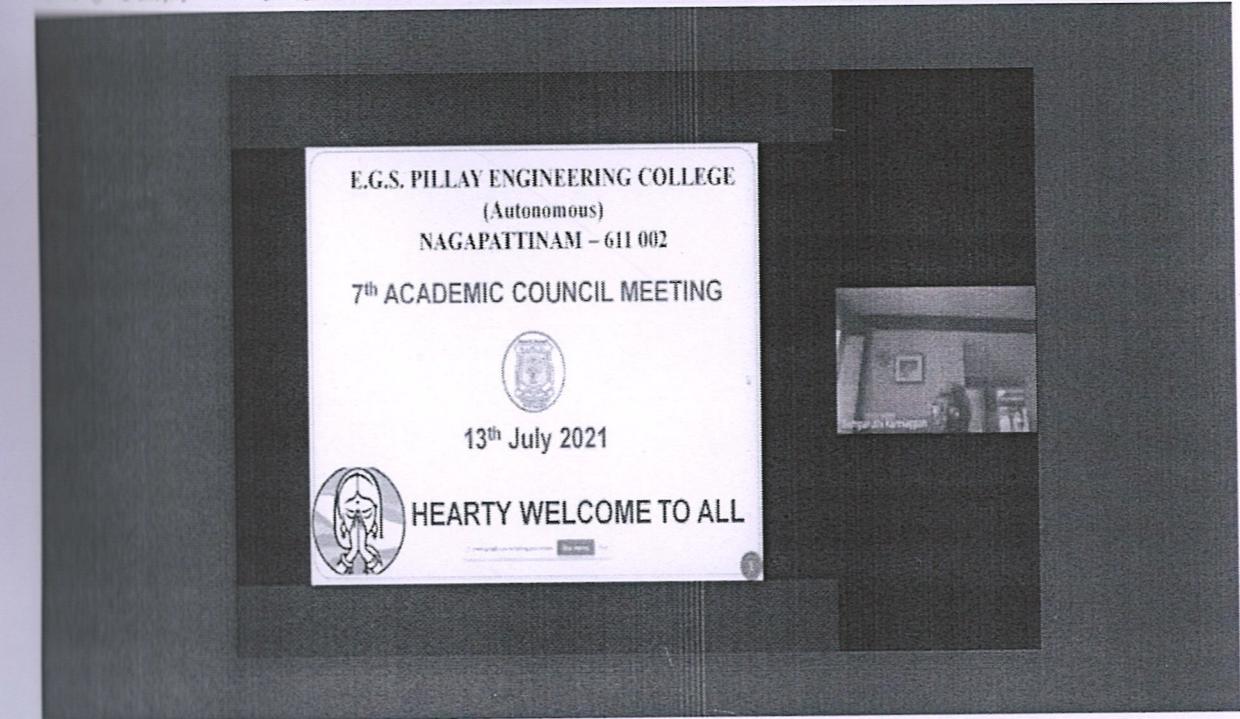
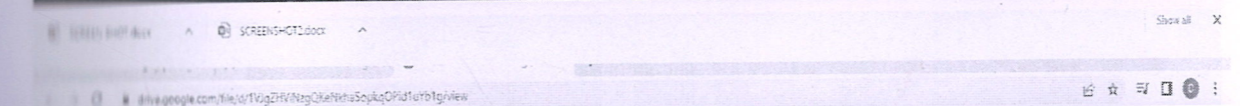
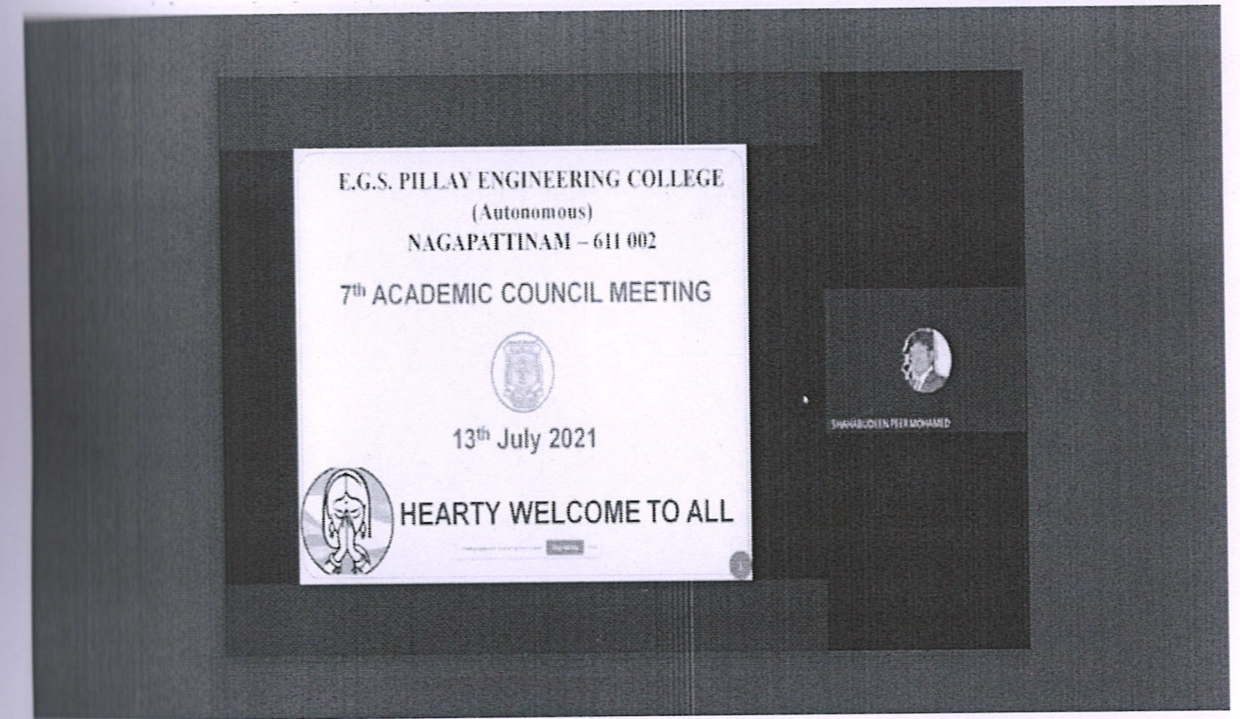
(Autonomous)

(Affiliated to Anna University, Chennai)

NBA Accredited Programmes (Civil, CSE, ECE, EEE, IT & Mech) | Accredited by NAAC with A Grade

**NAGAPATTINAM – 611 002**

Screen shots of Seventh Academic Council Meeting held on 13.07.2021



# E.G.S. PILLAY ENGINEERING COLLEGE

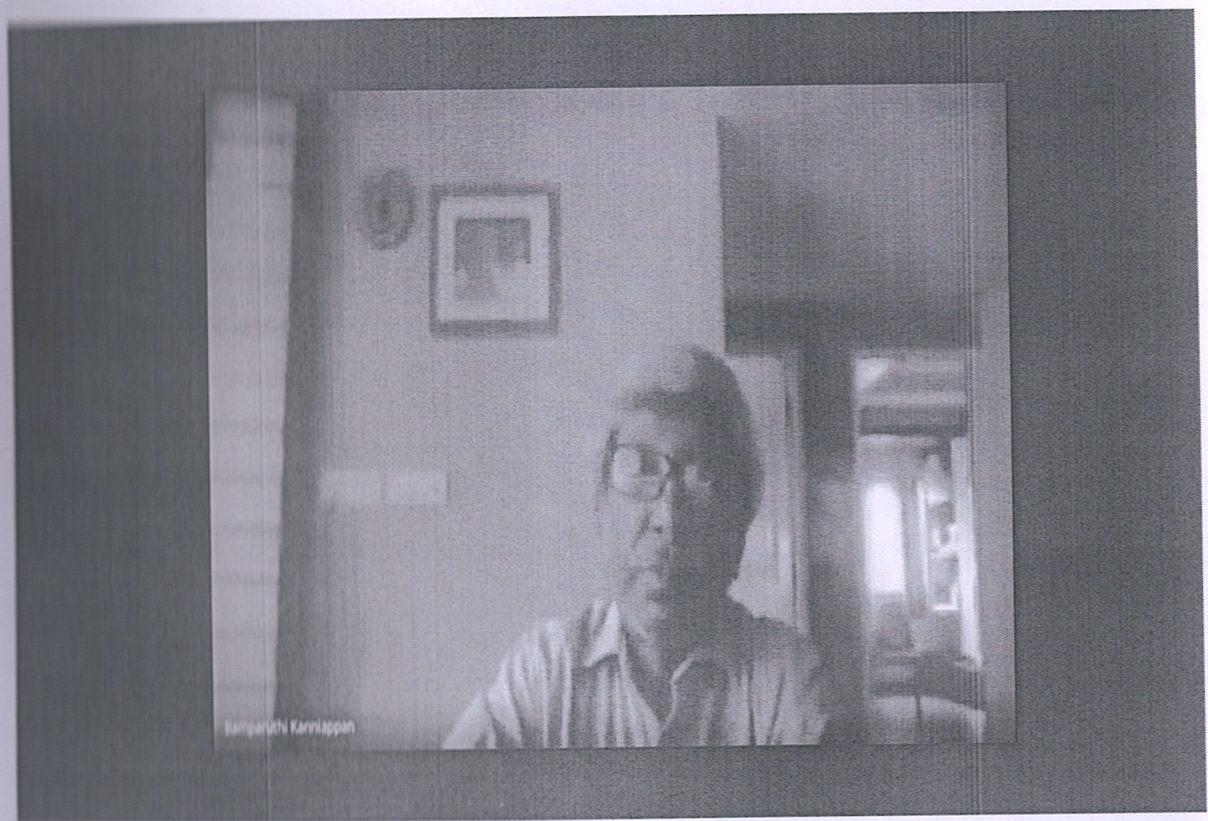
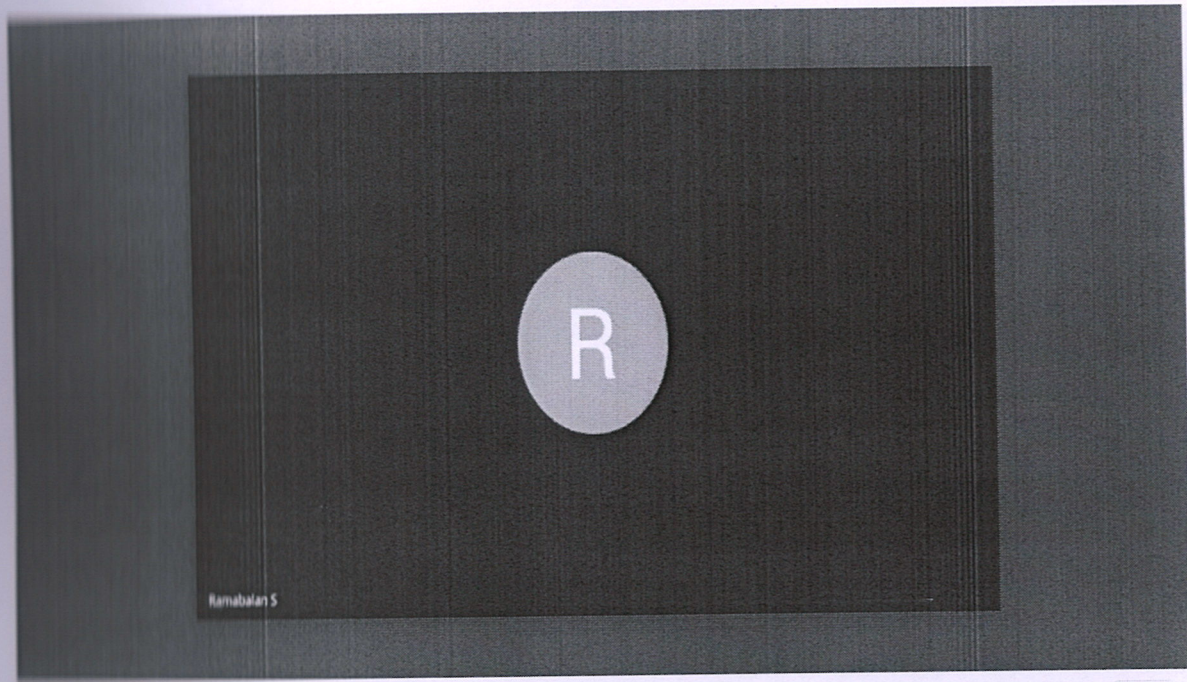
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**NAGAPATTINAM – 611 002**

Screen shots of Seventh Academic Council Meeting held on 13.07.2021





# E.G.S. PILLAY ENGINEERING COLLEGE

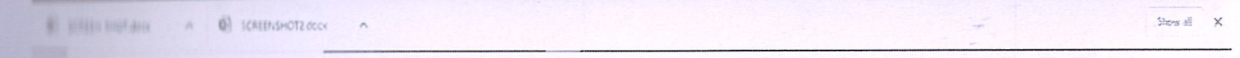
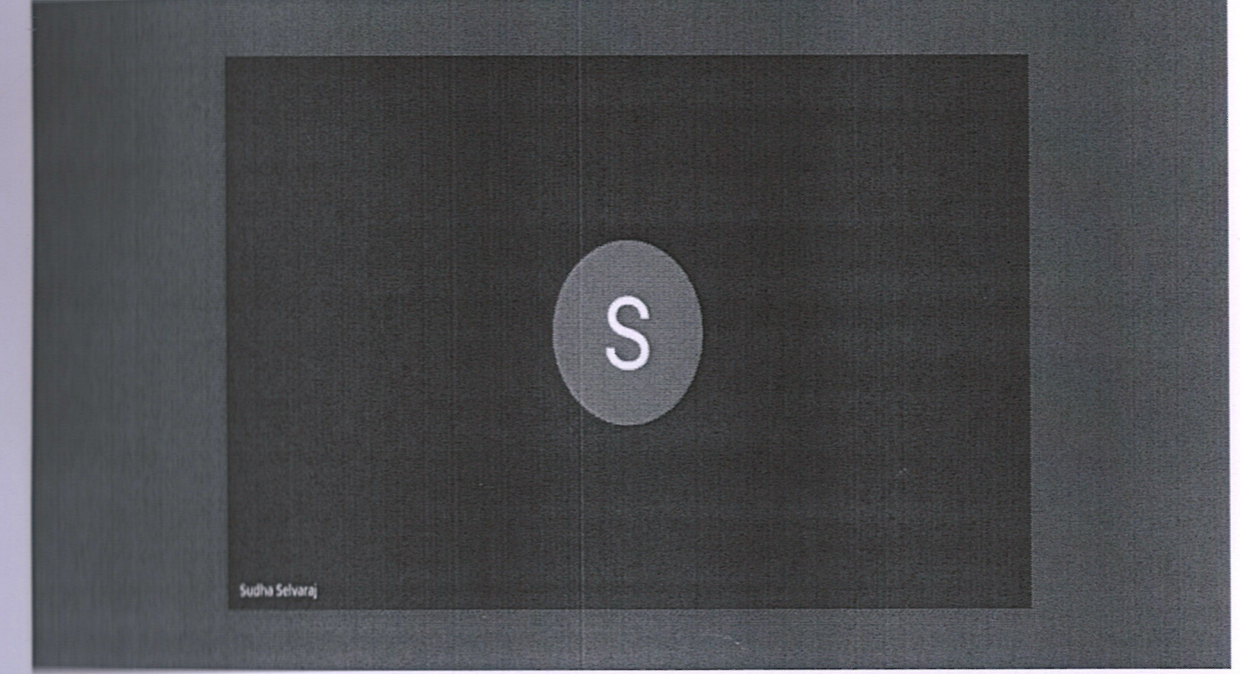
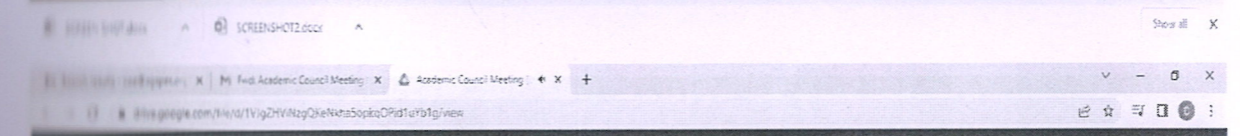
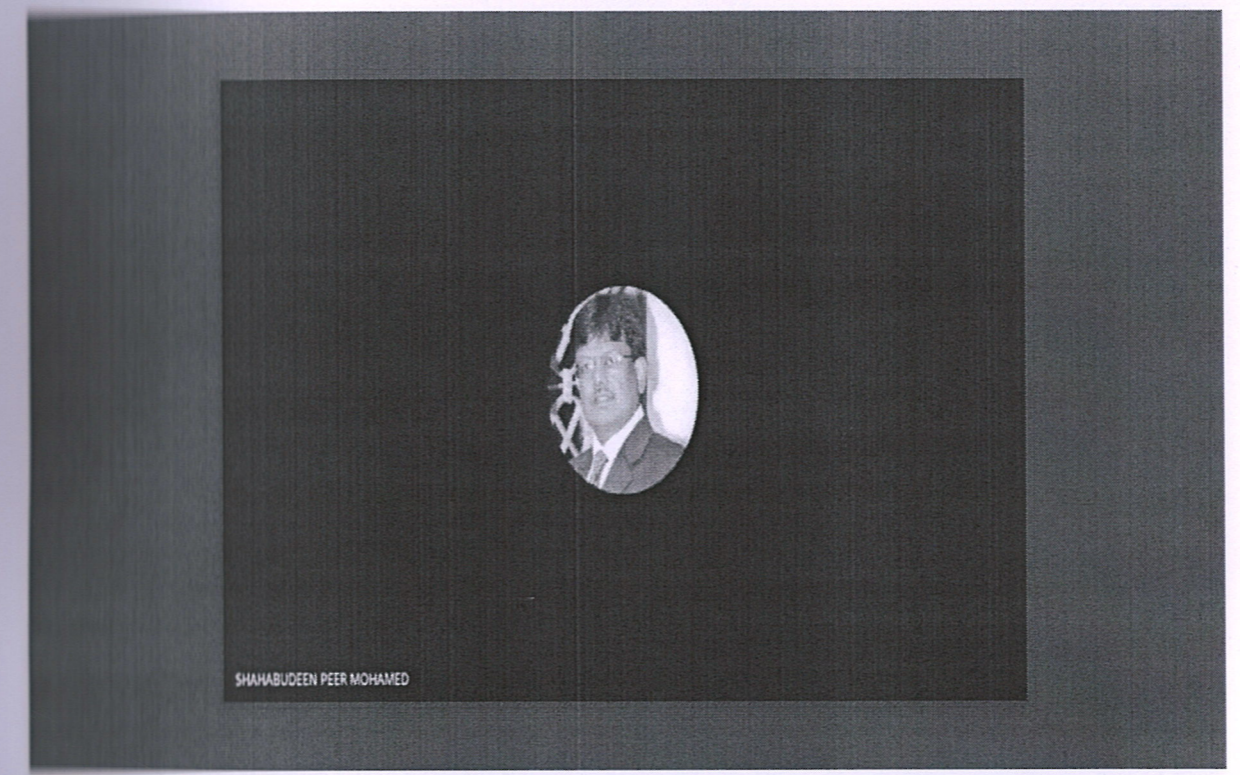
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**NAGAPATTINAM – 611 002**

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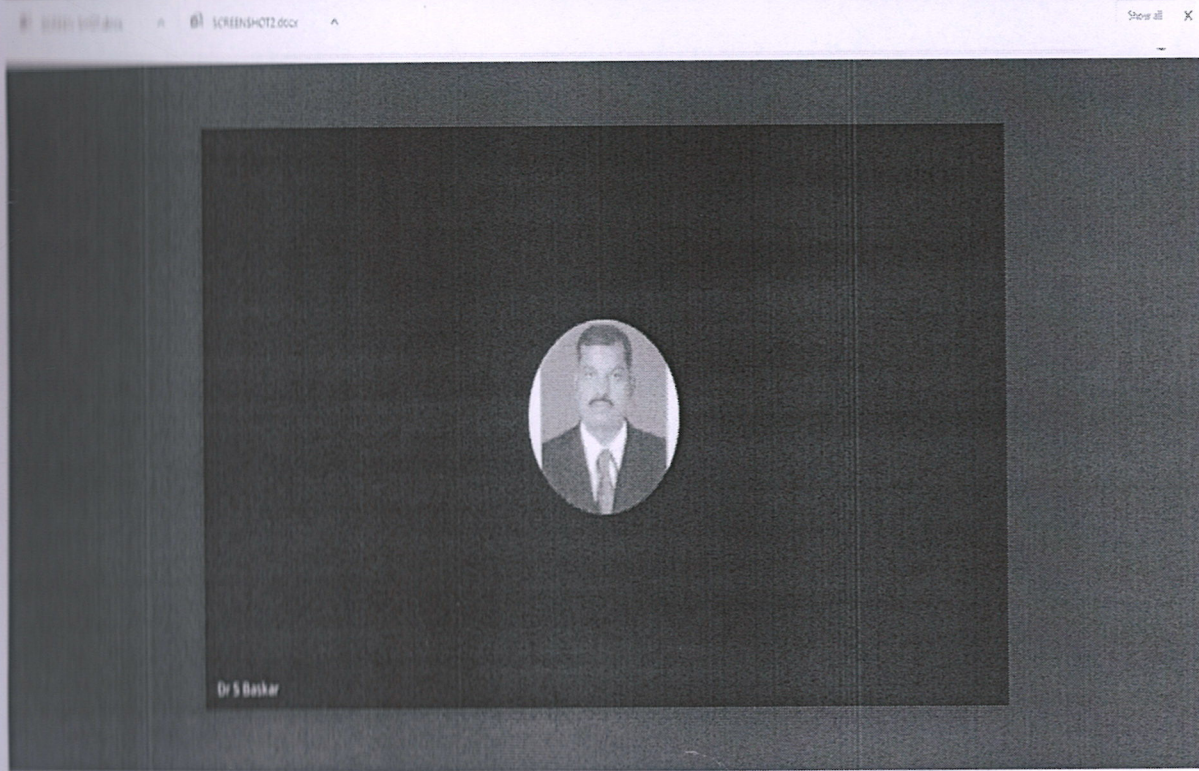
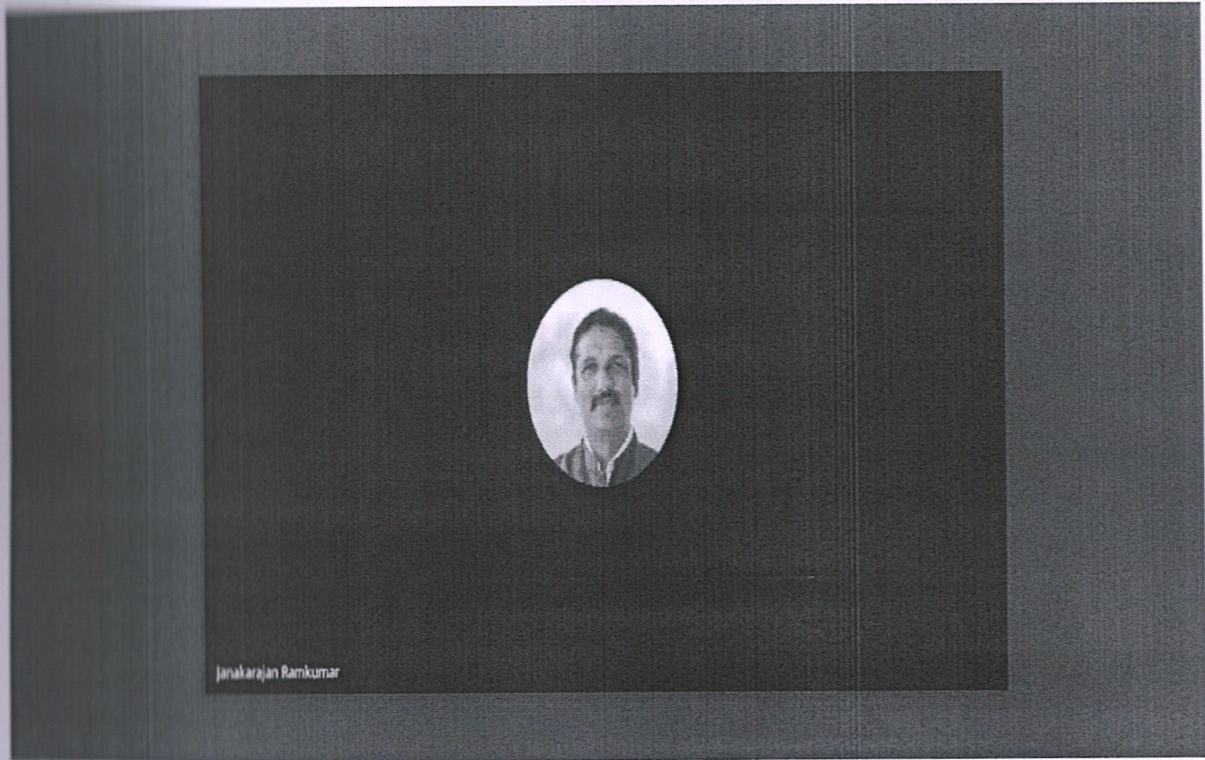
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**NAGAPATTINAM – 611 002**

Screen shots of Seventh Academic Council Meeting held on 13.07.2021





# E.G.S. PILLAY ENGINEERING COLLEGE

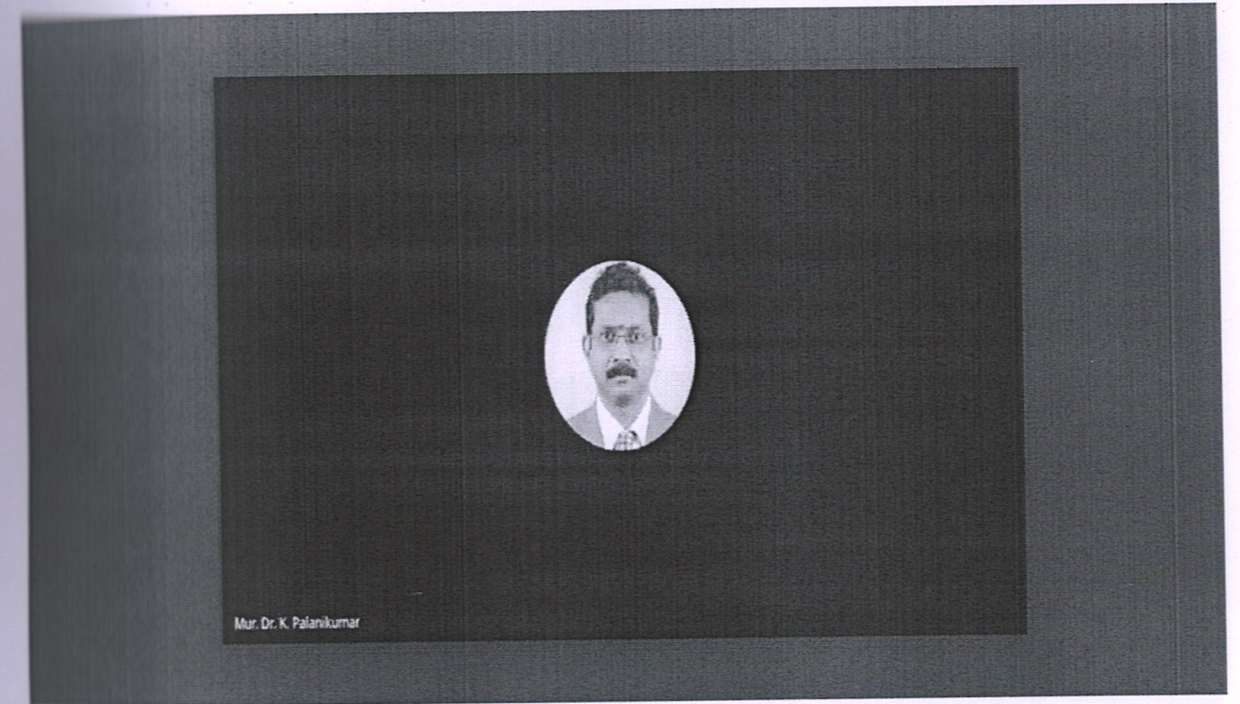
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(Affiliated to Anna University, Chennai)

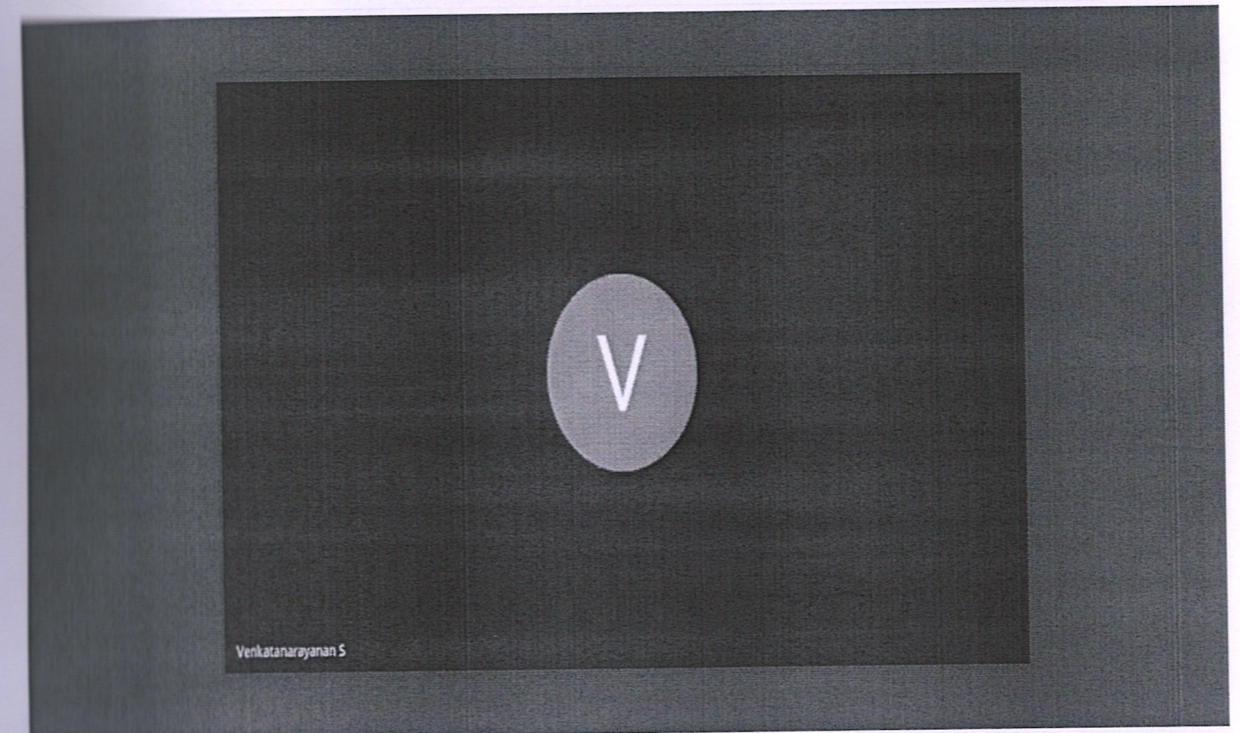
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Venkatanarayanan S

# E.G.S. PILLAY ENGINEERING COLLEGE

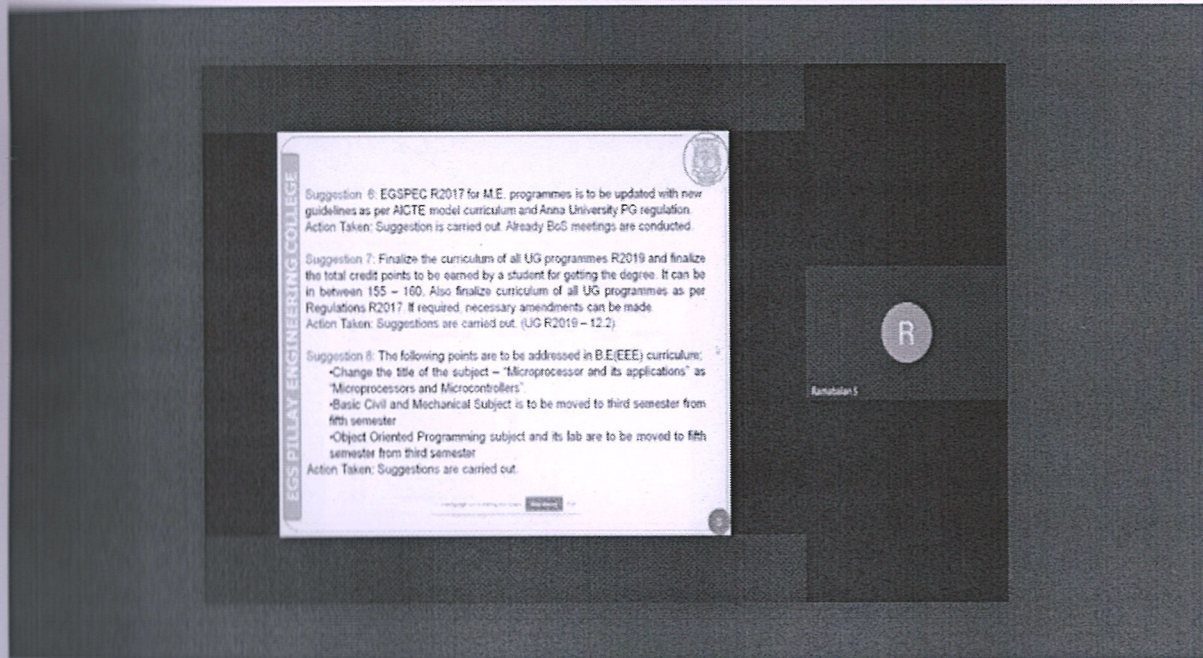
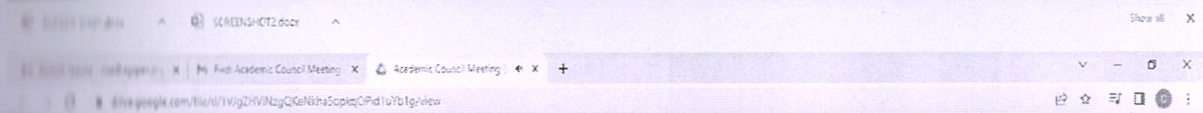
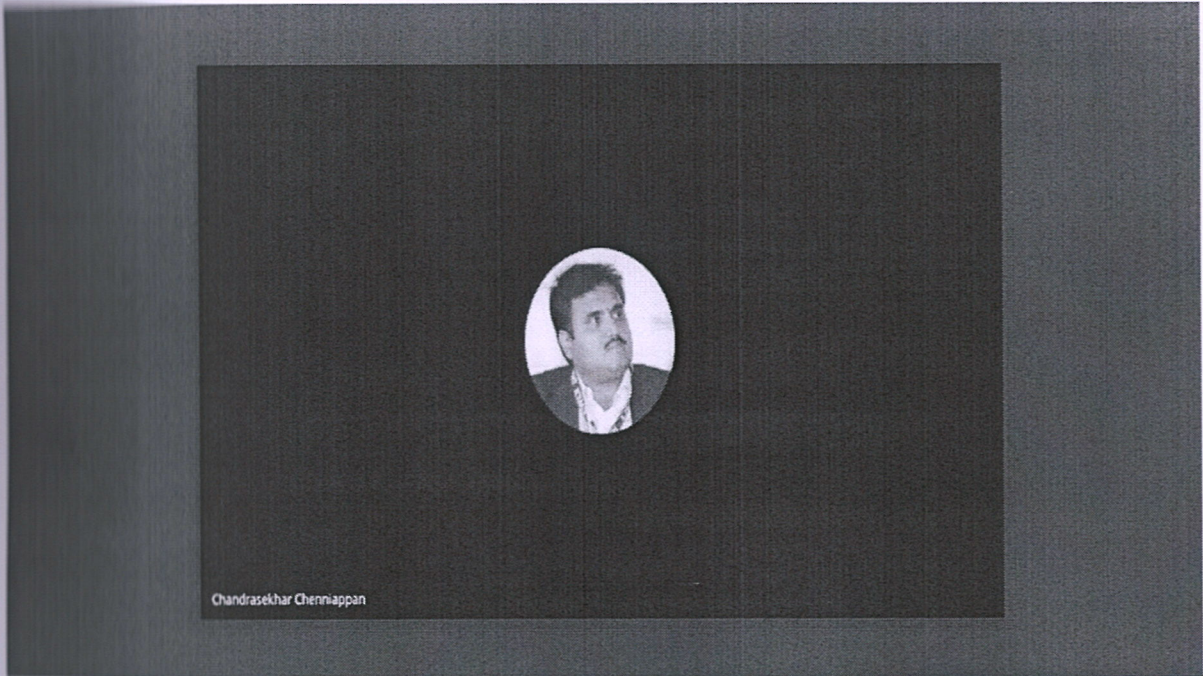
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Screen shots of Seventh Academic Council Meeting held on 13.07.2021

Academic Council Meeting (2021-07-12 at 22:35 GMT-7)

Sl. No.	Course Code	Course Title	Category	Periods per Week	Total Contact Periods	Credits
1	18EGP12	Programme Elective - I (PE)		3	3	3
2	18EGP13	Thru Design Programme Elective-II (PE)		3	3	3
3	18EGP14	Programme Elective-III (PE)		3	3	3
4	18EGP15	Programme Elective-IV (PE)		3	3	3
5	18EGP16	Research Methodology and IIR (SC)		3	3	3
6	18EGP17	CNC Machine Tool Technology (PCI)		3	3	3
7	18EGP18	Advanced Laboratory (PCI)		3	3	3
8	18EGP19	Computer Aided Engineering Laboratory (PCI)		3	3	3
Total Credits to be earned for the award of degree: 60						

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SEMESTER I							
Sl. No.	Course Code	Course Title	Category	Periods per Week	Total Contact Periods	Credits	
1		Industrial Automation and Robotics	PCI	3	3	3	
2		Robot Design and Programming	PCI	3	3	3	
3		Industrial Technology Program Elective - I	PCI	3	3	3	
4		Robotics - II	PCI	3	3	3	
5		Robotics - III	PCI	3	3	3	
<b>Practicals</b>							
6		Industrial Automation and Robotics Laboratory	PCI	3	3	3	
7		Robotics and Simulation Laboratory	PCI	3	3	3	
8		Robotics and Simulation Laboratory	PCI	3	3	3	
				<b>TOTAL</b>	<b>24</b>	<b>24</b>	<b>24</b>

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drive.google.com/file/d/1VgZHVfVgQKefvnaSokqOFid1u7b1g/view

Academic Council Meeting (2021-07-12 at 22:35 GMT-7)

Biomolecules - Molecules of life: monomers, units and polymeric structures. Sugars, starch and cellulose. Amino acids and proteins. Nucleotides and DNA/RNA. Two carbon units and lipids.

Enzymes - monitor enzyme catalyzed reactions. Enzyme catalyzed reactions. Enzyme classification. Mechanism of enzyme action (two examples), Enzyme kinetics and kinetic parameters. RNA catalysis.

Information Transfer - The molecular basis of coding and decoding genetic information - universal. Molecular basis of information transfer. DNA - genetic material. Hierarchy of DNA structure- from single stranded to double helix to nucleosomes. Concept of genetic code. Universality and degeneracy of genetic code. Gene in terms of complementation and recombination.

Module IV	Metabolism and Microbiology	8 Hours
Metabolism: principle of energy transactions. Thermodynamics to biological systems. Exothermic and endothermic versus anergonic and ergogenic reactions. Concept of Key and its relation to standard free energy. Spontaneity. ATP - energy currency. Breakdown of glucose to CO <sub>2</sub> + H <sub>2</sub> O (Glycolysis and Krebs cycle) - synthesis of glucose from CO <sub>2</sub> and H <sub>2</sub> O (Photosynthesis). Energy yielding and energy consuming reactions. Concept of Energy charge.		
Microbiology: Concept of single celled organisms. Concept of species and strains. Identification and classification of microorganisms. Microscopy. Ecological aspects of single celled organisms. Sterilization and media compositions. Growth kinetics.		

Microbiology: Concept of single celled organisms. Concept of species and strains. Identification and classification of microorganisms. Microscopy. Ecological aspects of single celled organisms. Sterilization and media compositions. Growth kinetics.

Shahid Zeen Peer Mohamed

Academic Council Meeting (2021-07-12 at 22:35 GMT-7)

Krebs cycle) - synthesis of glucose from CO<sub>2</sub> and H<sub>2</sub>O (Photosynthesis). Energy yielding and energy consuming reactions. Concept of Energy charge.

Microbiology: Concept of single celled organisms. Concept of species and strains. Identification and classification of microorganisms. Microscopy. Ecological aspects of single celled organisms. Sterilization and media compositions. Growth kinetics.

Module V	Bio-inspired Engineering	10 Hours
Introduction to biologically-inspired designs (BID) for Biomedical and Non-biomedical applications). Human organs-on-chips; Muscular Biopolymers, Bio-optics; Nanostructures for Drug Delivery. Genetic Algorithms, Artificial neural networks, Swarm intelligence algorithms. Biosensors: role in medical diagnostics (Sensum digital plaster); environmental monitoring. Bio-fibres; Bio-robotics; 3D Bio-printing; Self healing concrete.		
		Total: 45 Hours

REFERENCES:

1. Biology for Engineers, Raju Singal, CBS Publishers and Distributors Pvt Ltd, First Edition (13 June 2019)
2. Biology for Engineers, Wiley Editorial, Wiley (2018)
3. Principles of Self Computing, S. N. Srinivasan, S. N. Deepa, Wiley, Third edition (2018)
4. Code

Sathya Selvaraj



# E.G.S. PILLAY ENGINEERING COLLEGE

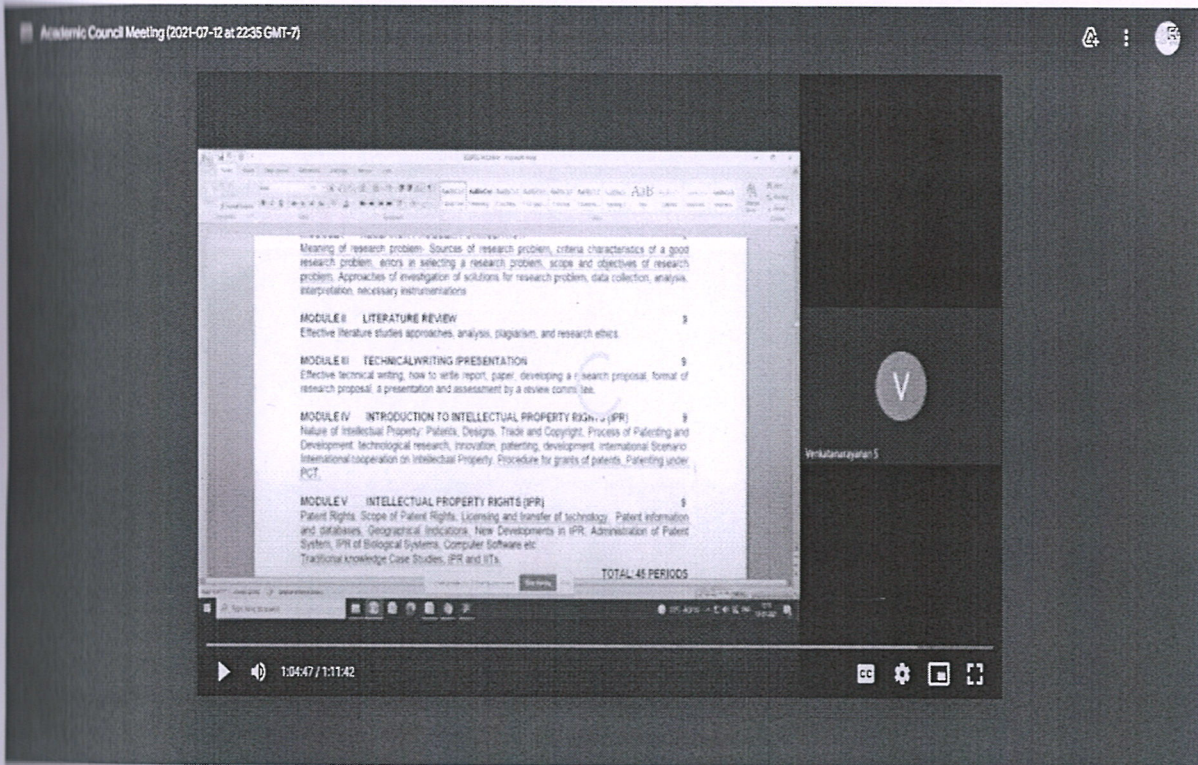
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(Affiliated to Anna University, Chennai)

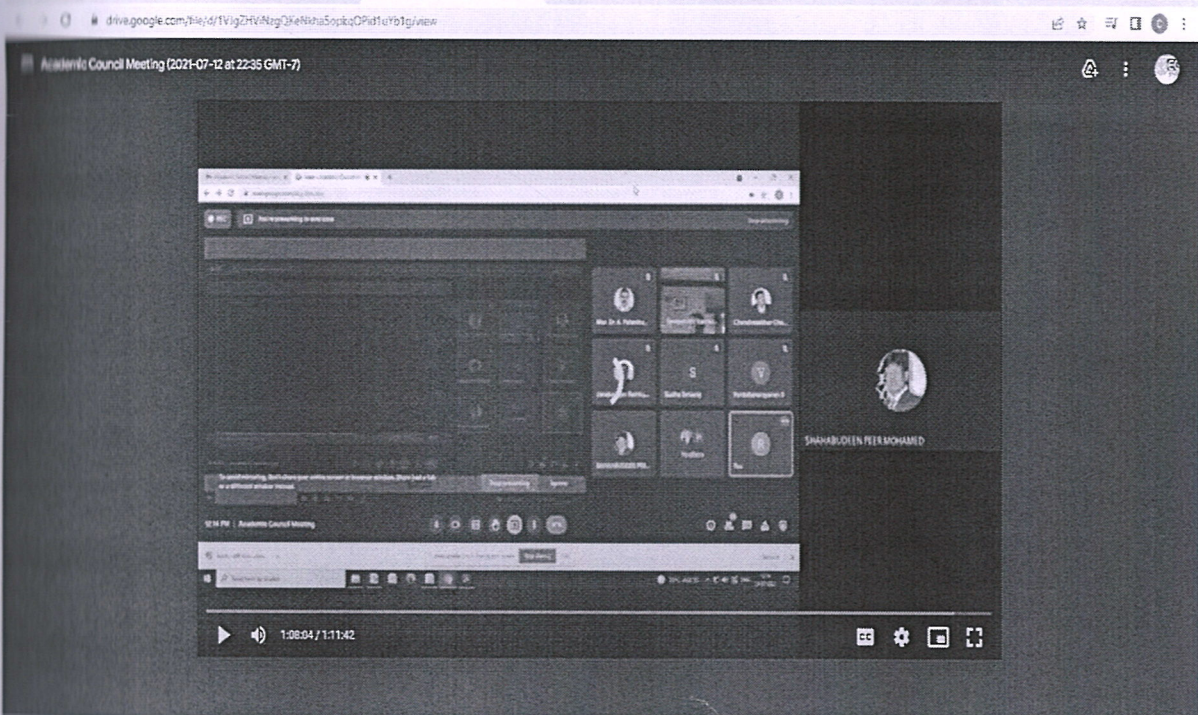
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**NAGAPATTINAM – 611 002**

Screen shots of Seventh Academic Council Meeting held on 13.07.2021



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# E.G.S. PILLAY ENGINEERING COLLEGE

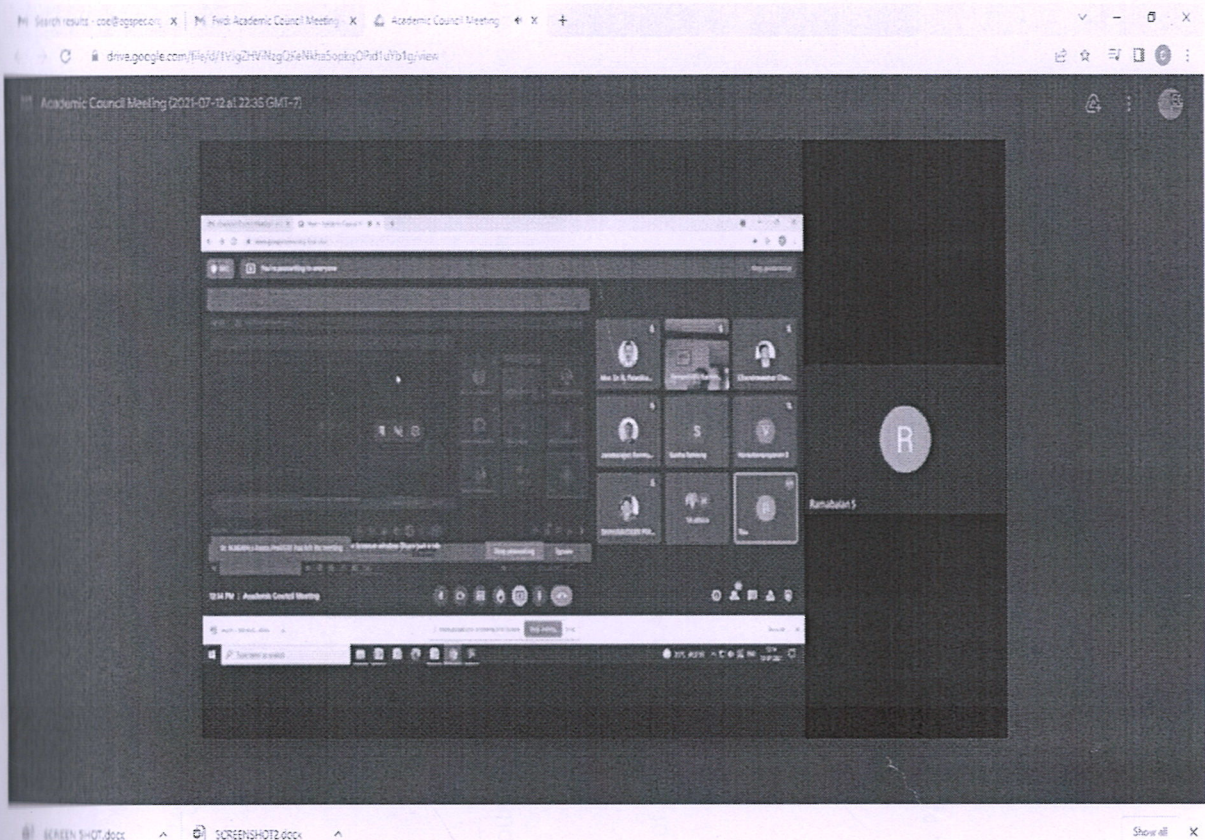
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**NAGAPATTINAM – 611 002**

Screen shots of Seventh Academic Council Meeting held on 13.07.2021



## EGSPEC / Approval of 6th and 7th AC Meeting Minutes - Reg. External

Inbox x

**Academic Council EGSPEC** <ac@egspec.org>

to Ilamparuthi, SHAHABUDEEN, sudha, Dr, Baskar, Ramkumar, Palanikumar, venkatanarayanan.s, Chandra

Dear Professors,

Warm greetings from the O/o COE, EGSPEC,

The meeting minutes of the 6th and 7th Academic Council held on 06.03.2021 and 13.07.2021 have been attached along with Annexure I (Members Present) notify us.

If there are no corrections, kindly approve the same.

If possible please put your signature in the last page of minutes and in Annexure I for approving it.

With Regards,

--

**Member Secretary / Academic Council,**

E.G.S. Pillay Engineering College(Autonomous),

Accredited by NBA (CSE, EEE, Mech), Accredited by NAAC with 'A' Grade,

Nagapattinam - 611 002.

Ph: 9965528581/7373067032

**4 Attachments**

Mail

Chat

Spaces

Meet

4 Attachments

**E.G.G. PILLAY ENGINEERING COLLEGE**  
 (An Autonomous Institute of Engineering, Technology & Management)  
 Higher Education Department, Government of Karnataka

**Minutes of the 7th Academic Council Meeting held on 11/11/2016 at 17:30**

**W Minutes of 7th A...**

**E.G.G. PILLAY ENGINEERING COLLEGE**  
 (An Autonomous Institute of Engineering, Technology & Management)  
 Higher Education Department, Government of Karnataka

**Minutes of the 6th Academic Council Meeting held on 11/11/2016 at 17:30**

**W Minutes of 6th A...**

**E.G.G. PILLAY ENGINEERING COLLEGE**  
 (An Autonomous Institute of Engineering, Technology & Management)  
 Higher Education Department, Government of Karnataka

**Annexure 16th Ac.**

**W Annexure 16th Ac.**

**E.G.G. PILLAY ENGINEERING COLLEGE**  
 (An Autonomous Institute of Engineering, Technology & Management)  
 Higher Education Department, Government of Karnataka

**Annexure 17th Ac.**

**W Annexure 17th Ac.**



**Ramkumar** <ijtkumar@iitk.ac.in> to me

Dear sir,

my signed version.

With Regards

Prof. Ramkumar J, FIE(I), FIETE, Chartered Engineer [India], SMIEEE  
 Chairman, Institute of Engineers (India), Kanpur Local Center  
 Coordinator, Medtech lab & Imagination Laboratory  
 Professor, Department of Mechanical Engineering and Design Program  
 Indian Institute of Technology Kanpur  
 Kanpur 208016 (I I D ) INDIA

Kanpur 208016 (U.P.) INDIA

Mail

Phone: +91 512 259 7546

Fax: +91 512 259 7408

E-mail: [jrkumar@iitk.ac.in](mailto:jrkumar@iitk.ac.in)

skype id : janakarajanramkumar

URL: <http://home.iitk.ac.in/~jrkumar>

Orcid: 0000-0002-3578-7283

Scopus id: 6603685131

Spaces

Meet

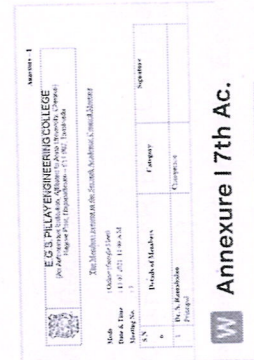
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**Sent:** Monday, September 13, 2021 10:35 AM

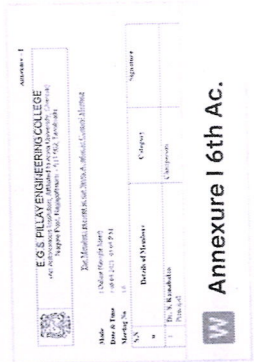
**To:** Ilamparuthi Kannappan <[kanniilam@gmail.com](mailto:kanniilam@gmail.com)>; SHAHABUDEEN PEER MOHAMED <[psdeen@gmail.com](mailto:psdeen@gmail.com)>; sudha@nitt.edu <[sudha@nitt.edu](mailto:sudha@nitt.edu)>; Di Ramkumar <[jrkumar@iitk.ac.in](mailto:jrkumar@iitk.ac.in)>; Dr. K. Palanikumar <[palanikumar@sairamit.edu.in](mailto:palanikumar@sairamit.edu.in)>; [venkatanarayanan.s@daimier.com](mailto:venkatanarayanan.s@daimier.com) <[venkatanarayanan.s@daimier.com](mailto:venkatanarayanan.s@daimier.com)>

**Subject:** EGSPec / Approval of 6th and 7th AC Meeting Minutes - Reg.

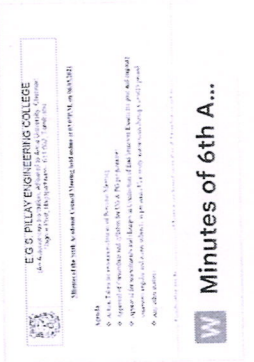
#### 4 Attachments



**W** Annexure I 7th Ac.



**W** Annexure I 6th Ac.



**W** Minutes of 6th A...



**W** Minutes of 7th A...

Mail

SN	From	To	Subject	Date
1	Annexure I 7th Ac.	Rankumar		

Annexure I 7th Ac.

SN	From	To	Subject	Date
1	Annexure I 6th Ac.	Rankumar		

Annexure I 6th Ac.

SN	From	To	Subject	Date
1	Minutes of 6th A...	Rankumar		

Minutes of 6th A...

SN	From	To	Subject	Date
1	Minutes of 7th A...	Rankumar		

Minutes of 7th A...

Chat

Spaces



Academic Council EGSPEC <ac@egspec.org>  
to Rankumar

Dear Professor,

Meet

Thanks for your support.



**Baskar Subramanian** <baskar1970@gmail.com>  
to lamparuthi, SHAHABUDEEN, sudha, Dr. Palanikumar, venkatanarayanan,s, Chandra, me, Rankumar

Approved, please proceed.

--

With Regards,

Dr.S.BASKAR, BOYSCAST Fellow  
Dean (R&D)

Professor of Electrical & Electronics Engineering  
Thiagarajar College of Engineering

MADURAI - 625015, TAMILNADU, INDIA

Gandhi Scholar https://scholar.google.com/citations?user=1T17EKsAAAAA |

Google Scholar: <https://scholar.google.com/citations?user=119ZTKSAAAAAJ>

Mail

Chat

Spaces

Meet

### 3 Attachments

**EGS PILAVKACHERI COLLEGE**  
 (An Autonomous Institution of Higher Education)  
 Higher and Postgraduate Studies, Coimbatore

**Annexure I 7th Ac.**

Name	Dr. S. Sudha	Category	Regular
Mobile No.	98430 21194	Designation	Assistant Professor
Address	The Changanassery		

**EGS PILAVKACHERI COLLEGE**  
 (An Autonomous Institution of Higher Education)  
 Higher and Postgraduate Studies, Coimbatore

**Annexure I 6th Ac.**

Name	Dr. S. Sudha	Category	Regular
Mobile No.	98430 21194	Designation	Assistant Professor
Address	The Changanassery		

**EGS PILAVKACHERI COLLEGE**  
 (An Autonomous Institution of Higher Education)  
 Higher and Postgraduate Studies, Coimbatore

**Minutes of 6th A...**

Minutes of the 6th Meeting of the Academic Council held on 06.03.2021



**S. Sudha** <sudha@nit.edu>  
to me

Dear Sir,

Greetings. The signed documents are attached.

Thank you with regards,  
S.Sudha

Quoting Academic Council EGSPPEC <ac@egspec.org>:

- > Dear Professors,
- > Warm greetings from the O/o COE, EGSPPEC,
- >
- > The meeting minutes of the 6th and 7th Academic Council held on 06.03.2021



99+

Mail

> The meeting minutes of the 001 and 002 Academic Council met on 06.03.2021

> and 13.07.2021 have been attached along with Annexure I (Members Present)

> with this mail for your kind consideration. If there are any corrections

> please notify us.

> If there are no corrections, kindly approve the same.

>

> If possible please put your signature in the last page of minutes and in

> Annexure I for approving it.

>

> With Regards,

>

> --

> \*Member Secretary / Academic Council,\*

Dr.S.Sudha,  
Professor,  
Electrical and Electronics Engg,  
National Institute of Technology,  
TamilNadu,  
India- 620 015.

Website:

<https://www.nitt.edu/home/academics/departments/eee/people/faculty/assocprof/sudha/>

4 Attachments

Minutes - I

**E.E.E. PRILAKSHMI ENGINEERING COLLEGE**  
Department of Electrical and Electronics Engineering

Dr. S. Sudha  
Professor  
Electrical and Electronics Engg  
National Institute of Technology  
Tamil Nadu  
India - 620 015

Name	Dr. S. Sudha	Designation	Professor
Mobile No.	98421 21111	Department	EEE
Faculty	Faculty of Engineering	Signature	

Minutes - I

**E.E.E. PRILAKSHMI ENGINEERING COLLEGE**  
Department of Electrical and Electronics Engineering

Dr. S. Sudha  
Professor  
Electrical and Electronics Engg  
National Institute of Technology  
Tamil Nadu  
India - 620 015

Name	Dr. S. Sudha	Designation	Professor
Mobile No.	98421 21111	Department	EEE
Faculty	Faculty of Engineering	Signature	

Minutes - I

**E.E.E. PRILAKSHMI ENGINEERING COLLEGE**  
Department of Electrical and Electronics Engineering

Dr. S. Sudha  
Professor  
Electrical and Electronics Engg  
National Institute of Technology  
Tamil Nadu  
India - 620 015

Name	Dr. S. Sudha	Designation	Professor
Mobile No.	98421 21111	Department	EEE
Faculty	Faculty of Engineering	Signature	

Minutes - I

**E.E.E. PRILAKSHMI ENGINEERING COLLEGE**  
Department of Electrical and Electronics Engineering


Dr. S. Sudha  
Professor  
Electrical and Electronics Engg  
National Institute of Technology  
Tamil Nadu  
India - 620 015


Name	Dr. S. Sudha	Designation	Professor
Mobile No.	98421 21111	Department	EEE
Faculty	Faculty of Engineering	Signature	

Mail

 Annexure I 6th Ac.

 Annexure I 7th Ac.

 Minutes of 6th A...

 Minutes of 7th A...

Chat

Spaces



**I. I. I.**  
to me  
**I. I. I.** <kannilam@gmail.com>

**Member Secretary / Academic Council,**  
E.G.S. Pillay Engineering College(Autonomous),

Meet

Sir,

Minutes of both 6th and 7th Academic council meetings are approved. Sorry for the delay.

Do you require a signature in the enclosed Annexures? Let me know please.

with Regards

**Dr.K.Ilamparuthi**  
Professor and Chairman (Retd)  
Faculty of Civil Engineering  
Anna University, Chennai- 600 025  
**Email:**[kannilam@gmail.com](mailto:kannilam@gmail.com)

**Residence:**

3/6-2B Kings Mead Apartment  
South Mada street

Srinagar colony,

Saidapet, Chennai-600015

Ph: +91-44-2235 2028

Cell: 9442023366

Signed Report External Inbox x



SHAHABUDEEN PEER MOHAMED <psdeen@gmail.com>

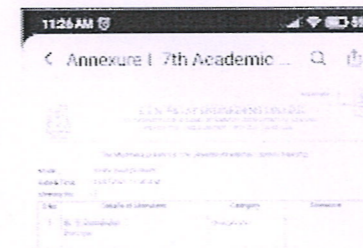
to me

Professor,

I am enclosing herewith the signed Report of Academic council meeting.

Regards

P Shahabudeen



Academic Council EGSPEC <ac@egspec.org>

to SHAHABUDEEN

Dear Professor,

We are grateful to you.

We request you to continue with your valuable support in our academic activities.

Thanking you

--  
Member Secretary / Academic Council