

Board  
of  
Studies  
Meeting

5

20<sup>th</sup> July, 2024



## Department of Electronics and Telecommunication

### Board of Studies Meeting: 05

Date: 16<sup>th</sup> July, 2024

### NOTICE

All the Honorable Board of Studies members of electronics and telecommunication engineering department are hereby inform that the Fifth meeting of BoS is convened **on Saturday, 20<sup>th</sup> July, 2024 at 10:00 a.m.** in mixed mode therefore you are kindly requested to make it convenient to attend the meeting

### AGENDA

- 4.1 Confirmation of the minutes of last BoS meeting conducted on 26<sup>th</sup> May, 2023
- 4.2 Action taken report on the recommendations received in the last BOS and academic council meeting.
- 4.3 Discussion and approval of the S. Y. B. Tech to Final Year B. Tech E & Tc structure as per NEP 2020.
- 4.5 Discussion and approval of the S. Y. B. Tech (3<sup>rd</sup> and 4<sup>th</sup> semester) syllabus of E & Tc as per NEP 2020.
- 4.3 Discussion and approval of the M. Tech E & Tc structure (1<sup>st</sup> to 4<sup>th</sup> Semester) as per NEP 2020.
- 4.3 Discussion and approval of the M. Tech E & Tc Syllabus (1<sup>st</sup> to 4<sup>th</sup> Semester) as per NEP 2020.
- 4.6 Approving the panel of examiners for paper setting, their names and assessment for the course in 3<sup>rd</sup> and 4<sup>th</sup> semester E & Tc.
- 4.7 Approving the panel of examiners for paper setting, their names and assessment for the course in 1<sup>st</sup> to 4<sup>th</sup> semester of M, Tech E & Tc.
- 4.9 Any other points with the permission of Chair.

Prof. A. S. Mali  
BoS Member Secretary



Prof. C. P. Shinde  
BoS Chairman & HOD

HEAD

Department of Electronics  
& Telecommunication Engg.  
TKIET, Warananagar  
Tal. Panhala, Dist. Kolhapur

## Department of Electronics and Telecommunication

Board of Studies Meeting: 05

### TABLE PROGRAM

Day and Date : Saturday, 20<sup>th</sup> July, 2024  
 Time : 10:00 am To 1:15 pm  
 Mode of Meeting : Mixed  
 Venue : Microwave Lab, E & Tc Department.

Sr. No.	Activity	Coordinator/ Speaker	Duration in min.
1	Welcome speech		
2	Address by BOS chairman	Prof. C. P. Shinde	2 Min
3	confirmation of the minutes of last BOS meeting conducted on 27 <sup>th</sup> May, 2023	Prof. S. H. More	5 Min
4	Action taken report on the recommendations received in the last BOS and academic council meeting	Prof. S. S. Patil, Prof. D. U. Chavan	5 Min
5	Discussion and approval of the 3 <sup>rd</sup> to 8 <sup>th</sup> Semester E & Tc structure as per NEP 2020.	Prof. S. S. Patil	15 Min
6	Approving the panel of examiners, three names for paper setting and assessment in the course for 3 <sup>rd</sup> and 4 <sup>th</sup> Semester.	Prof. S. S. Patil	5 Min
7	Discussion on major minor and Honor degree course and its credit distribution	Prof. A. S. Mali	5 Min
8	Discussion and approval of the 1 <sup>st</sup> to 4 <sup>th</sup> Semester of M. Tech. E & Tc structure & Syllabus as per NEP 2020.	Prof. A. S. Mali	5 Min
9	Approving the panel of examiners, three names for paper setting and assessment in the course for 1 <sup>st</sup> to 4 <sup>th</sup> Semester of M. Tech. E & Tc.	Prof. P. V. Lokhande Prof. A. A. Thorat	5 Min
10	Any other issue with the permission of the chair	Prof. B. G. Warvante	5 Min
11	Vote of Thanks	Prof. A. S. Mali	2 Min
12	Documentation of minutes of meeting	Prof. S. S. Patil. Prof. K. D. Patil Prof. D. U. Chavan	-----

Prof. A. S. Mali  
BoS Member Secretary



Prof. C. P. Shinde  
BoS Chairman & HOD  
HEAD  
Department of Electronics  
& Telecommunication Engg.  
TATYASAHEB KORE INSTITUTE OF ENGINEERING AND TECHNOLOGY  
Warananagar  
Tal. Patnala, Dist. Kolhapur

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGG.

**Board of Studies (BOS) Meeting-5**

**Held on Saturday, 20th July 2024 at 10.00 am**

**MINUTES OF MEETING**

As the first B.Tech (E&TC) batch under autonomous status of institute completed in academic year 2023-24, Board of Studies of Electronics and Telecommunication Engineering department conducted fifth Board of studies meeting on Saturday, 20th July 2024 at 10.00 am with precirculated agenda items of the meeting. Meeting was conducted in online as well as offline mode.

**EXTERNAL MEMBERS:**

Following members were present for the meeting.

Sr.No.	Name	Designation	Category
1	Dr. B. G. Patil	Head, Dept. Of Electronics ,WCE, Sangli	University Nominee
2	Dr. Yuvaraj M. Patil	COE ,Kolhapur Institute of Technology, Kolhapur	External Member
3	Prof. Chandrashekhar P. Shinde	Head of Department (HOD)	BOS , Chairman
4	Mr. Sandesh B. Mane	[SCI/ENGR-SE], National remote sensing centre, ISRO, Govt. Of India, Telangana , India	External Member
5	Mr. Mahesh B. Patil	Scientific Officer/G, CnID , BARC , Mumbai	External Member
6	Mr.Amol S.Kashid	Asst.Gen.Manager,Hita chi Systems Pvt.Ltd, Pune	External Member



7	Dr. K.R.Desai	Head, Dept. Of E&TC, BVKCOE, Kolhapur	External Member
8	Dr.Shamkumar Chavan	Head, Dept. Of E&TC, DOT, Kolhapur	External Member

#### INTERNAL MEMBERS:

Sr.NO.	Name of the Faculty	Category
1	Prof.(Dr.) B.T.Salokhe	Member
2	Prof. A.S.Mali	Member Secretary
3	Prof. S.S.Patil	Member
4	Prof. B.G.Warvante	Member
5	Prof.( Mrs.) A.A.Thorat	Member
6	Prof. S.H.More	Member
7	Prof. P.V.Lokhande	Member
8	Prof. K.D.Patil	Member
9	Prof.(Mrs.) D.U.Chavan	Member
10	Prof. Dr. Manish Kumar	Member

The meeting started with inaugural speech and introduction of new internal BOS members delivered by Prof. C.P Shinde, BOS Chairman and Head of E & TC department. He expressed deep sense of happiness and gratitude for the presence of the entire member in the meeting. He welcomed all the external as well as internal members by greeting them. Thus with the permission of Chair following presentation and discussion were made.

#### Agenda Item no. 5.1

- Prof. A.S.Mali member secretary BoS presented the agenda of the meeting, structure of the 3<sup>rd</sup> to 8<sup>th</sup> Semester E&TC and SY B.Tech. Syllabus as per NEP 2020 Policy for approval from Hon'ble members.

#### AGENDA

5.1 Confirmation of the minutes of last BOS meeting conducted on 27th May, 2023



- 5.2 Action taken report on the recommendations received in the last BOS and academic council meeting
- 5.3 Discussion and approval of the 3rd to 8th Semester E & Tc structure as per NEP 2020.
- 5.4 Approving the panel of examiners, three names for paper setting and assessment in the course for 3rd and 4th Semester.
- 5.5 Discussion on major minor and Honor degree course and its credit distribution.
- 5.6 Discussion and approval of the 1st to 4th Semester of M. Tech. E & Tc structure & Syllabus as per NEP 2020.
- 5.7 Approving the panel of examiners, three names for paper setting and assessment in the course for 1st to 4th Semester of M. Tech. E & Tc.
- 5.8 Any other issue with the permission of the chair.

- Prof. C.P. Shinde, the Chairman of the Board of Studies (BOS) and Head of the Electronics & Telecommunication (E & TC) Department, provided a briefing on the minutes from the previous BOS meeting held on Friday, July 22, 2023. He informed the members that the suggestions made during that meeting had been incorporated into the development of the four-year undergraduate (UG) course structure and the two-year postgraduate (PG) course structure.
- **Resolution:** The members reviewed and confirmed the minutes from the last meeting without proposing any additional revisions.

#### Agenda Item no. 5.2

#### Action taken report on the recommendations received in the last BOS and academic council meeting.

- Prof. S.S. Patil and Prof. D.U. Chavan presented and reviewed the action taken report concerning the various suggestions provided by the esteemed BOS members. They highlighted to the Hon'ble members that all valuable suggestions from the previous meeting had been included and effectively implemented.
- The Board acknowledged the action taken on the various decisions made during its fourth meeting held on July 22, 2023. The members expressed their satisfaction with the action taken report. However, during the discussion, the following suggestions were made:



### Action taken

- 1) To implement the internship scheme for this B.Tech batch, it was decided to adhere to the institute policy set by the T&P department. Additionally, the department will conduct sessions for second-year and third-year students to promote awareness.
- 2) The T&P department formulated the internship evaluation guidelines and criteria as a common policy for the institute. This policy will be implemented by the department.
- 3) The committee of faculty members analyzed and proposed modifications to the credit structure to ensure alignment with academic goals and industry standards. Consequently, it was decided to replace the electives with core or capstone projects, internships, or research works that are integral to the honor course.
- 4) Updated the curriculum to include laboratory work for relevant elective subjects. New lab components have been integrated into the course structure. Integrated the paper publication requirement into the academic guidelines. Students have been informed about the new requirement.
- 5) Developed comprehensive guidelines to assist students in completing audit courses within the designated timeframe. The guidelines include: Enrollment Procedures: Steps for enrolling in audit courses. Completion Deadlines: Timelines and deadlines for course completion. Requirements: Specific requirements and expectations for successfully auditing a course.
- 6) Assigned the panels to oversee the second and third evaluations for each subject. Informed all relevant faculty members and departments about the new panel structure and their roles in the evaluation process.



### Agenda Item no. 5.3

#### Discussion and approval of the 3rd to 8th Semester E & Tc structure as per NEP 2020.

- Prof. S.S. Patil highlighted the proposed structure of 3rd to 8th Semester in accordance with the NEP 2020 policy. After discussion and deliberations, the house provided the following suggestions:
- Hon'ble member Dr. B.G. Patil suggested the following changes:
  - Rename the "Transducer and Measurement" subject to "Electronic Instrumentation."
  - Allocate 50% weightage to the Analog part and 50% weightage to the Digital part in the Communication Engineering subject for Semester IV.
  - Replace "Digital Communication" with "Advanced Digital Communication" by adding some advanced topics.
  - In Programming Lab-II, include additional languages such as MATLAB and HFSS along with Python.
  - He emphasized the need to visit their HFSS Lab.
- Hon'ble member Dr. Y.M. Patil suggested the following changes:
  - Rename "Digital System & Processor" to "Digital Signal Processing."
  - Include two lectures instead of one tutorial in the MDM course basket.
  - Combine the "Microprocessor" and "Microcontroller" subjects.
  - Replace the "Advanced Microcontroller" subject with "Embedded Systems."
  - Include advanced subjects such as AI and RTOS in place of the Project.
  - Move the "Research Methodology" subject from Semester VII to the PG level and replace it with another Communication Engineering-related subject.
  - Rename "Biomedical Instrumentation" to "Biomedical Signal Processing."
- Hon'ble member Mr. Sandesh Mane suggested the following:
  - Incorporate the Financial Management toolbox within the MATLAB programming toolbox.



- Increase student awareness of Quantum Communication and Quantum Processing, particularly in applications such as Satellite Communication, RADAR, and Remote Sensing.
- Hon'ble member Mr. Amol Kashid suggested the following:
  - Educate students on the effective use of Generative AI in projects and real-time applications.
  - Commended the inclusion of the Cyber Security Honors Course and further suggested for practical approach while exercising the syllabus.
  - Emphasized the importance of including sessions on Cyber Laws and Security.
- Hon'ble member Dr. K.R. Desai suggested scheduling the "Satellite Communication" and "Wireless Communication" subjects in different semesters, rather than in the same semester.

**Resolution:** The agenda item 5.3 was resolved after substantial deliberation, leading to the discussion and approval of the E & TC course structure for Semesters 3 through 8, in alignment with NEP 2020. This approval included several changes in the inclusion of subjects at various levels.

#### Agenda Item no. 5.4

#### Approving the panel of examiners, three names for paper setting and assessment in the course for 3rd and 4th Semester.

- Hon'ble members suggested establishing clear guidelines for the selection of examiners for paper setting, assessment, and practical oral exams. They also recommended maintaining comprehensive records related to these processes.

**Resolution:** The members considered and approved the examiner panel, including recommendations for preparing a panel of internal examiners and ensuring detailed record-keeping of external examiners.

#### Agenda Item no. 5.5

#### Discussion on major minor and Honor degree course and its credit distribution.



During the meeting, a detailed discussion took place regarding the Honors Degree Course and its associated credit allocation. The Hon'ble members proposed several modifications to enhance the effectiveness and practicality of the curriculum:

- Replacement of Seminars with Tutorials: The members suggested replacing the seminar component with tutorials for each subject. This change is intended to provide more focused and interactive learning experiences for students.
- Redistribution of Credits: With the introduction of tutorials, the credit allocation was proposed to be adjusted. Previously, the total credits were 20, including credits for a seminar. The new structure would need to reflect this adjustment.
- Increased Emphasis on Lab Work: The members emphasized the importance of practical, hands-on experience. They recommended allocating more credits to lab work to promote a more effective, practical approach to learning.

**Resolution:** The agenda item 5.5 was resolved after substantial deliberation, including adequate discussion on credit distribution for Major, Minor, and Honors Degree courses, with several changes being made.

#### Agenda Item no. 5.6

#### Discussion and approval of the 1st to 4th Semester of M. Tech. E & Tc structure & Syllabus as per NEP 2020.

- Hon'ble BoS Member Secretary Prof. A.S. Mali presented the structure and syllabus for Semesters 1<sup>st</sup> to 4<sup>th</sup> of the M.Tech. in E & TC program, in alignment with NEP 2020. Hon'ble member Dr. Y.M. Patil suggested moving the "Research Methodology" subject to the PG level.

#### Agenda Item no. 5.7

#### Approving the panel of examiners, three names for paper setting and assessment in the course for 1st to 4th Semester of M. Tech. E & Tc.

- Hon'ble BoS Member Secretary and PG Coordinator Prof. A.S. Mali presented the exam panel for Semesters 1<sup>st</sup> to 4<sup>th</sup> of the M.Tech. in E & TC program. The Hon'ble members suggested establishing clear guidelines for the selection of examiners for paper setting, assessment, and practical oral exams. They also recommended to maintain comprehensive records for this process.



**Resolution:** The members considered and approved the examiner panel for Semesters 1<sup>st</sup> to 4<sup>th</sup> of the M.Tech. in E & TC program. They recommended to prepare a panel of internal examiners and ensuring detailed record-keeping for external examiners.

**Agenda Item no. 5.8**

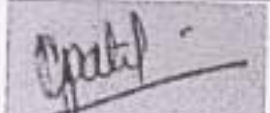
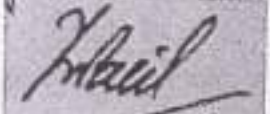
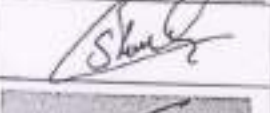
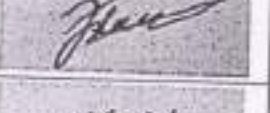
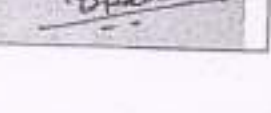
**Any other issue with the permission of the chair**

The discussion regarding maintaining complete database for examiners, including qualification, experience, email address, mobile number is done. They suggested to maintain it accordingly.



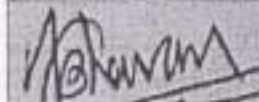
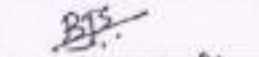
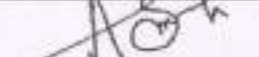
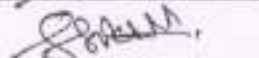
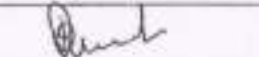
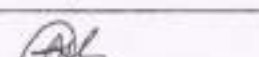
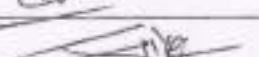
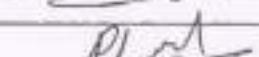
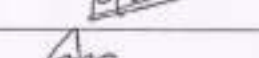

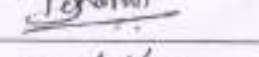
**Resolution:** The members considered and approved the examiner panel, with recommendations to prepare a panel of internal examiners and ensure detailed record-keeping for external members for both UG and PG programs.

**Vote of Thanks**

BOS Chairman Prof. C.P. Shinde summarized the proceedings of the meeting. On behalf of the department and the institute, he thanked all the members for their participation and valuable inputs and he concluded the meeting.

Sr.No.	Name	Designation	Signature
1	Dr. B. G. Patil	Head, Dept. Of Electronics ,WCE, Sangli	
2	Dr. Yuvaraj M. Patil	COE ,Kolhapur Institute of Technology, Kolhapur	
3	Prof. Chandrashekhar P. Shinde	Head of Department (HOD)	
4	Mr. Sandesh B. Mane	[SCI/ENGR-SE], National remote sensing centre, ISRO, Govt. Of India, Telangana , India	
5	Mr. Mahesh B. Patil	Scientific Officer/G, CnID , BARC , Mumbai	



6	Mr. Amol S. Kashid	Asst. Gen. Manager, Hitachi Systems Pvt. Ltd, Pune	
7	Dr. K.R. Desai	Head, Dept. Of E&TC., BVKCOE, Kolhapur	
8	Dr. Shamkumar Chavan	Head, Dept. Of E&TC., DOT, Kolhapur	
9	Prof. (Dr.) B.T. Salokhe	Member	
10	Prof. A.S. Mali	Member Secretary	
11	Prof. S.S. Patil	Member	
12	Prof. B.G. Warvante	Member	
13	Prof. (Mrs.) A.A. Thorat	Member	
14	Prof. S.H. More	Member	
15	Prof. P.V. Lokhande	Member	
16	Prof. K.D. Patil	Member	
17	Prof. (Mrs.) D.U. Chavan	Member	
18	Prof. Dr. Manish Kumar	Member	

  
Secretary

  
Academic Dean  
Dean, Academic  
Tatyasaheb Kore Institute of Engg.  
& Technology (Autonomous)  
Warananagar, Dist. Kolhapur



  
BOS, Co-ordinator  
HEAD  
Department of Electronics  
& Telecommunication Engg.  
T.K.I.E.T., Warananagar  
Tal. Warananagar, Dist. Kolhapur

  
PRINCIPAL  
Tatyasaheb Kore Institute of Engg.  
& Technology (Autonomous)  
Warananagar, Dist. Kolhapur

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING.**  
**BOARD OF STUDIES MEETING NO.5**  
**HELD ON SATURDAY 20<sup>TH</sup> JULY 2024**

**ACTION TAKEN REPORT** (Prepared on 10.08.2024)


Sr. No.	Agenda Item No.	Suggestions from Hon'ble BOS members	Action Taken
1	5.3.1	<ul style="list-style-type: none"> <li>• Hon'ble member Dr. B.G. Patil suggested the following changes:               <ul style="list-style-type: none"> <li>➤ Rename the "Transducer and Measurement" subject to "Electronic Instrumentation."</li> <li>➤ Allocate 50% weightage to the Analog part and 50% weightage to the Digital part in the Communication Engineering subject for Semester IV.</li> <li>➤ Replace "Digital Communication" with "Advanced Digital Communication" by adding some advanced topics.</li> <li>➤ In Programming Lab-II, include additional languages such as MATLAB and HFSS in addition to Python.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ Yes. The name of the "Transducer and Measurement" subject is changed to "Electronic Instrumentation".</li> <li>➤ Yes. A 50% weightage is given to both the Analog part and Digital part in the Communication Engineering subject of Semester IV.</li> <li>➤ Yes. The subject "Digital Communication" is renamed to "Advanced Digital Communication" by adding some advanced topics.</li> <li>➤ MATLAB is not currently included in Programming Lab-II, as we have purchased a Campus License of MATLAB, which will be included in various subjects as required.</li> </ul>
2	5.3.2	<ul style="list-style-type: none"> <li>• Hon'ble member Dr. Y.M. Patil suggested the following changes:               <ul style="list-style-type: none"> <li>➤ Rename "Digital System &amp; Processor" to "Digital Signal Processing."</li> <li>➤ Include two lectures instead of one tutorial in the MDM course basket.</li> <li>➤ Combine the "Microprocessor" and "Microcontroller" subjects.</li> <li>➤ Replace the "Advanced Microcontroller" subject with "Embedded Systems."</li> <li>➤ Move the "Research Methodology" subject from Semester VII to the PG level and replace it with another Communication Engineering-related subject.</li> <li>➤ Rename "Biomedical Instrumentation" to "Biomedical Signal Processing."</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ Yes. The "Digital System &amp; Processor" is renamed as "Digital Signal Processing."</li> <li>➤ Yes. Two lectures are included in the MDM course basket.</li> <li>➤ As these subjects are offered to students of other branches, combining both subjects may be tough for students of the non-circuit branch.</li> <li>➤ Yes. The "Advanced Microcontroller" subject is renamed to "Embedded Systems."</li> <li>➤ According to the NEP Policy, the "Research Methodology" subject is compulsory at the UG level.</li> <li>➤ Yes. The "Biomedical Instrumentation" subject is renamed to "Biomedical Signal Processing."</li> </ul>



3	5.3.3	<ul style="list-style-type: none"> <li>Hon'ble member Mr. Sandesh Mane suggested the following:           <ul style="list-style-type: none"> <li>➤ Incorporate the Financial Management toolbox within the MATLAB programming toolbox.</li> <li>➤ Increase student awareness of Quantum Communication and Quantum Processing, particularly in applications such as Satellite Communication, RADAR, and Remote Sensing.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ Yes. The Financial Management toolbox is incorporated within the MATLAB programming toolbox.</li> <li>➤ Yes. Two of our faculty members have been enrolled in the AICTE-DST FDP on Quantum Technology.</li> </ul>
4	5.3.4	<ul style="list-style-type: none"> <li>Hon'ble member Mr. Amol Kashid suggested the following:           <ul style="list-style-type: none"> <li>➤ Educate students on the effective use of Generative AI in projects and real-time applications.</li> <li>➤ Commended the inclusion of the Cyber Security Honors Course and further suggested for practical approach while exercising the syllabus.</li> <li>➤ Emphasized the importance of including sessions on Cyber Laws and Security.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ Yes. Our faculty members, along with students, have started using AI in projects and real-time applications.</li> <li>➤ The Cyber Security branch was started in our college. From this year onwards practical approach will be provided to students.</li> <li>➤ Dr. Deepashri S. Choudhari, faculty from law background is been appointed in our college and some sessions of Cyber Laws and Security will be handled by her.</li> </ul>
5	5.3.5	<ul style="list-style-type: none"> <li>Hon'ble member Dr. K.R. Desai suggested scheduling the "Satellite Communication" and "Wireless Communication" subjects in different semesters, rather than in the same semester.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Yes. The subject Wireless Communication is included in Sem-VII and Satellite Communication is included in Sem-VIII.</li> </ul>
6	5.6.1	<ul style="list-style-type: none"> <li>Hon'ble member Dr. Y. M. Patil suggested moving the "Research Methodology" subject to the PG level.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Yes. The subject "Research Methodology" is included in the third semester of PG level.</li> </ul>
7	5.8.1	<ul style="list-style-type: none"> <li>The discussion regarding maintaining complete database for examiners, including qualification, experience, email address, mobile number is done. They suggested to maintain it accordingly.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Yes. Department is maintaining the complete details of the examiners like qualification, experience, email address, mobile number etc. along with the bank details.</li> </ul>

  
 Prof. A. S. Mali  
 Member Secretary



  
 Dr. S. T. Jadhav  
 BOS Chairman & Head, E&TC  
**HEAD**  
 Department of Electronics  
 & Telecommunication Engg.  
 T.K.I.E.T., Warananagar  
 Tal. Panshik, Dist. Kolhapur