

Department of Electronics & Telecommunication Engineering S.No.-27, Pune Satara Road, Dhankawadi, Pune-411043

01/05/2020

To, The Principal, PICT,Pune.

## 1. WEEKLY REPORT FOR WORK FROM HOME &LEARN FROM HOME MODEL (27/04/2020 TO 01/05/2020)

# 2. WEEKLY REPORT FOR R&D WORK/DEPT AND INSTITUTIONAL RESPONSIBILITIES (27/04/2020 TO 01/05/2020)

#### **Mandatory work as per Principal Directives:**

- 1) Conduct online classes: online Google Virtual classroom was created on 18<sup>th</sup> March and Since that day it is is being used for "WORK FROM HOME &LEARN FROM HOME MODEL", till date. Also, Zoom Plaform is used to take Live sessions of entire class as well as Project group students. If required, in view of Practical exam and Theory Exams, Discussions will be continued for difficulties/Problems of the students on Mail/Voice call/Net meeting for regular and backlog students as per zero backlog policy as per Management directives and as per zoom meeting conducted by HOD sir.
- 2) Developing e-content/study material & share with students: Entire e-content/Study Material is Prepared by self and Shared/Posted on online Google Virtual classroom time to time. Making and Providing New Videos/ learning material PPTs/Notes is also in process in view of Practical exam and Theory Exams, Discussions of difficulties/Problems with the students on Mail/Voice call/Net meeting etc.
- 3) Assess assignments/Tests/Mini Projects time to time: All the Assignments/Tests/Quiz/Crossword Solutions received are seen on online Google



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Virtual classroom. It will be assessed after receiving the hard copy from all students. Also, All the Assignments/Tests and related queries will be attended If required, in view of Practical exam and Theory Exams, Discussions will be continued for difficulties/Problems of the students on Mail/Voice call/Net meeting etc.

4) Read Good Books & Research Papers: Reading the following books for writing and publishing the Sci indexed paper:

"Network Modeling and Simulation A Practical Perspective", Wiley Telecom Publisher, By Mohsen Guizani; Ammar Rayes; Bilal Khan; Ala Al-Fuqaha.

#### In addition, following activities (but not limited to)

- [1] **Sponsored projects:** MODROB Project is undertaken and is in Process. Daily Activities carried out are mentioned in daily report given below.
- [2] **Good Publications:** R&D publication for SCI indexed Paper writing is in process. Day to day progress is mentioned in the daily report.
- [3] **Writing Articles:** It is in Process. For writing Article on COVID-19 Vaccines, Few more articles are downloaded and reading and understanding it. Day to day progress is mentioned in the daily report.
- [4] **SPPU Exam Work**: Setting 100 MCQ and one line Questions For ITCCN Subject (TE E&TC) in view of Practical exam and Theory Exams is in Process. Also calculating the TW calculations as per policies and directives of HOD/Principal PICT is in Process.
- [5] **SPPU Exam Work**: Setting 100 MCQ and one line Questions For AVE Subject (BE E&TC) in view of Practical exam and Theory Exams is in process.
- [6] Value addition/Development plan (for Functional Heads, HoDs)etc.: InC Action Plan Approval and Execution as Per Principal Directives. InC documentation preparation and file completion for ISO. Measurable outcome will be Contribution



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	to Flagship event of PICT, and making it Successful. InC 2020 Action Plan is prepared and already sent to Principal sir for Approval and waiting for Execution as Per Principal Directives and Normalcy Situation.
	DAY WISE ACTIVITIES IN DETAIL
<u>Date</u>	Activities carried out
27/04/20	
(Monday)	
	1. <b>MCQs and one line Questions for AVE subject</b> for BE E&TC class (AVE) in view of
	Practical exam and Theory Exams is in Process. Also few queries about AVE subject
	Laboratory practical experiment for specific students are discussed in detail.
	(Online Google Virtual Classroom/Mails/Whatsapp/Voice call).
	2. Zero backlog policy implementation: Few students have replied with
	feedback form. They don't require any material from us. For remaining we are
	communicating on their Email IDs/Mobile Numbers/Whats App number, which
	were searched for further communication. Accordingly we will process the
	requirements.
	3. Appeal is done on Online Google Virtual classroom for TE-V class (ITCCN) as well as
	BE Class (AVE) to ask the <b>doubts for all units and all assignments</b> submitted till
	date.



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4. **R&D publication for SCI indexed Paper is in process.** Mathematical modelling and Internet traffic identification related book is being read for further understanding. Reading and reviewing of conference and journal papers is in process. Downloading of new papers from the various resources as per requirement is in process. Dataset downloading, preprocessing and feature calculation is in process. Based on above Novel and accurate mathematical modelling can be done for supporting novel real time internet traffic identification.

# 28/04/20 (Tuesday)

- 1. **MCQs and one line Questions for ITCCN subject** for TE-V class (ITCCN) in view of Practical exam and Theory Exams is in Process.
- Action plan and Action Report for activities were conducted under lockdown period from 18th March to 25th April related to Ek Bharat Shreshtha Bharat program (EBSB-AICTE) was prepared in their format and Uploaded on given portal successfully.
- 3. For writing Article on COVID-19 Vaccines, Few more articles are downloaded and started reading it. It is Just learned that, It is proven with clinical results in few publications that Snake venoms have antiviral action against defense mechanisms of potential viruses. Poission is different and Venom is different!!
- 4. Dominating results were achieved while Treating Human immunodeficiency virus patient using Snake venom [20].
- 5. SARS-CoV was treated with domination by straight interface with the SARS-CoV virus envelope using Scorpion Venom [21].
- 6. In view of this, further reading is going on and searching the research papers for specific peptides of snake venom on which process is not done yet to evolve potential vaccine for current virus problems. I am searching the work



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done in this area because the mutation rate and related combinations of current virus is most complex and hence promising vaccine is not being developed which will give the promising results. But snake venom related antiviral medicines were proven potentially dominating for similar family of SARS CoV previously.

[20]Alrajhi AA, et al. Snake venom preparation for drug-resistant human immunodeficiency virus. Ann Saudi Med. 2008;28(4):292–3. doi: 10.4103/0256-4947.51714.

[21]Li Q, et al. Virucidal activity of a scorpion venom peptide variant mucroporin-M1 against measles, SARS-CoV and influenza H5N1 viruses. Peptides. 2011;32(7):1518–25. doi: 10.1016/j.peptides.2011.05.015.

### 29/04/20 (Wednesday)

- 1. Remaining MCQs and one line Questions for ITCCN subject for TE-V class (ITCCN) in view of Practical exam and Theory Exams is Completed. Also few queries about ITCCN subject for specific students are discussed in detail. (Online Google Virtual Classroom/Mails/Whatsapp/Voice call).
- 2. An online sessions were attended on "Mendeley Reference Management Software" which was scheduled on Wednesday , 29/4/20 ( 5.00 PM to 6.15 PM ) . Following few things are theoretically understood from the session and we can do the the following with this software:
  - Add papers directly from your browser with a few clicks or import any documents from your desktop. Access your library from anywhere. Windows, Mac, Linux and all browsers etc.
  - Generate references, citations and bibliographies in a whole range of journal styles with just a few clicks etc.
- 3. **R&D publication for SCI indexed Paper is in process.** Mathematical modelling and Internet traffic identification related book is being read for further understanding. Reading and reviewing of conference and journal papers is in



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	process. Downloading of new papers from the various resources as per requirements in process. Dataset downloading, preprocessing and feature calculation is in process. Based on above Novel and accurate mathematical modelling can be done for supporting novel real time internet traffic identification.
30/04/20	
(Thursday)	
	1. MCQs and one line Questions for AVE subject for BE Elective class in view o
	Practical exam and Theory Exams is in Process.
	2. As per HODs directives, zoom meeting is scheduled and communicated to the
	specific Mini projects grops allocated to me for their assessment.
	3. The <b>communication is done</b> through the class coordinator/Subject teacher to Six
	batches allocated to me for assessment.
	4. Accordingly, Assessment through Zoom meeting will be done and report,
	<b>proofs</b> will be submitted to committee accordingly.
	5. Commitment is done for Developing E-content/study material & sharing i
	with students: Accordingly, Making and Providing New Videos is also in process
	in view of Practical exam and Theory Exams. This video is also uploaded on E&T0
	portal of google drive. Also it is posted on <b>Online Google Virtual classroom</b> for Bl
	ELECTIVE class (AVE). Also few queries for specific students are discussed in detail
01/05/20	
(Friday)	
	1. <b>As per HODs directives</b> , Unit wise Presentations in given format and sequence is
	prepared and uploaded successfully on EAN (Examination Assessment and Notice) portal for TE-V class for ITCCN subject.



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- 2. Unit wise Presentations in given format and sequence is prepared and uploaded successfully on EAN (Examination Assessment and Notice) portal for BE E&TC class for AVE subject.
- 3. **As per HODs directives,** own video lectures in given format and sequence is prepared and **uploaded successfully** on required Google Drive link folder for **TE-V class for ITCCN subject.**
- 4. Own video lectures in given format and sequence is prepared and **uploaded** successfully on required Google Drive link folder for **BE E&TC class for AVE** subject.

JAISWAL R.C. Dept. of E&TC, PICT, PUNE.