



# POORNIMA

---

## COLLEGE OF ENGINEERING

Approved by AICTE  
Affiliated to Rajasthan Technical University, Kota  
Recognized by UGC under Section 2(f) of the UGC Act, 1956

### *Details of add-on courses (2017-18 to 2021-22)*

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)  
• Phone: +91-9829255102, +91-9414728922 • E-mail: principal.pce@poornima.org  
• Website: [www.pce.poornima.org](http://www.pce.poornima.org)

**Poornima College of Engineering, Jaipur**  
**Details of add-on courses**

S .N.	Name of Activity	Session	Page No.
1	Details of add-on courses	2021-22	3-4
2	Details of add-on courses	2020-21	5-6
3	Details of add-on courses	2019-20	7-8
4	Details of add-on courses	2018-19	9-10
5	Details of add-on courses	2017-18	11



# POORNIMA

## COLLEGE OF ENGINEERING

### List of Add on/ Certificate/ value added programs offered during session 2021-22

NAME OF COURSE	COURSE CODE
<b>DEPARTMENT LEVEL COURSES</b>	
<b>DEPARTMENT OF CIVIL ENGINEERING</b>	
<i>Advance Building Construction and Drawing</i>	<i>AOC-DEP-CIV-ABCD</i>
<i>Analysis &amp; Design of Tall Building</i>	<i>AOC-DEP-CIV-ADTB</i>
<i>Building Information Modelling</i>	<i>AOC-DEP-CIV-BIM</i>
<i>Residential House Planning as per NBC</i>	<i>AOC-DEP-CIV-RHPN</i>
<i>Sketch Up 3D Modeling</i>	<i>AOC-DEP-CIV-TDM</i>
<b>DEPARTMENT OF COMPUTER ENGINEERING</b>	
<i>Microsoft Azure Academia Program: Azure AI Fundamentals</i>	<i>AOC-DEP-CSE-AZAI</i>
<i>Microsoft Azure Academia Program: Python Programming</i>	<i>AOC-DEP-CSE-AZPY</i>
<i>Microsoft Azure Academia Program: Microsoft Azure Data Fundamentals</i>	<i>AOC-DEP-CSE-AZDF</i>
<i>Microsoft Azure Academia Program: Big Data</i>	<i>AOC-DEP-CSE-AZBD</i>
<i>Microsoft Azure Academia Program: POWER BI "DATA ANALYTICS"</i>	<i>AOC-DEP-CSE-AZBI</i>
<i>Microsoft Azure Academia Program: Cloud Infrastructure and Security</i>	<i>AOC-DEP-CSE-AZCI</i>
<i>Programming in Hadoop</i>	<i>AOC-DEP-CSE-AZHD</i>
<i>Data Science with Python</i>	<i>AOC-DEP-CSE-DSPY</i>
<i>Selenium Testing</i>	<i>AOC-DEP-CSE-SETS</i>
<b>DEPARTMENT OF ELECTRICAL ENGINEERING</b>	
<i>AUTONOM</i>	<i>AOC-DEP-EE-AUTO</i>
<i>Enabling Technology for Electric Transportation</i>	<i>AOC-DEP-EE-ET</i>
<i>Introduction to MATLAB for Engineering Problems</i>	<i>AOC-DEP-EE-MATL</i>
<i>Understanding Basics of Micro controller and Embedded Systems</i>	<i>AOC-DEP-EE-MCES</i>
<i>Introduction to Virtual Labs</i>	<i>AOC-DEP-EE-VL</i>
<b>DEPARTMENT OF ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>	
<i>Design of Basic Robots</i>	<i>AOC-DEP-ECE-DBR</i>
<i>OptiSystem Fundamentals and Design Techniques</i>	<i>AOC-DEP-ECE-OPTI</i>
<i>Use of AI in Electronics</i>	<i>AOC-DEP-ECE-AI</i>
<i>Python Programming: The basics</i>	<i>AOC-DEP-ECE-PP</i>
<b>DEPARTMENT OF INFORMATION TECHNOLOGY</b>	
<i>Web Design and Development</i>	<i>AOC-DEP-IT-WEB</i>
<i>Advanced Python Programming</i>	<i>AOC-DEP-IT-PYP</i>
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>	
<i>CATIA</i>	<i>AOC-DEP-ME-CTA</i>
<i>Solid Works</i>	<i>AOC-DEP-ME-SW</i>
<i>3D Printing</i>	<i>AOC-DEP-ME-TP</i>
<i>Basics of Automobile Engineering</i>	<i>AOC-DEP-ME-AE</i>

Dr. Mahesh Bunde  
Director of Engineering  
Poornima College of Engineering  
131-0, RICO Institutional Area  
Ghatapada, Jaipur

<i>Advances of Automobile Engineering</i>	<i>AOC-DEP-ME-AAE</i>
<b><i>DEPARTMENT OF FIRST YEAR</i></b>	
<i>Project Based Learnings</i>	<i>AOC-DEP-FY-PBL</i>
<i>Program on Logical Reasoning and Technical Skill Development</i>	<i>AOC-DEP-FY-LRTS</i>
<i>Skill Development Program in Project Oriented Training</i>	<i>AOC-DEP-FY-SDPP</i>
<i>Skill Development Program in Advanced C</i>	<i>AOC-DEP-FY-ACP</i>
<i>Skill Development Program in Machine Learning-Deep learning</i>	<i>AOC-DEP-FY-SDPML</i>
<i>Skill Development Program in Web Development using JAVASCRIPT and REACTJS</i>	<i>AOC-DEP-FY-SDPWD</i>

  
**Dr. Mahesh Bunde**  
 B.E., M.E., Ph.D.  
 Director  
 Poornima College of Engineering  
 ISI-0, RIICO Institutional Area  
 Ghatapada, JAIPUR



# POORNIMA


## COLLEGE OF ENGINEERING

### List of Add on/ Certificate/ value added programs offered during session 2020-21

NAME OF COURSE	COURSE CODE
<b>DEPARTMENT LEVEL COURSES</b>	
<b>DEPARTMENT OF CIVIL ENGINEERING</b>	
<i>Advance Building Construction and Drawing</i>	<i>AOC-DEP-CIV-ABCD</i>
<i>Analysis &amp; Design of Tall Building</i>	<i>AOC-DEP-CIV-ADTB</i>
<i>Building Information Modelling</i>	<i>AOC-DEP-CIV-BIM</i>
<i>Residential House Planning as per NBC</i>	<i>AOC-DEP-CIV-RHPN</i>
<i>Sketch Up 3D Modeling</i>	<i>AOC-DEP-CIV-TDM</i>
<b>DEPARTMENT OF COMPUTER ENGINEERING</b>	
<i>Microsoft Azure Academia Program: Azure AI Fundamentals</i>	<i>AOC-DEP-CSE-AZAI</i>
<i>Microsoft Azure Academia Program: Python Programming</i>	<i>AOC-DEP-CSE-AZPY</i>
<i>Microsoft Azure Academia Program: Microsoft Azure Data Fundamentals</i>	<i>AOC-DEP-CSE-AZDF</i>
<i>Microsoft Azure Academia Program: Big Data</i>	<i>AOC-DEP-CSE-AZBD</i>
<i>Microsoft Azure Academia Program: POWER BI "DATA ANALYTICS"</i>	<i>AOC-DEP-CSE-AZBI</i>
<i>Microsoft Azure Academia Program: Cloud Infrastructure and Security</i>	<i>AOC-DEP-CSE-AZCI</i>
<i>Programming in Hadoop</i>	<i>AOC-DEP-CSE-AZHD</i>
<i>Data Science with Python</i>	<i>AOC-DEP-CSE-DSPY</i>
<i>Selenium Testing</i>	<i>AOC-DEP-CSE-SETS</i>
<b>DEPARTMENT OF ELECTRICAL ENGINEERING</b>	
<i>Understanding of Electrical Machines</i>	<i>AOC-DEP-EE-EM</i>
<i>Introduction to Internet of Things (IOT) in Electrical Engineering</i>	<i>AOC-DEP-EE-IOT</i>
<i>Applications of Arduino devices in Electrical Engineering</i>	<i>AOC-DEP-EE-ARD</i>
<i>Introduction to Raspberry PI and its applications</i>	<i>AOC-DEP-EE-RSPI</i>
<i>Introduction to PV Syst and its applications in Power Engineering</i>	<i>AOC-DEP-EE-PVS</i>
<b>DEPARTMENT OF ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>	
<i>Art of Technical Writing &amp; Publishing Research Papers</i>	<i>AOC-DEP-ECE-TWP</i>
<i>PSpice: A modeling Tool</i>	<i>AOC-DEP-ECE-PSP</i>
<i>VLSI Circuit Design using Xilinx &amp; Mentor Graphics Tools</i>	<i>AOC-DEP-ECE-VLSI</i>
<i>LABVIEW &amp; its Hardware Application</i>	<i>AOC-DEP-ECE-LABV</i>
<i>Simulation using PROTEUS Software</i>	<i>AOC-DEP-ECE-PCBD</i>
<i>Application of MATLAB in Engineering</i>	<i>AOC-DEP-ECE-MATL</i>
<b>DEPARTMENT OF INFORMATION TECHNOLOGY</b>	
<i>Introduction to Python Programming</i>	<i>AOC-DEP-IT-PYP</i>
<i>Web Design and Development</i>	<i>AOC-DEP-IT-WEB</i>
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>	
<i>Solid Works</i>	<i>AOC-DEP-ME-SW</i>
<i>Basics of Automobile Engineering</i>	<i>AOC-DEP-ME-AE</i>
<i>Advances of Automobile Engineering</i>	<i>AOC-DEP-ME-AAE</i>
<b>DEPARTMENT OF FIRST YEAR</b>	

Dr. Mahesh Bunde  
Director of Engineering  
Poornima College of Engineering  
131-0, RICO Institutional Area  
Ghatapada, Jaipur

<b><i>Project Based Learnings</i></b>	<b><i>AOC-DEP-FY-PBL</i></b>
<b><i>Program on Logical Reasoning and Technical Skill Development</i></b>	<b><i>AOC-DEP-FY-LRTS</i></b>
<b><i>Skill Development Program in Project Oriented Training</i></b>	<b><i>AOC-DEP-FY-SDPP</i></b>
<b><i>Skill Development Program in Advanced C</i></b>	<b><i>AOC-DEP-FY-ACP</i></b>
<b><i>Skill Development Program in Machine Learning-Deep learning</i></b>	<b><i>AOC-DEP-FY-SDPML</i></b>
<b><i>Skill Development Program in Web Development using JAVASCRIPT and REACTJS</i></b>	<b><i>AOC-DEP-FY-SDPWD</i></b>

  
**Dr. Mahesh Bunde**  
 B.E., M.E., Ph.D.  
 Director  
 Poornima College of Engineering  
 ISI-0, RIICO Institutional Area  
 Ghatapada, JAIPUR





# POORNIMA

## COLLEGE OF ENGINEERING

### List of Add on/ Certificate/ value added programs offered during session 2019-20

NAME OF COURSE	COURSE CODE
<b>CAMPUS LEVEL COURSES</b>	
<b>IBM SOFTWARE LAB FOR EMERGING TECHNOLOGIES</b>	
<i>Application Development And Deployment For Cloud Using IBM Bluemix</i>	<i>AOC-CP-IBM-BLU</i>
<i>Learning Business Intelligence Using IBM Cognos</i>	<i>AOC-CP-IBM-COG</i>
<i>IoT Application Development And Deployment Using IBM Bluemix</i>	<i>AOC-CP-IBM-IOT</i>
<i>Spoken Tutorial- CPP</i>	<i>AOC-CP-SPT-CPP</i>
<i>Spoken Tutorial- PYTHON 3.4.3</i>	<i>AOC-CP-SPT-PYTH</i>
<b>DEPARTMENT LEVEL COURSES</b>	
<b>DEPARTMENT OF CIVIL ENGINEERING</b>	
<i>Revit Architecture</i>	<i>AOC-DEP-CIV-REV</i>
<i>Automatic Computer Aided Designing / Drafting</i>	<i>AOC-DEP-CIV-CAD</i>
<i>STADD PRO</i>	<i>AOC-DEP-CIV-SPRO</i>
<b>DEPARTMENT OF COMPUTER ENGINEERING</b>	
<i>Web Development</i>	<i>AOC-DEP-CSE-WebD</i>
<i>Dot Net Framework</i>	<i>AOC-DEP-CSE-DotNet</i>
<i>Programming in Java Script</i>	<i>AOC-DEP-CSE-PJS</i>
<i>Blockchain Technology</i>	<i>AOC-DEP-CSE-BCT</i>
<i>Cisco Certified Network Administrator</i>	<i>AOC-DEP-CSE-CCNA</i>
<i>Web Development with Django</i>	<i>AOC-DEP-CSE-WDDJ</i>
<i>Programming in Hadoop</i>	<i>AOC-DEP-CSE-HDP</i>
<i>Data Science with Python</i>	<i>AOC-DEP-CSE-DSP</i>
<b>DEPARTMENT OF ELECTRICAL ENGINEERING</b>	
<i>Applications of Arduino devices in Electrical Engineering</i>	<i>AOC-DEP-EE-AAD</i>
<i>Introduction to Internet of Things (IOT) in Electrical Engineering</i>	<i>AOC-DEP-EE-IOT</i>
<i>Introduction to MATLAB and its application in Electrical Engineering</i>	<i>AOC-DEP-EE-MATL</i>
<i>Overview of Photovoltaic Systems</i>	<i>AOC-DEP-EE-PHVS</i>
<i>Fundamentals of Autocad and its applications</i>	<i>AOC-DEP-EE-CAD</i>
<b>DEPARTMENT OF ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>	
<i>Foundation to Robotics</i>	<i>AOC-DEP-EC-ROBO</i>
<i>Hardware Integration with LabVIEW</i>	<i>AOC-DEP-EC-LABV</i>
<i>The Tool for Zotero Integration</i>	<i>AOC-DEP-EC- LATZ</i>
<i>Keil Embedded Development Tools SIMULATE, AND LAYOUT</i>	<i>AOC-DEP-EC- KEIL</i>
<i>Introduction to Programming with MATLAB</i>	<i>AOC-DEP-EC- MATL</i>
<i>PCB Designing</i>	<i>AOC-DEP-EC- PCBD</i>
<b>DEPARTMENT OF INFORMATION TECHNOLOGY</b>	
<i>Web Development using Angular JS</i>	<i>AOC-DEP-IT-WEBD</i>
<i>Automation Testing using Selenium</i>	<i>AOC-DEP-IT-TS</i>
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>	
<i>CATIA</i>	<i>AOC-DEP-ME-CATIA</i>
<b>DEPARTMENT OF FIRST YEAR</b>	

Dr. Mahesh Bunde  
B.E., M.E., Ph.D.  
Director of Engineering  
Poornima College of Engineering  
131-0, RIIICO Institutional Area  
Ghatapada, Jaipur

<i>Project Based Learnings</i>	<i>AOC-DEP-FY-PBL</i>
<i>Program on Logical Reasoning and Technical Skill Development</i>	<i>AOC-DEP-FY-LRTS</i>
<i>Skill Development Program in Project Oriented Training</i>	<i>AOC-DEP-FY-SDPP</i>
<i>Skill Development Program in Advanced C</i>	<i>AOC-DEP-FY-ACP</i>
<i>Skill Development Program in Machine Learning-Deep learning</i>	<i>AOC-DEP-FY-SDPML</i>
<i>Skill Development Program in Web Development using JAVASCRIPT and REACTJS</i>	<i>AOC-DEP-FY-SDPWD</i>

  
**Dr. Mahesh Bunde**  
 B.E., M.E., Ph.D.  
 Director  
 Poornima College of Engineering  
 ISI-0, RIICO Institutional Area  
 Ghatapada, JAIPUR





# POORNIMA


## COLLEGE OF ENGINEERING

### List of Add on/ Certificate/ value added programs offered during session 2018-19

NAME OF COURSE	COURSE CODE
<b>CAMPUS LEVEL COURSES</b>	
<b>IBM SOFTWARE LAB FOR EMERGING TECHNOLOGIES</b>	
<i>Application Development And Deployment For Cloud Using IBM Bluemix</i>	<i>AOC-CP-IBM-BLU</i>
<i>Learning Business Intelligence Using IBM Cognos</i>	<i>AOC-CP-IBM-COG</i>
<i>IoT Application Development And Deployment Using IBM Bluemix</i>	<i>AOC-CP-IBM-IOT</i>
<b>SPOKEN TUTORIAL COURSES</b>	
<i>Spoken Tutorial- CPP</i>	<i>AOC-CP-SPT-CPP</i>
<i>Spoken Tutorial- PYTHON</i>	<i>AOC-CP-SPT-PYTH</i>
<i>Spoken Tutorial- JAVA</i>	<i>AOC-CP-SPT-JAVA</i>
<i>Spoken Tutorial- QCAD</i>	<i>AOC-CP-SPT-QCAD</i>
<b>DEPARTMENT LEVEL COURSES</b>	
<b>DEPARTMENT OF CIVIL ENGINEERING</b>	
<i>Basics of Remote Sensing, Geographical Information System &amp; Global Navigation Satellite System</i>	<i>AOC-DEP-CIV-RSGIS</i>
<i>Practical Knowledge On Sewage Treatment Plant</i>	<i>AOC-DEP-CIV-PKSTP</i>
<b>DEPARTMENT OF COMPUTER ENGINEERING</b>	
<i>Web Development</i>	<i>AOC-DEP-CSE-WebD</i>
<i>Dot Net Framework</i>	<i>AOC-DEP-CSE-DotNet</i>
<i>Programming in Java Script</i>	<i>AOC-DEP-CSE-PJS</i>
<i>Blockchain Technology</i>	<i>AOC-DEP-CSE-BCT</i>
<i>Cisco Certified Network Administrator</i>	<i>AOC-DEP-CSE-CCNA</i>
<i>Programming in Hadoop</i>	<i>AOC-DEP-CSE-HDP</i>
<i>Data Science with Python</i>	<i>AOC-DEP-CSE-DSP</i>
<b>DEPARTMENT OF ELECTRICAL ENGINEERING</b>	
<i>Fundamental of Electrical Engineering and Energy studies</i>	<i>AOC-DEP-EE-FEES</i>
<i>Introduction to ETAP for Electrical Engineering</i>	<i>AOC-DEP-EE-ETAP</i>
<i>Introduction to Electric Vehicle and Future Prospects</i>	<i>AOC-DEP-EE-EVFP</i>
<i>Fundamentals of Autocad and its Applications</i>	<i>AOC-DEP-EE-FAA</i>
<i>Introduction to State Space Modelling of Complex Engineering Problems in MATLAB</i>	<i>AOC-DEP-EE-SSM</i>
<b>DEPARTMENT OF ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>	
<i>VLSI Design using Cadence Tools</i>	<i>AOC-DEP-ECE-VLSI</i>
<i>Introduction to Programming with MATLAB</i>	<i>AOC-DEP-ECE-MATL</i>
<i>Technical Writing with Latex and Zotero</i>	<i>AOC-DEP-ECE-LATEX</i>
<i>Circuit Maker Simulation</i>	<i>AOC-DEP-EC-CMS</i>
<b>DEPARTMENT OF INFORMATION TECHNOLOGY</b>	
<i>Web Design &amp; Development</i>	<i>AOC-DEP-IT-WEB</i>
<i>Introduction to Python Programming</i>	<i>AOC-DEP-IT-PYTH</i>
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>	
<i>Solid Works</i>	<i>AOC-DEP-ME-SW</i>

*Dr. Mahesh Bunde*  
B.E., M.E., Ph.D.  
Director  
Poornima College of Engineering  
131-0, RICO Institutional Area  
Ghatapada, Jaipur

<b>CATIA</b>	<b>AOC-DEP-ME-CAT</b>
<b>ANSYS</b>	<b>AOC-DEP-ME-SYS</b>
<b>DEPARTMENT OF FIRST YEAR</b>	
<b>Project Based Learnings</b>	<b>AOC-DEP-FY-PBL</b>
<b>Program on Logical Reasoning and Technical Skill Development</b>	<b>AOC-DEP-FY-LRTS</b>
<b>Skill Development Program in Project Oriented Training</b>	<b>AOC-DEP-FY-SDPP</b>
<b>Skill Development Program in Advanced C</b>	<b>AOC-DEP-FY-ACP</b>
<b>Skill Development Program in Machine Learning-Deep learning</b>	<b>AOC-DEP-FY-SDPML</b>
<b>Skill Development Program in Web Development using JAVASCRIPT and REACTJS</b>	<b>AOC-DEP-FY-SDPWD</b>

  
**Dr. Mahesh Bunde**  
 B.E., M.E., Ph.D.  
 Director  
 Poornima College of Engineering  
 ISI-0, RIICO Institutional Area  
 Ghatapada, JAIPUR



# POORNIMA

## COLLEGE OF ENGINEERING

### List of Add on/ Certificate/ value added programs offered during session-2017-18

NAME OF COURSE	COURSE CODE
<b>CAMPUS LEVEL COURSES</b>	
<b>IBM SOFTWARE LAB FOR EMERGING TECHNOLOGIES</b>	
Application Development And Deployment For Cloud Using IBM Bluemix	AOC-CP-IBM-BLU
Learning Business Intelligence Using IBM Cognos	AOC-CP-IBM-COG
IoT Application Development And Deployment Using IBM Bluemix	AOC-CP-IBM-IOT
<b>SPOKEN TUTORIAL COURSES</b>	
Spoken Tutorial-PHP & MYSQL	AOC-CP-SPT-PHP
Spoken Tutorial- CPP	AOC-CP-SPT-CPP
<b>QEEE COURSES</b>	
QEEE Course - Memory and IO - Advanced Computer Architecture	AOC-DEP-EE-QEEE
QEEE Course - Storage Management- Operating Systems	AOC-DEP-IT-QEEE1
QEEE Course- Object Oriented Concepts-Classes and Data Abstraction-Operator Overloading-Inheritance	AOC-DEP-IT-QEEE2
QEEE Course Linear Data Structures and Applications - Data Structures and Algorithms	AOC-DEP-IT-QEEE3
<b>DEPARTMENT LEVEL COURSES</b>	
<b>DEPARTMENT OF CIVIL ENGINEERING</b>	
Revit Architecture	AOC-DEP-CIV-REV
AutoCAD	AOC-DEP-CIV-CAD
STADD PRO	AOC-DEP-CIV-SPRO
<b>DEPARTMENT OF COMPUTER ENGINEERING</b>	
Advanced Java	AOC-DEP-CSE-ADJ
Python Programming	AOC-DEP-CSE-PPG
Mobile Application Development	AOC-DEP-CSE-MAD
Cisco Certified Network Administrator	AOC-DEP-CSE-CNA
Programming In Hadoop	AOC-DEP-CSE-HDP
Data Science With Python	AOC-DEP-CSE-DSP
<b>DEPARTMENT OF ELECTRICAL ENGINEERING</b>	
Understanding Of Basic Electrical System	AOC-DEP-EE-BES
Smart Grid: Integration, Energy Storage And System Operations	AOC-DEP-EE-SGS
Overview Of Photovoltaic Systems	AOC-DEP-EE-PVS
Introduction To PV System And Its Applications In Power Engineering	AOC-DEP-EE-PVA
<b>DEPARTMENT OF ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>	
Etching & Designing	AOC-DEP-ECE-ETC
NI Multisim Basics: Schematic Capture And Simulation	AOC-DEP-ECE-SIM
Introduction of Technical Writing Skills	AOC-DEP-ECE-TWS
Basics of Programming Languages	AOC-DEP-ECE-BPL
<b>DEPARTMENT OF INFORMATION TECHNOLOGY</b>	
Web Development	AOC-DEP-IT-WEB
Automation Testing Using Selenium	AOC-DEP-IT-SEL
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>	
ANSYS	
<b>DEPARTMENT OF FIRST YEAR</b>	
Project Based Learning	AOC
Logical Reasoning and Technical Skill Development	
Advanced C Programming	

Dr. Mahesh Bunde  
B.E., M.E., Ph.D.  
Director  
Poornima College of Engineering  
131-0, Rajgurunagar Institutional Area  
Ulhasnagar, Dist. T. AC