



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

*Certificate/ Add-on/ Value added
programs – Summary Sheets
(Session 2018-19)*

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Campus Level Add-on Course (IBM Programs)

Summary Report



POORNIMA

COLLEGE OF ENGINEERING

Session - 2018-19

Add-on Course- Business Intelligence using IBM Cognos

(Code: AOC-CP-IBM-COG)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Explore information freely, analyze key facts, collaborate to gain alignment with key stakeholders and make decisions for better business outcomes
CO2	Access reports, analysis, dashboards, scorecards, planning and budgets, real time information, statistics and manage information for more informed decisions.
CO3	Integrate the results of 'What-If' analysis modeling and predictive analytics into a unified workspace to view possible future outcomes alongside current and historical data
CO4	Work with business intelligence capabilities for the office and desktop, on mobile devices, online and offline.
CO5	Work with scalable and extensible solution that can adapt to the changing needs of IT and the business with flexible deployment options that include the cloud, mainframes and data warehousing appliances.

Sr. No.	Particulars	Remark
1.	Year	3 rd Year
2.	Semester	5 th , 6 th
3.	No of Student Enrolled	342
4.	No of Student certified	31(IBM Certificate) & 94 (College Level)
5.	Overall remark by feedback	As per the feedback, students will be work with business intelligence capabilities for the office and desktop, on mobile devices, online and offline Overall objective of the course has been achieved by the feedback given by the participants.
6.	Action to be taken for future batch	Use of Projector should be done in lab for better understanding of the commands of options of the software.


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COLLEGE OF ENGINEERING

Session - 2018-19

Add-on Course- Development and Deployment for Cloud using IBM Bluemix (Course Code: AOC-CP-IBM-BLU)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Develop the cloud services like SAAS and store the huge data on the cloud.
CO2	Create any web application and use the SQL DB as a backend.
CO3	Create different types of language translator like Google translator using Watson through Bluemix
CO4	Create a live chat application using Watson through Bluemix.
CO5	Run the application on the web and monitor via the Bluemix user interface, and cloud foundry command line interface
CO6	Manage the cloud resources i.e. increase and decrease the cloud resources in terms of memory, and CPU Utilization.
CO7	Control the different home appliance through the mobile.
CO8	Create and run the mobile application via Bluemix.

Sr. No.	Particulars	Remark
1.	Year	3 rd Year
2.	Semester	5 th , 6 th Semester
3.	No of Student Enrolled	314
4.	No of Student certified	42(IBM Certificate) +126 (College Level)
5.	Overall remark by feedback	As per the feedback, students learned a range of services of IBM Bluemix cloud computing platform that enable them to rapidly build and extend web and mobile applications. Overall objective of the course has been achieved by the feedback given by the participants.
6.	Action to be taken for future batch	Use of Projector should be done in lab for better understanding of the commands of options of the software.


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COLLEGE OF ENGINEERING

Session - 2018-19

**Add-on Course- IoT Application Development and Deployment using IBM BlueMix
(AOC-CP-IBM-IOT)**

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Setup the Raspberry Pi, Node.js and familiar with working in the Linux environment
CO2	Use Node.js environment to make Raspberry Pi blink
CO3	Gain familiarity with the Bluemix IOT services, its UI/ navigation and deploy a Node-RED application on Bluemix
CO4	Understand devices and gateway registration process and explore the world of sensors in Node-RED environment with Raspberry Pi.
CO5	Develop and deploy Node-RED applications as prescribed in the coursework on Bluemix
CO6	Function effectively in a team during training/ project work, prepare and present reports.

Sr. No.	Particulars	Remark
1.	Year	3 rd Year
2.	Semester	V & VI Semester
3.	No of Student Enrolled	385
4.	No of Student certified	41(Poornima Certificate) + 114 (College Level)
5.	Overall remark by feedback	As per the feedback, Students learned basic IOT solution using open source low cost device such as Raspberry Pi, and a trial version of the cloud based IBM Watson IOT platform. Overall objective of the course has been achieved by the feedback given by the participants.
6.	Action to be taken for future batch	Use of Projector should be done in lab for better understanding of the commands of options of the software. Separate classes on Python programming was arranged.


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Add-on Courses
Summary Report
DEPARTMENT OF CIVIL ENGINEERING



POORNIMA

COLLEGE OF ENGINEERING

Department of Civil Engineering

Even Semester- 2018-19

Add-on Course-Basics of Remote Sensing, Geographical Information System & Global Navigation Satellite System (AOC-DEP-CIV-RSGIS) Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	To remember the basic knowledge of GIS.
CO2	To understand the data preparation, data mining, data management, and data visualization.
CO3	Apply basic graphic and data visualization concepts such as color theory, symbolization, and use of white space
CO4	Demonstrate proficiency in the use of GIS tools to create maps that are fit-for-purpose and effectively convey the information they are intended to

Sr. No.	Particulars	Remark
1.	Year	3 rd Year
2.	Semester	VI Semester
3.	No of Student Enrolled	65
4.	No of Student certified	62
5.	Overall remark by feedback	As per the feedback, Students should be learning by live examples. Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	If Possible, Department will be use the software as well as industry expert.



POORNIMA

COLLEGE OF ENGINEERING

Department of Civil Engineering

Even Semester- 2018-19

Add-on Course- Practical Knowledge on Sewage Treatment Plant (AOC-DEP-CIV-PKSTP)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	To remember the concept of STP.
CO2	To understand the function of STP Units.
CO3	Apply the Knowledge of STP in field.
CO4	To analyze the different Structural Component STP.

Sr. No.	Particulars	Remark
1.	Year	4 th Year
2.	Semester	VII Semester
3.	No of Student Enrolled	71
4.	No of Student certified	68
5.	Overall remark by feedback	As per the feedback, Students wants to visit out of station plants. Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	If Possible, Department will be talk and plan visit other states treatment plant which are larger and best in process.

Add-on Courses Summary Report

DEPARTMENT OF COMPUTER ENGINEERING



POORNIMA

COLLEGE OF ENGINEERING

Department of Computer Engineering

Even Semester- 2018-19

Add-on Course- Web Development(AOC-DEP-CSE-WebD)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Apply the concepts of World Wide Web, and the requirements of effective web design.
CO2	Develop web pages using the HTML and CSS features with different layouts as per need of applications.
CO3	Use the JavaScript to develop the dynamic web pages.
CO4	Construct simple web pages in PHP and to represent data in XML format.
CO5	Use server-side scripting with PHP to generate the web pages dynamically using the database connectivity.

Sr. No.	Particulars	Remark
1.	Year	2 nd Year
2.	Semester	III Semester
3.	No of Student Enrolled	62
4.	No of Student certified	57
5.	Overall remark by feedback	Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	Project based on Realtime problem solving will be added in future.



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COLLEGE OF ENGINEERING

Department of Computer Engineering

Even Semester- 2018-19

Add-on Course- DotNet Framework (AOC-DEP-CSE-DotNet)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Apply the Microsoft .NET Framework and ASP.NET page structure
CO2	Design web application with variety of controls
CO3	Access the data using inbuilt data access tools
CO4	Use Microsoft, ADO .NET to access data in web application
CO5	Configure and deploy web application

Sr. No.	Particulars	Remark
1.	Year	2 nd Year
2.	Semester	III Semester
3.	No of Student Enrolled	60
4.	No of Student certified	55
5.	Overall remark by feedback	The course was very interesting and it achieved is all objective.
6.	Action to be taken for future batch	The hands on practice required more for developing the project with dotnet.



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Department of Computer Engineering

Even Semester- 2018-19

Add-on Course- Programming in Java Script (AOC-DEP-CSE-PJS)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Students will be able to learn JavaScript fundamentals: variables, if/else, operators, Boolean logic, functions, arrays, objects, loops, strings and able to apply on any use-cases.
CO2	Students will be able to learn about the DOM (document object model) and Window Object, able to manipulate the DOM at run time.
CO3	Students will be able to learn about How JavaScript works behind the scenes i.e. engines, the call stack, hoisting, scoping, the 'this' keyword, reference values.
CO4	Students will be able apply functions in Java script and able to implement the function in real world case studies.
CO5	Students will be able to learn the object-oriented features of Java script like classes, inheritance and polymorphism.

Sr. No.	Particulars	Remark
1.	Year	2 nd Year
2.	Semester	III Semester
3.	No of Student Enrolled	58
4.	No of Student certified	54
5.	Overall remark by feedback	This course starts with the very basics of JavaScript including variables, data types, operators, expressions, etc. They'll help students to write program using JavaScript language.
6.	Action to be taken for future batch	Proceeding further with the most important concepts like Asynchronous JavaScript and promises



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Department of Computer Engineering

Even Semester- 2018-19

Add-on Course- Blockchain Technology(AOC-DEP-CSE-BCT)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Application of specific block chain architecture for a given problem
CO2	Analyze the role of block chain applications in different domains including cyber security
CO3	Evaluate the usage of Block chain implementation/features for the given problem
CO4	Exemplify the usage of bitcoins and its impact on the economy
CO5	Demonstrate the basics of Block chain concepts using modern tools/technologies

Sr. No.	Particulars	Remark
1.	Year	3rd Year
2.	Semester	V Semester
3.	No of Student Enrolled	62
4.	No of Student certified	56
5.	Overall remark by feedback	Overall objective of the course has been achieved by the feedback given by the students.
6.	Action to be taken for future batch	Application area of blockchain technology required explanation in more details.



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Department of Computer Engineering

Even Semester- 2018-19

Add-on Course- Cisco Certified Network Administrator(AOC-DEP-CSE-CNA)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Identification of network fundamentals
CO2	Identification and configuration of LAN switching technologies
CO3	Description, implementation and verification of IP routing technologies
CO4	Identification and configuration of WAN technologies
CO5	Identification and configuration of infrastructure services.

Sr. No.	Particulars	Remark
1.	Year	3rd Year
2.	Semester	V Semester
3.	No of Student Enrolled	62
4.	No of Student certified	60
5.	Overall remark by feedback	Over all learning of CCNA course was good. Students facing some problems to creating a live LAN architecture.
6.	Action to be taken for future batch	The LAN architecture implemented in NS2 simulator so all the students will more understand on this concept.



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Department of Computer Engineering

Even Semester- 2018-19

Add-on Course- PROGRAMMING IN HADOOP(AOC-DEP-CSE-CNA)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Apply the concepts of Big Data and Hadoop ecosystem.,
CO2	Ability to analyze the Hadoop distributed file system (HDFS) for storing big data files
CO3	Develop Leverage Hadoop as a reliable, scalable MapReduce framework.
CO4	Develop MapReduce programs and implementing HBase.
CO5	Implement Hive and Pig scripts.

Sr. No.	Particulars	Remark
1.	Year	4 th Year
2.	Semester	VII Semester
3.	No of Student Enrolled	62
4.	No of Student certified	57
5.	Overall remark by feedback	Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	More hands-on practice need for HDFS file system.



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COLLEGE OF ENGINEERING

Department of Computer Engineering

Even Semester- 2018-19

Add-on Course- Data Science with Python(AOC-DEP-CSE-DSP)

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Apply the programming constructs like variables, data structures and control flow structures
CO2	Develop programs using file handling, Object oriented paradigms, GUI controls
CO3	Demonstrate the use of pandas library, the main methods for DataFrames.
CO4	Use Python IDEs like IDLE, Spyder, and PyCharm to develop programs
CO5	Design solutions of real-world data science problems using Python programs

Sr. No.	Particulars	Remark
1.	Year	4 th Year
2.	Semester	VII Semester
3.	No of Student Enrolled	65
4.	No of Student certified	64
5.	Overall remark by feedback	Students enjoy this course and learn about the python library used in datascience project.
6.	Action to be taken for future batch	More practice on the open dataset so that the data science concepts more understand.

Add-on Courses Summary Report

DEPARTMENT OF ELECTRICAL ENGINEERING



POORNIMA

COLLEGE OF ENGINEERING

Department of Electrical Engineering

Even Semester- 2018-19

Add-on Course- (AOC-DEP-EE-FEEES) Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Students will be able to learn about basic concept of AC and DC circuits
CO2	Students will be able to solve the problems on network theorems
CO3	Students will be able to learn about AC, DC machines and about transformers
CO4	Students will be able to learn about electrical energy basics.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1					3				3					3	3
CO2					3										3
CO3									3						
CO4									3					3	

Sr. No.	Particulars	Remark
1.	Year	2 nd & 3 rd Year
2.	Semester	IV & VI Semester
3.	No of Student Enrolled	185
4.	No. of student absent in Exam	31
5.	No. of Student not eligible for the certification	84
6.	No of Student certified	70
7.	Overall remark by feedback	As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.
8.	Action to be taken for future batch	More Time is required for the practice session. Proper Time to be managed to complete all the Experiments


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COLLEGE OF ENGINEERING

Department of Electrical Engineering

Even Semester- 2018-19

Add-on Course- (AOC-DEP-EE-ETAP) Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Students will be able to learn about ETAP
CO2	Students will be able to learn about various features of ETAP.
CO3	Students will be able to apply responsive design to enable various transient problems
CO4	Students will be able to see future prospects of ETAP on the basis of application.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1										3			3		3
CO2								3		3					
CO3								3							3
CO4										3					

Sr. No.	Particulars	Remark
1.	Year	4 th Year
2.	Semester	VII Semester
3.	No of Student Enrolled	120
4.	No. of student absent in Exam	9
5.	No. of Student not eligible for the certification	41
6.	No of Student certified	70
7.	Overall remark by feedback	As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.
8.	Action to be taken for future batch	More Time is required for the practice session. Proper Time to be managed to complete all the Experiments


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COLLEGE OF ENGINEERING

Department of Electrical Engineering

Even Semester- 2018-19

Add-on Course- (AOC-DEP-EE-EVFP) Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Students will be able to learn about govt. policies for electric vehicles in India.
CO2	Students will be able to learn about the element used (Power converter, battery, charger & motor etc.) in Electric vehicles.
CO3	Students will be able to design & modelling of Electric vehicle.
CO4	Students will be able to learn future trends in Electric vehicles.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1							3								
CO2											3				
CO3											3				
CO4							3				3				

Sr. No.	Particulars	Remark
1.	Year	2 nd Year
2.	Semester	III Semester
3.	No of Student Enrolled	80
4.	No. of student absent in Exam	2
5.	No. of Student not eligible for the certification	18
6.	No of Student certified	60
7.	Overall remark by feedback	As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.
8.	Action to be taken for future batch	More Time is required for the practice session. Proper Time to be managed to complete all the Experiments


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COLLEGE OF ENGINEERING

Department of Electrical Engineering

Even Semester- 2018-19

Add-on Course- (AOC-DEP-EE-FAA) Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Students will be able to Understanding the AutoCAD workspace and user interface.
CO2	Students will be able to make design using basic drawing, editing, Adding text, hatching, dimensions and viewing tools.
CO3	Students will be able to Preparing a knowledge of drafting procedures and terminology.
CO4	Students will be able to Understand and demonstrate dimensioning concepts and techniques devices.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1					3										
CO2					3										
CO3					3				3						
CO4									3						

Sr. No.	Particulars	Remark
1.	Year	3 rd Year
2.	Semester	VSemester
3.	No of Student Enrolled	50
4.	No. of student absent in Exam	3
5.	No. of Student not eligible for the certification	7
6.	No of Student certified	40
7.	Overall remark by feedback	As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.
8.	Action to be taken for future batch	More Time is required for the practice session. Proper Time to be managed to complete all the Experiments

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COLLEGE OF ENGINEERING

Department of Electrical Engineering

Even Semester- 2018-19

Add-on Course- (AOC-DEP-EE-SSM) Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Students will be able to understand features and importance of MATLAB in mathematical Programming environment.
CO2	Students will be able to solve problems related to Electrical circuit applications in simulation tool.
CO3	Students will be able to articulate the importance of MATLAB in research by simulation work.
CO4	Students will be able to apply responsive design to enable page to be viewed by various devices.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1				3					3						
CO2				3		3			3						
CO3					3							3			
CO4				3		3						3			

Sr. No.	Particulars	Remark
1.	Year	4 th Year
2.	Semester	VIII Semester
3.	No of Student Enrolled	75
4.	No. of student absent in Exam	8
5.	No. of Student not eligible for the certification	22
6.	No of Student certified	45
7.	Overall remark by feedback	As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.
8.	Action to be taken for future batch	More Time is required for the practice session. Proper Time to be managed to complete all the Experiments

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Add-on Courses
Summary Report
DEPARTMENT OF ELECTRONICS AND
ENGINEERING



POORNIMA

COLLEGE OF ENGINEERING

Department of Electronics and Communication Engineering

Even Semester- 2018-19

Add-on Course- VLSI Design using Cadence Tools (AOC-DEP-ECE-VLSI)

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Provide fundamental hands-on experience on the state-of-the-art Cadence EDA tools for VLSI Design.
CO2	Apply knowledge on the Circuit Design & Simulation, Layout, Physical Verification (DRC, LVS), and Extraction.
CO3	Demonstrate the Circuit Design & Simulation, Layout, Physical Verification (DRC, LVS), and Extraction.
CO4	Evaluate practice sessions on the Cadence design and simulation tools (Encounter, RTL Compiler, Virtuoso, Specter, Assura and Incisive).

Sr. No.	Particulars	Remark
1.	Year	3 rd Year
2.	Semester	VI Semester
3.	No of Student Enrolled	32
4.	No of Student certified	27
5.	Overall remark by feedback	New software require more practical session
6.	Action to be taken for future batch	Time division is revised so that more time will be dedicated to practice session and will conduct workshop by expert speaker in this domain to incorporate good theory sessions also.



POORNIMA

COLLEGE OF ENGINEERING

Department of Electronics and Communication Engineering

Even Semester- 2018-19

Add-on Course- Introduction to Programming with MATLAB (AOC-DEP-ECE-MATL)

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Apply the Knowledge to the students with MATLAB software.
CO2	Develop a working introduction to the Matlab technical computing environment
CO3	Demonstrate the use of programming knowledge in Research and Development
CO4	Use of a high-level programming language, Matlab. [scientific problem solving with applications and examples from Engineering.
CO5	Design solutions of real-world computational problems using Matlab programs

Sr. No.	Particulars	Remark
1.	Year	2 nd Year
2.	Semester	IV Semester
3.	No of Student Enrolled	31
4.	No of Student certified	28
5.	Overall remark by feedback	Little bit hard to understand but workshop is very important as it provides the knowledge of simulation.
6.	Action to be taken for future batch	Try to conduct project based batches for MTALB Simulation.



POORNIMA

COLLEGE OF ENGINEERING

Department of Electronics and Communication Engineering

Even Semester- 2018-19

Add-on Course- Technical Writing with Latex and Zotero (AOC-DEP-ECE-LATEX)

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Explain the basics of programming constructs like variables, data structures and numeric keys, commands etc.
CO2	Apply the skill of using high-quality typesetting system, for publication of research papers, thesis and book chapter
CO3	Write various types of formulae, equations, matrices etc..
CO4	Using LaTeX and Zotero Create Tables, Graphics and Pictures Lists, Arrays and Bibliography
CO5	Create Slides with Beamer and posters.

Sr. No.	Particulars	Remark
1.	Year	4 th Year
2.	Semester	VIII Semester
3.	No of Student Enrolled	42
4.	No of Student certified	40
5.	Overall remark by feedback	1) Require more Hands on Practice session. 2) Overall activity is good for enhancing writing skills.
6.	Action to be taken for future batch	More time is dedicated for Hands on Training session as compared to theory session.



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COLLEGE OF ENGINEERING

Department of Electronics and Communication Engineering

Even Semester- 2018-19

Add-on Course- Proteus Simulation and PCB Design (AOC-DEP-EC-CMS)

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Apply the knowledge about the basic electronic components and its usage in electric circuits on Simulation and PCB Design of the circuit.
CO2	Develop programs using Proteus software, Printed Circuit Board (PCB) and 3D visualizer of the circuit.
CO3	Synthesis PCB in copper plate hardware by etching. Drilling to place components Soldering and Desoldering of components.
CO4	Evaluate output of the hardware developed PCB with the simulation output
CO5	Create interest for learning further and making small projects.

Sr. No.	Particulars	Remark
1.	Year	4 th Year
2.	Semester	VIII Semester
3.	No of Student Enrolled	42
4.	No of Student certified	36
5.	Overall remark by feedback	1) Very Easy and important software for designing PCB for project work
6.	Action to be taken for future batch	We will arrange more Hands on sessions for Practice.

Add-on Courses Summary Report

DEPARTMENT OF INFORMATION TECHNOLOGY



POORNIMA

COLLEGE OF ENGINEERING

Department of Information Technology

Odd Semester- 2018-19

Add-on Course- Web Design and Development (Course Id:AOC-DEP-IT-WEB)

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Use different functions, variables, syntax and different technical tools for building any application
CO2	Apply the knowledge of web technology in developing web applications.
CO3	Develop solution to problems using appropriate method, technologies, framework, and web services.
CO4	Implement small to large scale project to provide live solution in web application development fields.

Sr. No.	Particulars	Remark
1.	Year	2 nd Year
2.	Semester	III Semester
3.	No of Student Enrolled	Total 39
4.	No of Student certified	39
5.	Overall remark by feedback	Overall objective of the course has been achieved as per the feedback given by the participants.
6.	Action to be taken for future batch	<ul style="list-style-type: none">For skill-based training programs more time will be given for practical or coding part so that students' skills can be enhanced.Mini projects will be assigned in groups.



POORNIMA

COLLEGE OF ENGINEERING

Department of Information & Technology

Even Semester- 2018-19

Add-on Course-Introduction to Python Programming (Course Id: AOC-DEP-IT-PYP)

COURSE OUTCOMES: After successful completion of this course Students will be able to:

S.No.	Course Outcomes
CO1	Examine Python syntax and semantics and be fluent in the use of Python flow control and functions.
CO2	Demonstrate proficiency in handling Threads, File and Exceptions.
CO3	Create, run and manipulate Python Programs using core data structures like Lists, Dictionaries and use Regular Expressions.
CO4	Interpret the concepts of GUI and WEB Programming as used in Python.
CO5	Implement exemplary applications related to Database Programming with ORM in Python.

Sr. No.	Particulars	Remark
1.	Year	2 nd Year (20 students), 3 rd Year (30 students)
2.	Semester	IV Semester, VI Semester
3.	No of Student Enrolled	50
4.	No of Student certified	50
5.	Overall remark by feedback	Students suggested that more focus is required on practice sets to enhance skill. Overall objective of the course has been achieved as per the feedback given by the participants.
6.	Action to be taken for future batch	<ul style="list-style-type: none">For skill based training programs more time will be given for practical or coding part so that students' skills can be enhanced.Mini projects will be assigned in groups.

Add-on Courses Summary Report

DEPARTMENT OF MECHANICAL ENGINEERING



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POORNIMA

COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Even Semester- 2018-19

Add-on Course- SOLIDWORKS Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Understand sketcher profile toolbar, modification toolbar, constraining toolbar, ISO constraining of sketches using sketcher module of SOLID WORKS.
CO2	Creation of solids with following toolbars in part design module of SOLID WORKS: Sketch based features, Dress up features, Reference elements etc.
CO3	Generate 2D drawings with dimensions, tolerances & surface finish from 3D model. Generate assembly drawings with BOM.
CO4	Prepare assembly models using top down and bottom up approach. Generate assembly constraints, flexible assemblies, use of patterns in assembly.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	3	-	-	-	-	-	-	2	-	3	2
CO2	-	3	-	-	3	-	-	-	-	-	-	2	-	3	2
CO3	-	2	-	-	3	-	-	-	-	-	-	2	-	3	2
CO4	-	-	3	-	3	-	-	-	-	-	-	2	-	3	2

Sr. No.	Particulars	Remark
1.	Year	2 nd Year
2.	Semester	IV Semester
3.	No of Student Enrolled	101
4.	No. of student absent in Exam	23
5.	No. of Student not eligible for the certification	16
6.	No of Student certified	72
7.	Overall remark by feedback	As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants
8.	Action to be taken for future batch	Use of Projector should be done in this SOLIDWORKS lab for better understanding of the commands of options of the software.



POORNIMA

COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Even Semester- 2018-19

Add-on Course- CATIASummary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Understand sketcher profile toolbar, modification toolbar, constraining toolbar, iso constraining of sketches using sketcher module of CATIA.
CO2	Creation of solids with following toolbars in part design module of CATIA: Sketch based features, Dress up features, Reference elements etc.
CO3	Generate 2D drawings with dimensions, tolerances & surface finish from 3D model. Generate assembly drawings with BOM.
CO4	Prepare assembly models using top down and bottom up approach. Generate assembly constraints, flexible assemblies, use of patterns in assembly.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	3	-	-	-	-	-	-	2	-	3	2
CO2	-	3	-	-	3	-	-	-	-	-	-	2	-	3	2
CO3	-	2	-	-	3	-	-	-	-	-	-	2	-	3	2
CO4	-	-	3	-	3	-	-	-	-	-	-	2	-	3	2

Sr. No.	Particulars	Remark
1.	Year	3 rd Year
2.	Semester	VI Semester
3.	No of Student Enrolled	129
4.	No. of student absent in Exam	27
5.	No. of Student not eligible for the certification	20
6.	No of Student certified	84
7.	Overall remark by feedback	As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.
8.	Action to be taken for future batch	Use of Projector should be done in this CATIA lab for better understanding of the commands of options of the software. More Time is required for the practice session.



POORNIMA

COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Even Semester- 2018-19

Add-on Course- AOC-DEP-ME-SYS- ANSYS Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Discuss the basic features of an analysis package.
CO2	Demonstrate the deflection of beams subjected to point, uniformly distributed and varying loads
CO3	Use the modern tools to formulate and solve problems of bars, truss, beams, and plate to find stress with different loading conditions.
CO4	Applying basic principle to solve and demonstrate 1D and 2D heat transfer with conduction and convection boundary conditions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	-	-	-	-	-	-	2	-	3	2
CO2	-	3	-	-	-	-	-	-	-	-	-	2	-	3	2
CO3	-	-	-	-	3	-	-	-	-	-	-	2	-	3	2
CO4	-	-	-	3	-	-	-	-	-	-	-	2	-	3	2

Sr. No.	Particulars	Remark
1.	Year	3 rd Year
2.	Semester	VI Semester
3.	No of Student Enrolled	129
4.	No. of student absent in Exam	21
5.	No. of Student not eligible for the certification	37
6.	No of Student certified	82
7.	Overall remark by feedback	As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.
8.	Action to be taken for future batch	More Time is required for the practice session. Proper Time to be managed to complete all the Experiments

Add-on Courses Summary Report

DEPARTMENT OF FIRST YEAR



POORNIMA

COLLEGE OF ENGINEERING

Department of First Year

ODD Semester- 2018-19

Add-on Course-Project Based Learning Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Students will be able to have knowledge about various electronics components.
CO2	Students will be able to analyze selection of sensors and motors
CO3	Students will be able to develop their software collaborating with hardware programming skills.
CO4	Students will be able to Design various types of Real world projects

Sr. No.	Particulars	Remark
1.	Year	I Year
2.	Semester	I Semester
3.	No of Student Enrolled	497
4.	No of Student certified	497
5.	Overall remark by feedback	As per the feedback, more analysis related to sensors must be done.. Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	More sensors problems for better understanding, learning and improving the skill sets of the student.



POORNIMA

COLLEGE OF ENGINEERING

Department of First Year

Even Semester- 2018-19

Add-on Course-Logical Reasoning and Technical skill Development Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Students will be able to have knowledge about number system, quadratic equation, percentage, simple interest, compound interest, probability, permutation - combination and Vedic mathematics.
CO2	Students will be able to analyze the problems related to syllogism, patterns, puzzles and solve them.
CO3	Students will be able to develop their soft skills like communication skill (both speaking skill and writing skill). They will study about basic rules of English grammar to improve their communication.
CO4	Students will be able to improve their reasoning and logical thinking and also apply short cut tricks to solve the problems fast.

Sr. No.	Particulars	Remark
1.	Year	I Year
2.	Semester	II Semester
3.	No of Student Enrolled	497
4.	No of Student certified	497
5.	Overall remark by feedback	As per the feedback, more emphasis should be given on solving reasoning problems. Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	More emphasis on solving problems related to reasoning for improving skill set of the student



POORNIMA

COLLEGE OF ENGINEERING

Department of First Year

Odd Semester- 2018-19

Add-on Course-Skill Development Program in Project oriented training Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Understand the knowledge of basic machine tools related to electrical as well as mechanical engineering.
CO2	Apply the knowledge of some engineering software's like EAGLE and Auto CAD in the industrial field by making some capstan projects.
CO3	Analyze some basic problems in the field of electrical as well as mechanical engineering with the help of some advanced engineering tools and software's for example Auto Cad, EAGLE, Basic Machine Tools and SMD Components.
CO4	Evaluate themselves by working on some basic and fundamental projects with the help of some advanced engineering tools and software's like Auto Cad, EAGLE, Basic Machine Tools, and SMD Components.
CO5	Design & create some basic projects of ROBO Car with the help of some advanced engineering tools and software's like Auto Cad, EAGLE, Basic Machine Tools, and SMD Components.

Sr. No.	Particulars	Remark
1.	Year	I Year
2.	Semester	I Semester
3.	No of Student Enrolled	199
4.	No of Student certified	197
5.	Overall remark by feedback	As per the feedback, study should be done by Projector & and more design related tool should be used. Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	Use of Projector and software such as Eagle, AutoCAD should be done in this electrical lab for better understanding of the commands of options of the software.



POORNIMA

COLLEGE OF ENGINEERING

Department of First Year

Even Semester- 2018-19

Add-on Course-Skill Development Program in Advanced C Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Understand the basic concepts of C programming
CO2	Design and develop various programming problems using C programming concepts
CO3	Implement advance C programming concepts like function, pointer, structure, union and file handling.
CO4	Develop the project using concept of advance and data structure

Sr. No.	Particulars	Remark
1.	Year	I Year
2.	Semester	II Semester
3.	No of Student Enrolled	68
4.	No of Student certified	66
5.	Overall remark by feedback	As per the feedback, the study should be done by utilizing a projector & more emphasis should be given on solving problems related to pointers. Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	Use of Projector should be done in this C-Programming lab for better understanding of the commands of options of the software



POORNIMA

COLLEGE OF ENGINEERING

Department of First Year

Even Semester- 2018-19

Add-on Course-Machine Learning-Deep Learning

Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Understanding the fundamentals of Image Processing, Data Science, Python for Machine Learning and artificial intelligence (AI).
CO2	Apply basic principles of Machine Learning in solutions that require problem solving, inference, perception, knowledge representation, and learning.
CO3	Analyzing basic machine learning algorithms.
CO4	Design solutions of real-world computational problems using ML and DL algorithms

Sr. No.	Particulars	Remark
1.	Year	1 ST Year
2.	Semester	II Semester
3.	No of Student Enrolled	120
4.	No of Student certified	117
5.	Overall remark by feedback	As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	Use of Projector should be done in this Machine Learning lab for better understanding of the commands of options of the software.



POORNIMA

COLLEGE OF ENGINEERING

Department of First Year

Odd Semester- 2018-19

Add-on Course-Skill development program in web development using JAVASCRIPT and REACTJS Summary Report

COURSE OUTCOMES: After successful completion of this course Students will be able to

S. No.	Course Outcomes
CO1	Understand the basic concepts of HTML, CSS and JavaScript.
CO2	Apply the concept of HTML, CSS, JavaScript for client-side scripts.
CO3	Analyze the significance of ReactJS client-side scripts.
CO4	Develop the Live Project using concept of JavaScript and ReactJS.

Sr. No.	Particulars	Remark
1.	Year	I Year
2.	Semester	I Semester
3.	No of Student Enrolled	110
4.	No of Student certified	107
5.	Overall remark by feedback	As per the feedback, study should be done by Projector & and more practice should be done on HTML usage for live projects. Overall objective of the course has been achieved by the feedback given by the participants
6.	Action to be taken for future batch	Use of Projector should be done in this web development lab for better understanding of the commands of options of the software.