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INSTITUTION'S INNOVATION COUNCIL

I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

SEMESTER BREAK : INTERNSHIP AT STARTUP

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To study the overall performance of the organization and its structure.	t helps to analyze and interact with various levels of management and departments.
Academic Year:	**Program driven by:**
2020-21	IIC Calendar Activity
Month:	**Program /Activity Name:**
December	Semester Break : Internship at startup
Program Type:	**Other:**
Field Visit	null
Program Theme:	**Other:**
Other	Internship at startup
Date & Duration (Days):	**External Participants, If any:**
11/06/2020-11/19/2020-13	null
Student Participants:	**Faculty Participants:**

35	4
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/4289-IC201810311.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/1452-IC201810311.jpg

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

MENTORSHIP SESSION FOR INNOVATORS (OR) STUDENT ENTREPRENEURS THROUGH EXPERTS AND (OR) INNOVATION AMBASSADORS/INNOVATION AGENT

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To motivate the students about the importance of entrepreneurs	Students learned about the entrepreneurship importance in the current and futuristic world
Academic Year:	**Program driven by:**
2020-21	IIC Calendar Activity
Month:	**Program /Activity Name:**
March	Mentorship Session for Innovators (or) Student Entrepreneurs through experts and (or) Innovation Ambassadors/Innovation Agent
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
Entrepreneurship	null
Date & Duration (Days):	**External Participants, If any:**

12/05/2020-12/05/2020-0	null
Student Participants:	**Faculty Participants:**
75	15
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/4842-IC201810311.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/7498-IC201810311.jpg

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

SESSION ON IDENTIFYING INTELLECTUAL PROPERTY COMPONENT AT THE EARLY STAGE OF INNOVATION

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To protect a new technology, product or service	Learned about the trademark, copyright and trade secrets
Academic Year:	**Program driven by:**
2020-21	IIC Calendar Activity
Month:	**Program /Activity Name:**
December	Session on identifying Intellectual Property component at the early stage of Innovation
Program Type:	**Other:**
Workshop	NA
Program Theme:	**Other:**
IPR	NA
Date & Duration (Days):	**External Participants, If any:**
12/16/2020-12/16/2020-0	null

Student Participants:	Faculty Participants:
45	5
Expenditure Amount, If any:	Remark:
null	NA

ATTACHMENTS

Video:	NA
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/2629-IC201810311.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/7687-IC201810311.jpg

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

WORKSHOP ON DESIGN THINKING, CRITICAL THINKING AND INNOVATION DESIGN

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To explain the relationship between creativity, problem solving, and product performance	Learners can understand the psychological principles of problem solving, critical thinking and creativity.
Academic Year:	**Program driven by:**
2020-21	IIC Calendar Activity
Month:	**Program /Activity Name:**
December	Workshop on Design Thinking, Critical thinking and Innovation Design
Program Type:	**Other:**
Workshop	NA
Program Theme:	**Other:**
Innovation	NA
Date & Duration (Days):	**External Participants, If any:**
12/21/2020-12/21/2020-0	null

Student Participants:	Faculty Participants:
100	8
Expenditure Amount, If any:	**Remark:**
null	NA

ATTACHMENTS

Video:	NA
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/2474-IC201810311.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/2975-IC201810311.jpg

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ARDUINO PROGRAMMING USING TINKERCAD

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To innovate a new design and simulate the circuits virtually using TinkerCAD	Students can design and simulate a new circuits in the Arduino using Tinkercad
Academic Year:	**Program driven by:**
2020-21	Self-driven Activity
Month:	**Program /Activity Name:**
February	Arduino Programming Using TINKERCAD
Program Type:	**Other:**
Workshop	NA
Program Theme:	**Other:**
Design Thinking & Critical Thinking	NA
Date & Duration (Days):	**External Participants, If any:**
02/20/2021-02/20/2021-0	null
Student Participants:	**Faculty Participants:**

26	2
Expenditure Amount, If any:	**Remark:**
null	NA

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

PRINTED CIRCUIT BOARD ASSEMBLY PROCESS

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To discuss about the Printed Circuit Board, components and to deliver the assembly process of PCB.	Students should be able to carryout any PCB design necessary for their graduation projects.
Academic Year:	**Program driven by:**
2020-21	Self-driven Activity
Month:	**Program /Activity Name:**
February	Printed Circuit Board Assembly Process
Program Type:	**Other:**
Other	Guest Lecture
Program Theme:	**Other:**
R&D and Innovation	NA
Date & Duration (Days):	**External Participants, If any:**
02/28/2021-02/28/2021-0	null

Student Participants:	Faculty Participants:
55	2
Expenditure Amount, If any:	Remark:
null	NA

ATTACHMENTS

Video:	NA
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/5618-IC201810311.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/6430-IC201810311.pdf

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

APPLICATION OF GIS IN CIVIL ENGINEERING USING ARCGIS

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To familiarize the students with the basic concepts and the applications of geographical information	Using Google Earth Pro, Participants can able to generate or prepare Land-use Land-cover Map. Scholars gained wide knowledge on using ArcGIS software
Academic Year:	**Program driven by:**
2020-21	Self-driven Activity
Month:	**Program /Activity Name:**
February	Application of GIS in Civil Engineering using ArcGIS
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
R&D and Innovation	NA
Date & Duration (Days):	**External Participants, If any:**

02/20/2021-02/20/2021-0	null
Student Participants:	**Faculty Participants:**
30	2
Expenditure Amount, If any:	**Remark:**
null	null

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/6697-IC201810311.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/4937-IC201810311.pdf

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NETWORK SIMULATOR 2

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To know about the simulation of wired and wireless networks using NS2	Students can learn the wired and wireless network simulation using NS2
Academic Year:	**Program driven by:**
2020-21	Self-driven Activity
Month:	**Program /Activity Name:**
February	Network Simulator 2
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
Design Thinking & Critical Thinking	NA
Date & Duration (Days):	**External Participants, If any:**
02/27/2021-02/27/2021-0	null
Student Participants:	**Faculty Participants:**

| 55 | 3 |

Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
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Photograph2:	/uploads/institutes/monthlyReport/Photograph2/7444-IC201810311.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/2223-IC201810311.pdf

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

INDUSTRY 4.0 USING ARDUINO

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To create a new learning package and innovate new products	Students can learn the Arduino and develop a new prototype model for industries.
Academic Year:	**Program driven by:**
2020-21	Self-driven Activity
Month:	**Program /Activity Name:**
February	INDUSTRY 4.0 USING ARDUINO
Program Type:	**Other:**
Workshop	NA
Program Theme:	**Other:**
R&D and Innovation	NA
Date & Duration (Days):	**External Participants, If any:**
02/20/2021-02/20/2021-0	null
Student Participants:	**Faculty Participants:**

60	2
Expenditure Amount, If any:	**Remark:**
null	NA

ATTACHMENTS

Video:	NA
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/5809-IC201810311.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/7873-IC201810311.pdf

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

APPLICATION DEVELOPMENT USING IBM WATSON

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To create a new application development using IBM cloud.	Students can able to develop a new application using IBM cloud.
Academic Year:	**Program driven by:**
2020-21	Self-driven Activity
Month:	**Program /Activity Name:**
February	APPLICATION DEVELOPMENT USING IBM WATSON
Program Type:	**Other:**
Workshop	NA
Program Theme:	**Other:**
R&D and Innovation	NA
Date & Duration (Days):	**External Participants, If any:**
02/20/2021-02/20/2021-0	null

Student Participants:	Faculty Participants:
195	2
Expenditure Amount, If any:	**Remark:**
null	NA

ATTACHMENTS

Video:	NA
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/3674-IC201810311.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/7786-IC201810311.pdf

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

BUSINESS PLAN/PROTOTYPE COMPETITION TO INVITE INNOVATIVE BUSINESS MODELS FROM STUDENTS

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To provide a platform to know about the business plan	Students can able to gain knowledge about the business plan and they implement it in their future if they are interested to start a company.
Academic Year:	**Program driven by:**
2020-21	IIC Calendar Activity
Month:	**Program /Activity Name:**
March	Business Plan/Prototype Competition to Invite Innovative Business Models from Students
Program Type:	**Other:**
Other	Prototype Competition
Program Theme:	**Other:**
R&D and Innovation	NA
Date & Duration (Days):	**External Participants, If any:**

03/13/2021-03/13/2021-0	null
Student Participants:	**Faculty Participants:**
33	8
Expenditure Amount, If any:	**Remark:**
null	NA

ATTACHMENTS

Video:	NA
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/9629-IC201810311.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/8073-IC201810311.pdf

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

BUSINESS PLAN/PROTOTYPE COMPETITION TO INVITE INNOVATIVE BUSINESS MODELS FROM STUDENTS

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To provide a platform to know about the business plan	Students can able to gain knowledge about the business plan and they implement it in their future if they are interested to start a company.
Academic Year:	**Program driven by:**
2020-21	IIC Calendar Activity
Month:	**Program /Activity Name:**
March	Business Plan/Prototype Competition to Invite Innovative Business Models from Students
Program Type:	**Other:**
Other	Prototype Competition
Program Theme:	**Other:**
R&D and Innovation	NA
Date & Duration (Days):	**External Participants, If any:**

03/13/2021-03/13/2021-0	null
Student Participants:	**Faculty Participants:**
33	8
Expenditure Amount, If any:	**Remark:**
null	NA

ATTACHMENTS

Video:	NA
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/9629-IC201810311.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/8073-IC201810311.pdf

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

WORKSHOP ON PROTOTYPE/PROCESS DESIGN AND DEVELOPMENT - PROTOTYPING

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To provide innovative solutions to challenges and problems in real life.	Students can able to gain knowledge about the hardware components and design a prototype to have solutions for problems in daily life.
Academic Year:	**Program driven by:**
2020-21	IIC Calendar Activity
Month:	**Program /Activity Name:**
March	Workshop on Prototype/Process Design and Development - Prototyping
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
R&D and Innovation	NA
Date & Duration (Days):	**External Participants, If any:**
03/10/2021-03/10/2021-0	null

Student Participants:	Faculty Participants:
66	35
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/5496-IC201810311.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/4037-IC201810311.pdf

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

SESSION/ WORKSHOP ON BUSINESS MODEL CANVAS (BMC)

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To analyze innovative business ideas among the students in order to execute the best business model.	Propose the best innovative business model in order to generate more revenue for the development of the economy.
Academic Year:	**Program driven by:**
2020-21	IIC Calendar Activity
Month:	**Program /Activity Name:**
March	Session/ Workshop on Business Model Canvas (BMC)
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
Startup	NA
Date & Duration (Days):	**External Participants, If any:**
03/25/2021-03/25/2021-0	null

Student Participants:	Faculty Participants:
36	4
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/9862-IC201810311.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/8882-IC201810311.pdf

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

SESSION ON WHY IP IS IMPORTANT IN ACADEMIA?

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To gain greater awareness and knowledge of the various issues involved with IP	Promotion of innovation and investment, efficient use of resources, economic benefits to meet social needs and appropriately reward researchers
Academic Year:	**Program driven by:**
2020-21	MIC driven Activity
Month:	**Program /Activity Name:**
April	Session on Why IP is important in academia?
Program Type:	**Other:**
Other	Intellectual Property
Program Theme:	**Other:**
IPR	NA
Date & Duration (Days):	**External Participants, If any:**
04/26/2021-04/26/2021-0	null

Student Participants:	Faculty Participants:
94	16
Expenditure Amount, If any:	**Remark:**
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ATTACHMENTS

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Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/5311-IC201810311.jpeg

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

NATIONAL WEBINAR ON RESEARCH, INNOVATION AND RANKING

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To learn the innovation building strategy for HEI	Learned about the building innovation and Entreprenurial ecosystem and strategy for HEI
Academic Year:	**Program driven by:**
2020-21	MIC driven Activity
Month:	**Program /Activity Name:**
August	National Webinar on Research, Innovation and Ranking
Program Type:	**Other:**
Other	Webinar
Program Theme:	**Other:**
R&D and Innovation	NA
Date & Duration (Days):	**External Participants, If any:**
08/11/2021-08/11/2021-0	null

Student Participants:	Faculty Participants:
20	20
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

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Photograph2:	/uploads/institutes/monthlyReport/Photograph2/3798-IC201810311.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/1448-IC201810311.pdf

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

IIC ANNUAL REPORT

OVERVIEW

Objective:	Benefit in terms of learning/Skill/Knowledge obtained:
NA	NA
Academic Year:	**Program driven by:**
2020-21	MIC driven Activity
Month:	**Program /Activity Name:**
August	IIC Annual Report
Program Type:	**Other:**
Annual Report	NA
Program Theme:	**Other:**
Innovation	NA
Date & Duration (Days):	**External Participants, If any:**
2021-08-13-2021-08-31-	NA
Student Participants:	**Faculty Participants:**

0	0
Expenditure Amount, If any:	**Remark:**
NA	NA
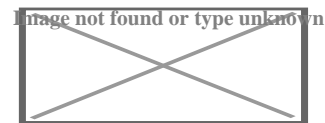
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Photograph2:	NA
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA

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I.F.E.T. COLLEGE OF ENGINEERING , VILLUPURAM (IC201810311)

MY STORY - MOTIVATIONAL SESSION BY SUCCESSFUL ENTREPRENEUR/STARTUP FOUNDER.

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To explain the students about the recent industry market and the level of industry in future	Learned about the transformation enablers in an industry and to become an entrepreneur
Academic Year:	**Program driven by:**
2020-21	IIC Calendar Activity
Month:	**Program /Activity Name:**
September	My Story - Motivational Session by Successful Entrepreneur/Startup founder.
Program Type:	**Other:**
Motivation Speech	null
Program Theme:	**Other:**
Startup	null
Date & Duration (Days):	**External Participants, If any:**
10/21/2020-12/21/2020-61	null

Student Participants:	Faculty Participants:
240	15
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

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Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/3788-IC201810311.pdf

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