MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

WORKSHOP ON PROTOTYPE/PROCESS DESIGN AND DEVELOPMENT - PROTOTYPING

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students to convert novel ideas of prototypes into projects design & development	The listeners learned about designing & development of prototypes/process
Academic Year:	**Program driven by:**
2021-22	IIC Calendar Activity
Month:	**Program /Activity Name:**
November	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:**
04/29/2022-04/29/2022-0	null

Student Participants:	Faculty Participants:
52	12
Expenditure Amount, If any:	**Remark:**
null	NA

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/3183-IC202013060.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/7085-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

SESSION ON "HOW TO PLAN FOR START-UP AND LEGAL & ETHICAL STEPS"

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students about startup & its procedure including all legal & ethical steps	The listeners learned the process legal & ethical steps for startup
Academic Year:	**Program driven by:**
2021-22	IIC Calendar Activity
Month:	**Program /Activity Name:**
November	Session on "How to plan for Start-up and legal & Ethical Steps"
Program Type:	**Other:**
Leadership Talk	null
Program Theme:	**Other:**
Startup	NA
Date & Duration (Days):	**External Participants, If any:**
09/19/2022-09/19/2022-0	null

Student Participants:	Faculty Participants:
188	26
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/2307-IC202013060.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/6954-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS (IPRS) AND IP MANAGEMENT FOR START UP

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students to convert novel ideas of projects into projects and then in business	The listeners learned the process of patent and patent filing process
Academic Year:	**Program driven by:**
2021-22	IIC Calendar Activity
Month:	**Program /Activity Name:**
November	Workshop on Intellectual Property Rights (IPRs) and IP management for start up
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
IPR	NA
Date & Duration (Days):	**External Participants, If any:**
08/04/2022-08/04/2022-0	null

Student Participants:	Faculty Participants:
252	12
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/4709-IC202013060.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/3899-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

DEMO DAY/EXHIBITION/POSTER PRESENTATION OF BUSINESS PLAN/PROTOTYPE DEVELOPED & LINKAGE WITH INNOVATION AMBASSADORS FOR MENTORSHIP SUPPORT.

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students to convert novel ideas of projects into projects and then in business	The listeners learned the process of patent and patent filing process
Academic Year:	**Program driven by:**
2021-22	IIC Calendar Activity
Month:	**Program /Activity Name:**
November	Demo Day/Exhibition/Poster Presentation of Business Plan/Prototype developed & linkage with Innovation Ambassadors for mentorship support.
Program Type:	**Other:**
Exhibition/Demo Day	null
Program Theme:	**Other:**
IPR	NA

Date & Duration (Days):	External Participants, If any:
04/29/2022-04/29/2022-0	null
Student Participants:	**Faculty Participants:**
155	54
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/3501-IC202013060.JPG
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/4470-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

DEVELOPING ONLINE REPOSITORY OF BUSINESS PLAN/PROTOTYPES DEVELOPED AND WAY FORWARD PLAN

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students to convert novel ideas of business plan/ prototypes into actual existence	The listeners learned about development of business plan/prototypes
Academic Year:	**Program driven by:**
2021-22	IIC Calendar Activity
Month:	**Program /Activity Name:**
November	Developing Online Repository of Business Plan/Prototypes Developed and Way forward plan
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
Startup	NA
Date & Duration (Days):	**External Participants, If any:**
08/29/2022-08/29/2022-0	null

Student Participants:	Faculty Participants:
36	6
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/2477-IC202013060.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/3048-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY
WORLD EARTH DAY

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage and spread awareness to the students and faculty about the importance and effect of	Mother nature has given us everything we needed to live a comfortable and tranquil life. It is our duty to pay back nature by preserving it
Academic Year:	**Program driven by:**
2021-22	Celebrations
Month:	**Program /Activity Name:**
May	World Earth Day
Program Type:	**Other:**
Leadership Talk	null
Program Theme:	**Other:**
Design Thinking & Critical Thinking	NA
Date & Duration (Days):	**External Participants, If any:**
04/22/2022-04/22/2022-0	170

Student Participants:	Faculty Participants:
150	20
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/3614-IC202013060.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/3377-IC202013060.png

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

WORLD INTELLECTUAL PROPERTY DAY

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students to present novel ideas of projects for helping in startups with mentor	The listeners learned the startup linkages with innovation ambassadors for mentorship support
Academic Year:	**Program driven by:**
2021-22	Celebrations
Month:	**Program /Activity Name:**
April	World Intellectual Property Day
Program Type:	**Other:**
Leadership Talk	null
Program Theme:	**Other:**
Startup	NA
Date & Duration (Days):	**External Participants, If any:**
08/05/2022-08/05/2022-0	11
Student Participants:	**Faculty Participants:**

144	12
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/7140-IC202013060.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/7059-IC202013060.jpg

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

NATIONAL TECHNOLOGY DAY

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students to ideate and innovate new ideas and develop an prototype model	The listeners learned the steps in IPR filing and management.
Academic Year:	**Program driven by:**
2021-22	Celebrations
Month:	**Program /Activity Name:**
May	National Technology Day
Program Type:	**Other:**
Contest	null
Program Theme:	**Other:**
Design Thinking & Critical Thinking	NA
Date & Duration (Days):	**External Participants, If any:**
02/22/2022-02/22/2022-0	80
Student Participants:	**Faculty Participants:**

60	35

Expenditure Amount, If any:	**Remark:**
3215	Students understood design thinking , model making , prototype modelling and market fit requirements.

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/6422-IC202013060.png
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/3990-IC202013060.jpg

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

TWO DAYS EDUCATIONAL TRAINING CONFERENCE & EXHIBITION ON "CHALLENGES AND OPPORTUNITIES IN DIGITAL DIRECT MANUFACTURING : ADDITIVE MANUFACTURING / 3D PRINTING & WELDING 4.0 "

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage students about advanced manufacturing processes like 3D printing and welding 4.0	Students learned about additive manufacturing, 3D printing, welding advancement and Industry 4.0
Academic Year:	**Program driven by:**
2021-22	Self-driven Activity
Month:	**Program /Activity Name:**
April	TWO DAYS EDUCATIONAL TRAINING CONFERENCE & EXHIBITION On "CHALLENGES AND OPPORTUNITIES IN DIGITAL DIRECT MANUFACTURING : ADDITIVE MANUFACTURING / 3D PRINTING & WELDING 4.0 "
Program Type:	**Other:**
Conference	NA

Program Theme:	**Other:**
Entrepreneurship	NA
Date & Duration (Days):	**External Participants, If any:**
04/29/2022-04/30/2022-1	12
Student Participants:	**Faculty Participants:**
52	21
Expenditure Amount, If any:	**Remark:**
30000	NA

ATTACHMENTS

Video:	NA
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/7107-IC202013060.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/5192-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

INSIGHTS OF DATA SCIENCE AND MACHINE LEARNING WITH ITS APPLICATIONS

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the and students to learn and manufacture industrial PCB prototype.	The listeners learned the about industrial PCB prototypes.
Academic Year:	**Program driven by:**
2021-22	Self-driven Activity
Month:	**Program /Activity Name:**
July	Insights of Data Science and machine learning with its applications
Program Type:	**Other:**
Conference	null
Program Theme:	**Other:**
Entrepreneurship	NA
Date & Duration (Days):	**External Participants, If any:**
07/04/2022-07/09/2022-5	5

Student Participants:	Faculty Participants:
55	12
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/4365-IC202013060.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/9081-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

"HANDS-ON TRAINING ON INTERNET OF THINGS (IOT) USING ARDUINO: TOOLS AND TECHNIQUES"

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students to learn about Arduino and its use in IPT for projects	The listeners learned the Arduino and their types and uses
Academic Year:	**Program driven by:**
2021-22	Self-driven Activity
Month:	**Program /Activity Name:**
March	"Hands-on Training on Internet of Things (IOT) using Arduino: Tools and Techniques"
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
Entrepreneurship	NA
Date & Duration (Days):	**External Participants, If any:**
03/29/2022-03/29/2022-0	null

Student Participants:	Faculty Participants:
40	6
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/6152-IC202013060.PNG
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/7243-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

WEBINAR ON "WIDE AREA MEASUREMENT SYSTEM (WAMS) IN POWER SYSTEMS USING PMUS "

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students to learn about WAMS usage in power system	The listeners learned the WAMS in power systems in PMUs
Academic Year:	**Program driven by:**
2021-22	Self-driven Activity
Month:	**Program /Activity Name:**
October	Webinar on "Wide Area Measurement System (WAMS) in Power Systems using PMUs "
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
R&D and Innovation	NA
Date & Duration (Days):	**External Participants, If any:**
10/16/2021-10/16/2021-0	null

Student Participants:	Faculty Participants:
44	7
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/4324-IC202013060.PNG
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/4128-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

WORKSHOP TO DEVELOP ENTREPRENEUAL SKILLS IN 3D PRINTING TECHNOLOGY

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage students about advanced manufacturing processes like 3D printing and welding 4.0	Students learned about additive manufacturing, 3D printing, welding advancement and Industry 4.0
Academic Year:	**Program driven by:**
2021-22	Self-driven Activity
Month:	**Program /Activity Name:**
April	Workshop to develop entrepreneual skills in 3D printing technology
Program Type:	**Other:**
Workshop	null
Program Theme:	**Other:**
Entrepreneurship	NA
Date & Duration (Days):	**External Participants, If any:**
04/29/2022-04/30/2022-1	null

Student Participants:	Faculty Participants:
25	4
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/1587-IC202013060.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/2867-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

APPLICATIONS OF DATA SCIENCE AND MACHINE LEARNING

OVERVIEW	
Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the and students to learn and manufacture industrial PCB prototype	The listeners learned the about industrial PCB prototypes
Academic Year:	**Program driven by:**
2021-22	Self-driven Activity
Month:	**Program /Activity Name:**
July	Applications of Data Science and machine learning
Program Type:	**Other:**
Seminar/Case Studies	null
Program Theme:	**Other:**
Design Thinking & Critical Thinking	NA
Date & Duration (Days):	**External Participants, If any:**
07/04/2022-07/09/2022-5	null

Student Participants:	Faculty Participants:
42	8
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/7831-IC202013060.PNG
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/9172-IC202013060.pdf

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MAHATMA EDUCATION SOCIETYS PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

WIDE AREA MEASUREMENT SYSTEM (WAMS) IN POWER SYSTEMS USING PMUS-MOTIVATION SPEECH

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To encourage the students to learn about WAMS usage in power system	The listeners learned the WAMS in power systems in PMUs
Academic Year:	**Program driven by:**
2021-22	Self-driven Activity
Month:	**Program /Activity Name:**
August	Wide Area Measurement System (WAMS) in Power Systems using PMUs- motivation speech
Program Type:	**Other:**
Seminar/Case Studies	null
Program Theme:	**Other:**
Entrepreneurship	NA
Date & Duration (Days):	**External Participants, If any:**
08/16/2022-08/16/2022-0	null

Student Participants:	Faculty Participants:
40	6
Expenditure Amount, If any:	**Remark:**
null	null

ATTACHMENTS

Video:	null
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/3502-IC202013060.PNG
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/9841-IC202013060.pdf

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