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INSTITUTE OF SCIENCE & TECHNOLOGY
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think • innovate • transform

Criterion 1 – Curricular Aspects

Key Indicator	1.3	Curriculum Enrichment
Metric	1.3.4	Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year)

B.TECH. AEROSPACE ENGINEERING

S.No	Description
1.	List of students undertaking the field projects/ research projects / internship program-wise in the last completed academic year along with the details of title, place of work etc.
2.	<ul style="list-style-type: none"> • Internship / research projects completion certificate from the organization where internship / research projects was completed along with the duration. and • Report of the field visit / sample photographs of the field visit / permission letter from the competent authority will be considered

Summary

Field / Research Project	Internship / IPT	Field / Industrial visit	Total
22	35	-	57

b. Research projects

S.No	Reg No	Student Name	Batch	Year	Title of the project	Internal or External
1	117012016188	Ajay A	2017-21	IV	Experimentation of channel wing with COANDA effect on RC-Plane	Internal
2	117012016189	Andrew B	2017-21	IV	Experimentation of channel wing with COANDA effect on RC-Plane	Internal
3	117012016190	Daulat Mahto	2017-21	IV	Performance analysis and demonstration of mono propellant Hydroxyl Ammonium Nitrate in space flight	Internal
4	117012016191	Gokul P	2017-21	IV	Remote sensing embedded in autonomous unmanned aerial vehicle	Internal
5	117011016192	Jansirani S	2017-21	IV	Remote sensing embedded in autonomous unmanned aerial vehicle	Internal
6	117011016193	Karthiga S	2017-21	IV	KRITI-The Cube Satellite	External
7	117011016194	Manjubashini T	2017-21	IV	Experimental analysis of friction welding For similar metal AA7075	External
8	117012016196	Nagulan S	2017-21	IV	Design and fabrication of	Internal

					covert under water launch vehicle for UAV during surveillance	
9	117012016198	Pathan Khalid Khan	2017-21	IV	Performance analysis and demonstration of mono propellant Hydroxyl Ammonium Nitrate in space flight	Internal
10	117012016197	Nijas S	2017-21	IV	Remote sensing embedded in autonomous unmanned aerial vehicle	Internal
11	117011016199	Poojasri K	2017-21	IV	Design and analysis of Martian helicopter drone	External
12	117012016200	Pradeepkannan A	2017-21	IV	Design and fabrication of covert under water launch vehicle for UAV during surveillance	Internal
13	117012016201	Prasanth M	2017-21	IV	Investigation of flow properties over various models using flow visualization methods	Internal
14	117012016202	Praveen M	2017-21	IV	Performance analysis and demonstration of mono propellant Hydroxyl Ammonium Nitrate in space flight	Internal
15	117012016203	Ragunath K	2017-21	IV	Investigation of flow properties over various models using flow visualization methods	Internal
16	117012016204	RudhraSekar S	2017-21	IV	KRITI-The Cube Satellite	External

17	117011016205	Subha Laxmi Dash.R	2017-21	IV	Experimental analysis of friction welding For similar metal AA7075	External
18	117011016206	Sumaiya Begam A	2017-21	IV	Experimental analysis of friction welding For similar metal AA7075	External
19	117012016207	Tharun Pranav G R	2017-21	IV	Design and fabrication of covert under water launch vehicle for UAV during surveillance	Internal
20	117012016208	Vignesh S	2017-21	IV	KRITI-The Cube Satellite	External
21	118012066009	Danie Abraham.A	2017-21	IV	Experimentation of channel wing with COANDA effect on RC-Plane	Internal
22	118012066010	Ragul.S	2017-21	IV	Investigation of flow properties over various models using flow visualization methods	Internal

b.In-Plant Training (IPT)

S.No	Reg No	Student Name	Batch	Year	Internship host organization	Duration in days
1	119011016222	Abirami R	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
2	119012016223	Anandharaj K	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
3	119012016224	Anbukarthik S	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
4	119012016225	Aravindhan D	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
5	119012016226	Arish M	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
6	119012016227	Deebanraj M	2019-2023	II	Sri Design CAD	15

					Technologies Solutions pvt.ltd.	
7	119011016228	Elavarasi M	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
8	119012016229	Gokulraj M	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
9	119011016230	Manisha C	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
10	119012016231	Mohamed Fazil M	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
11	119012016232	Muthu Nivash L	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
12	119012016233	Nivedhan P	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
13	119011016234	Priyadharshini M	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
14	119012016235	Purusothaman J	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
15	119011016236	Subhiksha V	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
16	119011016237	Vighaomnica S A	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
17	119012016238	Vignesh R	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
18	119012016239	Vijay Bhaskar Reddy M	2019-2023	II	Intershala Trainings	15
19	119011016240	Vinisha V	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
20	119012016241	Yukesh Mani K G	2019-2023	II	Sri Design CAD Technologies Solutions pvt.ltd.	15
21	118012016209	Aditya S	2018-2022	III	Machine Learning using Python	21
22	118012016210	Amudhan S	2018-2022	III	Advance Drone Development	21
23	118012016211	Asmanudeen A	2018-2022	III	Machine Learning using	21

					Python	
24	118012016212	Harsha Varthan S	2018-2022	III	Advance Drone Development	21
25	118011016213	Keerthi Priya K V	2018-2022	III	Advance Drone Development	21
26	118011016214	Kirubadharsini S	2018-2022	III	Machine Learning using Python	21
27	118012016215	Manokaran R	2018-2022	III	Drone Development	21
28	118012016216	NithishSheak K	2018-2022	III	Thermal Power plant operation & Maintenance	21
29	118012016217	Pozhilan N	2018-2022	III	Machine Learning with Python	21
30	118012016218	Rishi Hasan	2018-2022	III	Machine Learning using Python	21
31	118012016219	Saumya G	2018-2022	III	Machine Learning using Python	21
32	118011016220	Vijaya Prakash M	2018-2022	III	Advance Drone Development	21
33	118011016221	Sonasri C	2018-2022	III	Machine Learning theory algorithms by cambridge	21
34	119012066011	Jayakumar Bharathi U	2018-2022	III	Drone Development	21
35	119012066012	Santosh Vigneshwar R	2018-2022	III	Machine Learning using Python	21

Department Aerospace Engineering
IPT Certificate Details- Academic Year 2020-21 – Batch- 2019-23

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This is to certify that Mrs. **R ABIRAMI** Has done his internship in **SRI DESIGN CAD TECHNOLOGIES SOLUTIONS PVT LTD, CHENNAI**. From 03rd June 2020 to 25th June 2020.

He has trained on **Design Software – CATIA V5**. He designed various Mechanical components, mailers by understanding the design briefs and promo specifications.

During the internship he demonstrated good design skills with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the Training successfully on time.

We wish him all the best for his future endeavors.

Warm regards,

SURESH.R
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Director



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INTERNSHALA TRAININGS

Certificate of Training

M Vijay Bhaskar Reddy

from PMIST has successfully completed a eight weeks online training on **Ethical Hacking** from 12th May, 2020 to 7th July, 2020. In the training, M Vijay learned Basics of Information Security, Computer Networking and Web Development, Information Gathering and VAPT of some important vulnerabilities in the OWASP Top 10, Automating VAPT, and Documenting and Reporting Vulnerabilities. In the final assessment, M Vijay scored 68% marks. We wish M Vijay all the best for the future.

Suresh Agrawal
Founder & CEO, Internshala

Date of certification: 2020-07-19

Certificate No.: 41222343-3944-ET5-34CF-689F3801E16

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

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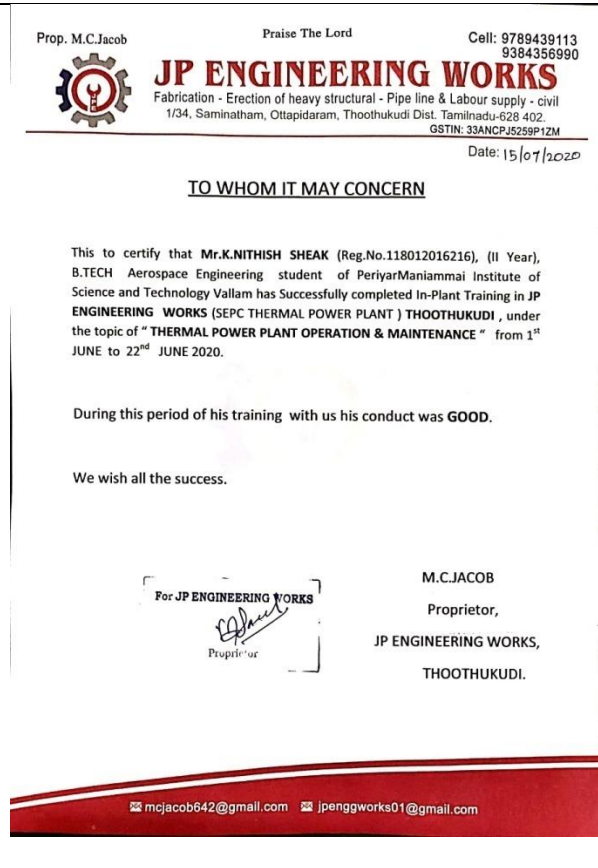
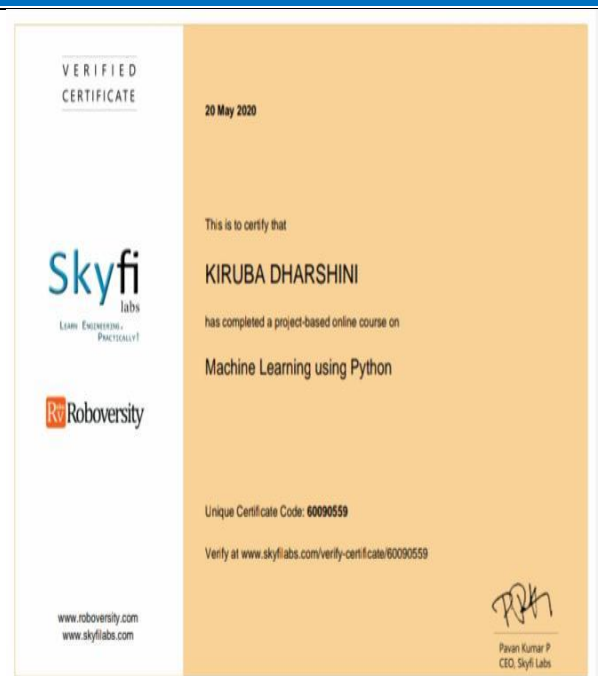


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Department Aerospace Engineering
IPT Certificate Details- Academic Year 2020-21 – Batch- 2018-22

<p>VERIFIED CERTIFICATE</p> <p>21 May 2020</p> <p>This is to certify that</p> <p>ADITYA SACHIDANANDHAM</p> <p>has completed a project-based online course on</p> <p>Machine Learning using Python</p> <p>Unique Certificate Code: 60090570</p> <p>Verify at www.skyfi labs.com/verify-certificate/60090570</p> <p> Pavan Kumar P CEO, Skyfi Labs</p> <p> LEARN ENGINEERING, PRACTICALLY!</p> <p> www.roboversity.com www.skyfi labs.com</p>	<p></p> <p>Ref.No: DA/INT/2302/2020 DATE: June 22, 2020</p> <p><u>TO WHOM IT MAY CONCERN</u></p> <p>This is to certify that Mr.S.AMUDHAN (Reg.No.118012016210), (II Year), B-TECH Aerospace Engineering student of Periyar Maniammai Institute of Science and Technology, Vallam, has successfully completed In-plant Training in DRONERA THE INDIGENES, THANJAVUR under the topic "ADVANCE DRONE DEVELOPMENT" from 1st June to 21st June 2020.</p> <p>During this period of her training with us her conduct was GOOD.</p> <p>We wish all the success.</p> <p> R.BHARATHPRABHU Director Department of Education & Training Development Drone Labs (Unit of Dronera The Indigenes)</p> <p></p> <p></p> <p>DRONERA THE INDIGENES #106, Periyar Technology Business Incubator, vallam , Thanjavur, Tamil Nadu-613 403. +91- 99769 72777 info@dronera.in www.dronera.in</p>
<p>VERIFIED CERTIFICATE</p> <p>05 June 2020</p> <p>This is to certify that</p> <p>ASMANUDEEN ABDUL SALAM</p> <p>has completed a project-based online course on</p> <p>Machine Learning using Python</p> <p>Unique Certificate Code: 60091049</p> <p>Verify at www.skyfi labs.com/verify-certificate/60091049</p> <p> Pavan Kumar P CEO, Skyfi Labs</p> <p> LEARN ENGINEERING, PRACTICALLY!</p> <p> www.roboversity.com www.skyfi labs.com</p>	<p></p> <p>Ref.No: DA/INT/2303/2020 DATE: June 22, 2020</p> <p><u>TO WHOM IT MAY CONCERN</u></p> <p>This is to certify that Mr.K.S.HARSHA VARDHAN (Reg.No.118012016212), (II Year), B-TECH Aerospace Engineering student of Periyar Maniammai Institute of Science and Technology, Vallam, has successfully completed In-plant Training in DRONERA THE INDIGENES, THANJAVUR under the topic "ADVANCE DRONE DEVELOPMENT" from 1st June to 21st June 2020.</p> <p>During this period of her training with us her conduct was GOOD.</p> <p>We wish all the success.</p> <p> R.BHARATHPRABHU Director Department of Education & Training Development Drone Labs (Unit of Dronera The Indigenes)</p> <p></p> <p></p> <p>DRONERA THE INDIGENES #106, Periyar Technology Business Incubator, vallam , Thanjavur, Tamil Nadu-613 403. +91- 99769 72777 info@dronera.in www.dronera.in</p>





This is to certify that

Pozhilan N

successfully completed and
received a passing grade in

Machine Learning with Python

(MLO101ENV3, provided by Cognitive
Class)

A course on cognitiveclass.ai
Powered by IBM Developer Skills Network.

Issued by
Cognitive Class

Issued on:
June 4, 2020

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CERTIFICATE

17 May 2020

This is to certify that

RISHI KAMALAHASAN

has completed a project-based online course on
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Unique Certificate Code: 60090518

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This is to certify that

SAUMYA G

has completed a project-based online course on
Machine Learning using Python

Unique Certificate Code: 60090501

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Pavan Kumar P
CEO, Skyfi Labs



Ref.No: DA/INT/2304/2020

DATE: June 22, 2020

TO WHOM IT MAY CONCERN

This is to certify that **Mr.M.VIJAYA PRAKASH** (Reg.No.118012016220), (II Year), B.TECH Aerospace Engineering student of Periyar Maniammai Institute of Science and Technology, Vallam has successfully completed In-plant Training in **DRONERA THE INDIGENES, THANJAVUR** under the topic "ADVANCE DRONE DEVELOPMENT" from 1st June to 21st June 2020.

During this period of her training with us her conduct was **GOOD**.

We wish all the success.

R. Bharath Prabh
R.BHARATHPRABH

Director
Department of Education & Training Development
Drone Labs (Unit of Dronera The Indigenes)

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Department Aerospace Engineering
Research Project Certificate Details- Academic Year 2020-21 – Batch- 2017-21



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COMPLETION CERTIFICATE

This to certify that Mr/Ms. *Ajay A* completed his/her project titled as "*Experimentation of channel wing with CO/NDVI effect on RC-Plane*" during the even semester of academic year 2020-21 as a partial requirement of his/her degree programme.


 Project Co-Ordinator
(Mr.R.K.Muthuraman)


 Head/Aerospace
(Mr.R.K.Muthuraman)



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This to certify that Mr/Ms. *Andrew B* completed his/her project titled as "*Experimentation of channel wing with CO/NDVI effect on RC-Plane*" during the even semester of academic year 2020-21 as a partial requirement of his/her degree programme.


 Project Co-Ordinator
(Mr.R.K.Muthuraman)


 Head/Aerospace
(Mr.R.K.Muthuraman)



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This to certify that Mr/Ms. *Daulat Mahro* completed his/her project titled as "*Performance analysis and demonstration of mono propellant Hydroxyl Ammonium Nitrate in space flight*" during the even semester of academic year 2020-21 as a partial requirement of his/her degree programme.


 Project Co-Ordinator
(Mr.R.K.Muthuraman)


 Head/Aerospace
(Mr.R.K.Muthuraman)



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This to certify that Mr/Ms. *Gokul P* completed his/her project titled as "*Remote sensing embedded in autonomous unmanned aerial vehicle*" during the even semester of academic year 2020-21 as a partial requirement of his/her degree programme.


 Project Co-Ordinator
(Mr.R.K.Muthuraman)


 Head/Aerospace
(Mr.R.K.Muthuraman)



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This to certify that Mr/Ms. **Poojasri K** completed his/her project titled as "**Design and analysis of Martian helicopter drone**" during the even semester of academic year 2020-21 as a partial requirement of his/her degree programme.

Project Co-Ordinator
(Mr.R.K.Muthuraman)

Head/Aerospace
(Mr.R.K.Muthuraman)

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COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Pradeepkannan A** completed his/her project titled as "**Design and fabrication of covert under water launch vehicle for UAV during surveillance**" during the even semester of academic year 2020-21 as a partial requirement of his/her degree programme.

Project Co-Ordinator
(Mr.R.K.Muthuraman)

Head/Aerospace
(Mr.R.K.Muthuraman)

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COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Prasanth M** completed his/her project titled as "**Investigation of flow properties over various models using flow visualization methods**" during the even semester of academic year 2020-21 as a partial requirement of his/her degree programme.

Project Co-Ordinator
(Mr.R.K.Muthuraman)

Head/Aerospace
(Mr.R.K.Muthuraman)

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COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Praveen M** completed his/her project titled as "**Performance analysis and demonstration of mono propellant Hydroxyl Ammonium Nitrate in space flight**" during the even semester of academic year 2020-21 as a partial requirement of his/her degree programme.

Project Co-Ordinator
(Mr.R.K.Muthuraman)

Head/Aerospace
(Mr.R.K.Muthuraman)

COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Ragunath K** completed his/her project titled as
"Investigation of flow properties over various models using flow visualization methods" during
the even semester of academic year 2020-21 as a partial requirement of his/her degree
programme.


Project Co-Ordinator
(Mr.R.K.Muthuraman)


Head/Aerospace
(Mr.R.K.Muthuraman)

COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Rudhra Sekar S** completed his/her project titled as
"KRTM-The Cube Satellite" during the even semester of academic year 2020-21 as a partial
requirement of his/her degree programme.


Project Co-Ordinator
(Mr.R.K.Muthuraman)


Head/Aerospace
(Mr.R.K.Muthuraman)

COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Subha Laxmi Dash.R** completed his/her project titled as
"Experimental analysis of friction welding For similar metal AA7075" during the even semester
of academic year 2020-21 as a partial requirement of his/her degree programme.


Project Co-Ordinator
(Mr.R.K.Muthuraman)


Head/Aerospace
(Mr.R.K.Muthuraman)

COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Sumaiya Begam A** completed his/her project titled as
"Experimental analysis of friction welding For similar metal AA7075" during the even semester
of academic year 2020-21 as a partial requirement of his/her degree programme.


Project Co-Ordinator
(Mr.R.K.Muthuraman)


Head/Aerospace
(Mr.R.K.Muthuraman)

COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Tharun Pranav G R** completed his/her project titled as
"Design and fabrication of covert under water launch vehicle for UAV during surveillance"
during the even semester of academic year 2020-21 as a partial requirement of his/her
degree programme.



Project Co-Ordinator
(Mr.R.K.Muthuraman)


Head/Aerospace
(Mr.R.K.Muthuraman)

COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Vignesh S** completed his/her project titled as
"KRTM-The Cube Satellite" during the even semester of academic year 2020-21 as a partial
requirement of his/her degree programme.


Project Co-Ordinator
(Mr.R.K.Muthuraman)


Head/Aerospace
(Mr.R.K.Muthuraman)

COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Danie Abraham.A** completed his
"Experimentation of channel wing with COANDA effect on RC-Plane" during
of academic year 2020-21 as a partial requirement of his/her degree programme.


Project Co-Ordinator
(Mr.R.K.Muthuraman)

(M)

COMPLETION CERTIFICATE

This to certify that Mr/Ms. **Ragul.S** completed his/her
"Investigation of flow properties over various models using flow visualization"
the even semester of academic year 2020-21 as a partial requirement of his/her degree
programme.


Project Co-Ordinator
(Mr.R.K.Muthuraman)

(M)