



SHORT TERM COURSE ON
DEVELOPMENT OF



1 Weeks



Begins Dec 2020



INR 1500

Short Term Course

anurag.fet@ramauniversity.ac.in [Switch account](#)



* Required

Email *

Your email

Name of Student

Your answer

Course Name and Year

Your answer

Branch

Your answer

Roll No.

Your answer



[Request edit access](#)

Select more than two Short Term Course *

- Design thinking for new product development (18-24 Jan 2021)
- Triz Theory of Inventive Problem Solving (Dec 7-Jan 25)
- Development of delivery drones (Jan 25-Feb 28)
- Introduction of thermal energy storage for effective energy management (Jan 11-13 Feb)
- Advance Polymer Composite and nano composites (26 Dec 2020)
- Design Concept (21 Dec 2020)
- Basics of Supply Chain Management (Jan 18-31 2021)
- Other:

*Fee Receipt No. *

Your answer

Submit

Clear form

Never submit passwords through Google Forms.

This form was created outside of your domain. [Report Abuse](#) - [Terms of Service](#) - [Privacy Policy](#)

Google Forms

 Request edit access



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

Development of Delivery Drones

ABOUT COURSE - Duration: 4 Weeks

Registration Ends: 28, January, 2021

Course Starting Date: 1, Feb, 2021

Course Ending Date: 6th. March, 2021

Course Fees: 750

COURSE CONTENT -

- 1. Basic Fundamentals**
 - a. Define Basic terms and definitions
 - b. Introduction
- 2. Design concept**
 - a. Explain design
 - b. Development and construction
 - c. Control system design
- 3. Hardware implementation**
- 4. Fabrication and Assembling**
- 5. Testing**
- 6. Demonstration at suitable site selected at Campus.**

FACULTY- Mr. Anurag Kumar

Email- anurag.fet@ramauniversity.ac.in

LEARNING OUTCOMES -

- Understanding the basics of UAV
- Developed the knowledge in Electronics components as well as their uses to control mechanical devices
- Able to develop the knowledge in drone purposes
- Understand the Basics of drone flight analysis.

PROCESSES -

Offline/ Online

EMPLOYMENT OPPORTUNITY -

Drone design industries, Deliveries companies, defense industries, Entertainment industries etc.

SR	Email Address	Name of Student	Course Name and Year	Branch	Roll No.	Select more than two Short Term	*Fee Receipt No.
1	ritikmishra33403@gmail.com	Ritik Mishra	Diploma polytechnic 2nd year	Mechanical engineering		Development of delivery drones	RN/19-20/251184
2	pevankumar9026465933@gmail.com	Pavan kumar	Diploma. (2nd)	ME	1936735321022	Development of delivery drones	13665
3	saurabhverma209732@gmail.com	Saurabh verma	B.Tech 3rd	M.E	1801502005	Development of delivery drones	
4	raahulhaicoool786.rk@gmail.com	raahul	B.Tech 2nd year	Mechanical Engineering	32008	Development of delivery drones	
5	abhishekkumarballia@gmail.com	Abhishek Kumar Pandey	Btech 2nd year	Mechanical	RUM2015008	Development of delivery drones	23146
6	somuchaudhary75@gmail.com	Shubham Chaudhary	B.tech (2nd year)	Mechanical	RUM2015010	Development of delivery drones	23147
7	govindtiwari7497@gmail.com	Govind tiwari	Btech 2nd year	Mechanical	1901502004	Development of delivery drones	
8	starkkt541@gmail.com	AMIT VIKRAM SINGH	B.tech (me) 4th year	Mechanical engineering	1701502002	Development of delivery drones	170183
9	kumargaurav20798@gmail.com	Gaurav kumar	B.tech 2nd year	Mechanical engineering	1901502003	Development of delivery drones	RN/19-20/194227
10	11ayankhan11@gmail.com	Ayaan Khan	Diploma 3 rd year	Automobile	1904526205	Development of delivery drones	RN/18-19/176673
11	ashu46821@gmail.com	ASHUTOSH KUMAR	BTech 2nd year	Mechanical	1901502002	Development of delivery drones	23522

DEPARTMENT OF MECHANICAL ENGINEERING, FET OF MECHANICAL ENGINEERING, RAMA UNIVERSITY

RAMA UNIVERSITY

DEVELOPMENT OF DELIVERY DRONES (Short Term Course)

Conducted by : Anurag Kumar (Assistant Professor - Mechanical)

01/02/2021 - 06/03/2021

Time Table

S.No.	Date	Time	Topic
1	04/02/2021	10:00am - 12:00am	How to Develop Delivery Drone.
2	05/02/2021	10:00am - 12:00am	How Delivery Drone Work.
3	06/02/2021	10:00am - 12:00am	Evolution of Delivery Drones.
4	11/02/2021	10:00am - 12:00am	Advancements in Delivery Drone Technology.
5	12/02/2021	10:00am - 12:00am	Drone Delivery Innovations.
6	13/02/2021	10:00am - 12:00am	Delivery Drone Progress.
7	15/02/2021	10:00am - 12:00am	Delivery Drone Technological Progress.
8	16/02/2021	10:00am - 12:00am	Surveillance for Mining and Construction Activities, Cinematography, Delivering Packages.
9	17/02/2021	10:00am - 12:00am	Difference Between Basic Technologies Delivery Drones and Advance Technologies Delivery Drones.
10	18/02/2021	10:00am - 12:00am	Programming Technologies of Delivery Drones.
11	19/02/2021	10:00am - 12:00am	Importance of Safety Points of Developing Delivery Drones.
12	20/02/2021	10:00am - 12:00am	How to Manage the Delivery Drone Operations.
13	22/02/2021	10:00am - 12:00am	How to Develop the Smart and Low Cost Delivery Drones.
14	23/02/2021	10:00am - 12:00am	How Much Challenges of Delivery Drones.
15	24/02/2021	10:00am - 12:00am	How to Develop the Alternative and Scalable Delivery models.
16	26/02/2021	10:00am - 12:00am	Operational Constraints and Lower operational costs shorter delivery time and Lower operational

4/17/5/21



17	28/02/2021	10:00am - 12:00am	Upsurge in the Global demand for Drone Delivery Services.	Assurance in the Global demand for Drone Delivery Serv
18	04/03/2021	10:00am - 12:00am	Identifying Hotspots in fire situations.	Identifying hotspots in fire situations
19	06/03/2021	10:00am - 12:00am	Delivery Drone Development Overview.	



17/5/19

HOD
 Mechanical Engineering
 FET, Rama University
 Kanpur

Attendance Short Term Course /Value added courses
Mechanical Engineering Department, FET, Rama University
 Development of delivery drones

SR	NAME	BRANCH	ROLL IF ANY LECTURES	DATE				
				1	2	3	4	5
			DATE	04/02/2021	05/02/2021	06/02/2021	11/02/2021	12/02/2021
1	Ritik Mishra	Mechanical		Ritik	Ritik	Ritik	Ritik	Ritik
2	Pavan kumar	Mechanical	1936735321022	Pavan	Pavan	Pavan	Pavan	Pavan
3	Saurabh verma	Mechanical	1801502005	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh
4	Rahul	Mechanical	1901502008	Rahul	Rahul	Rahul	Rahul	Rahul
5	Abhishek Kumar Pandey	Mechanical	RUM2015008	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
6	Shubham Chaudhary	Mechanical	RUM2015010	Shubham	Shubham	Shubham	Shubham	Shubham
7	Govind tiwari	Mechanical	1901502004	Govind tiwari	Govind tiwari	Govind tiwari	Govind tiwari	Govind tiwari
8	AMIT VIKRAM SINGH	Mechanical	1701502002	A	A	A	A	A
9	Gaurav kumar	Mechanical	1901502003	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
10	Ayaan Khan	Automobile	1904526205	Hyqan Khan	Hyqan Khan	Hyqan Khan	Hyqan Khan	Hyqan Khan
11	ASHUTOSH KUMAR	Mechanical	1901502002	A. Kumar	A. Kumar	A. Kumar	A. Kumar	A. Kumar

Attendance Short Term Course / Value added courses
Mechanical Engineering Department, FET, Rama University
Development of delivery drones

SR	NAME	BRANCH	ROLL IF ANY	DATE				
				LECTURES DATE	1	2	3	4
1	Ritik Mishra	Mechanical	1936735321022	13/02/2021	15/02/2021	16/02/2021	17/02/2021	
2	Pavan kumar	Mechanical	1801502005	Pavan	Pavan	A	Ritik	
3	Saurabh verma	Mechanical	1901502008	Saurabh	Saurabh	Saurabh	Saurabh	
4	Rahul	Mechanical	RUM2015008	A	A	A	A	
5	Abhishek Kumar Pandey	Mechanical	RUM2015010	Abhishek	Abhishek	Abhishek	Abhishek	
6	Shubham Chaudhary	Mechanical	1901502004	Shubham	Shubham	Shubham	Shubham	
7	Govind tiwari	Mechanical	1701502002	Gowind tiwari	Gowind tiwari	Gowind tiwari	Gowind tiwari	
8	AMIT VIKRAM SINGH	Mechanical	1901502003	Amit	Amit	Amit	A	
9	Gaurav kumar	Mechanical	1904526205	Gaurav	Gaurav	Gaurav	Gaurav	
10	Ayaan Khan	Automobile	1901502002	Ayaan Khan	Ayaan Khan	Ayaan Khan	Ayaan Khan	
11	ASHUTOSH KUMAR	Mechanical	1901502002	A. Kumar	A. Kumar	A. Kumar	A. Kumar	

**Attendance Short Term Course / Value added courses
Mechanical Engineering Department, FET, Rama University
Development of delivery drones**

SR	NAME	BRANCH	ROLL IF ANY LECTURES DATE	DATE				
				1	2	3	4	5
1	Ritik Mishra	Mechanical	1936735321022	19/09/2021 Ritik	19/02/2021 Pavan	20/02/2021 A	22/02/2021 A	23/02/2021 Ritik
2	Pavan kumar	Mechanical	1801502005	Pavan Saurabh	Pavan Saurabh	Pavan Saurabh	A	Pavan
3	Saurabh verma	Mechanical	1901502008	A	A	A	A	A
4	Rahul	Mechanical	RUM2015008	Abhishek Shubham	Abhishek Shubham	Rahul Abhishek	Abhishek Shubham	Rahul
5	Abhishek Kumar Pandey	Mechanical	RUM2015010	Abhishek Shubham	Abhishek Shubham	Abhishek Shubham	Abhishek Shubham	Abhishek Shubham
6	Shubham Chaudhary	Mechanical	1901502004	Govind tiwari	Govind tiwari	Govind tiwari	Govind tiwari	Govind tiwari
7	Govind tiwari	Mechanical	1701502002	AMIT VIKRAM SINGH	AMIT VIKRAM SINGH	AMIT VIKRAM SINGH	AMIT VIKRAM SINGH	AMIT VIKRAM SINGH
8	AMIT VIKRAM SINGH	Mechanical	1901502003	Gaurav kumar	Gaurav kumar	Gaurav kumar	Gaurav kumar	Gaurav kumar
9	Gaurav kumar	Mechanical	1904526205	Ayaan Khan	Ayaan Khan	Ayaan Khan	Ayaan Khan	Ayaan Khan
10	Ayaan Khan	Automobile	1901502002	ASHUTOSH KUMAR	ASHUTOSH KUMAR	ASHUTOSH KUMAR	ASHUTOSH KUMAR	ASHUTOSH KUMAR
11	ASHUTOSH KUMAR	Mechanical						

**Attendance Short Term Course /Value added courses
Mechanical Engineering Department, FET, Rama University
Department of delivery drones**

SR	NAME	BRANCH	ROLL IF ANY LECTURES DATE	DATE				
				1	2	3	4	5
1	Ritik Mishra	Mechanical	1936735321022	24/02/2021 Ritik	24/02/2021 Ritik	28/02/2021 Ritik	04/03/2021 Ritik	06/03/2021 Ritik
2	Pavan kumar	Mechanical	1801502005	Pavan	Pavan	Pavan	Pavan	Pavan
3	Saurabh verma	Mechanical	1901502008	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh
4	Rahul	Mechanical	RUM2015008	A	Rahul	Rahul	Rahul	A
5	Abhishek Kumar Pandey	Mechanical	RUM2015010	Abhishek Shubham	Abhishek Shubham	Abhishek Shubham	Abhishek A	Abhishek Shubham
6	Shubham Chaudhary	Mechanical	1901502004	Shubham	Shubham	Shubham	Shubham	Shubham
7	Govind tiwari	Mechanical	1701502002	Govind tiwari	Govind tiwari	Govind tiwari	Govind tiwari	Govind tiwari
8	AMIT VIKRAM SINGH	Mechanical	1901502003	Amit	Amit	Amit	Amit	Amit
9	Gaurav kumar	Mechanical	1904526205	Aygan Khan	Aygan Khan	Aygan Khan	A	Aygan Khan
10	Ayaan Khan	Automobile	1901502002	A	A	A	A	A
11	ASHUTOSH KUMAR	Mechanical		A. Kumar	A. Kumar	A. Kumar	A. Kumar	A. Kumar



**RAMA UNIVERSITY UTTAR PRADESH,
KANPUR**

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

ORDINANCES GOVERNING CAREER ORIENTED

SHORT-TERM COURSES *Offered by*

Department of Mechanical Engineering

Faculty of Engineering and Technology

RAMA UNIVERSITY UTTAR PRADESH, KANPUR

DDD



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

Contents

	Part: 1	
.....		3
	Ordinance Governing Career Oriented Short Term Courses	
	3
I. General Provisions.....		4
A. Eligibility:		5
B. Course Fee:.....		6
II. ADMISSION PROCEDURE		6
III. CONDUCT OF THE COURSE.....		6
IV. ATTENDANCE RULES.....		6
	Part: 2	
.....		8
	Course Detail Career Oriented Short-Term Courses	
	8
I. COURSE STRUCTURE AND EVALUATION:		9
A. Course Structure.....		9
B. Course Syllabus:.....		9
Delivery Drones Development.....		9
ABOUT THE COURSE:		9
DURATION:.....		9
REGISTRATION FEES:		9
ELIGIBILITY:		10
COURSEWARE:.....		10
MODE:.....		10
EVALUATION SYSTEM:.....		10
EMPLOYMENT OPPORTUNITY:		10
TARGET AUDIENCE		10
COURSE CONTENT		11



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

**Part:
1**

**Ordinance Governing Career Oriented Short Term
Courses**



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

I. General Provisions

1. The program of study leading to Career Oriented Short Term Course (Certificate Program) of Department of Mechanical Engineering, Faculty of Faculty of Engineering and Technology of Rama University Uttar Pradesh, Kanpur shall be of Eight weeks, and shall be basically for the persons who are having interest in this field or they want to build their career in the web development field. The program shall have the status of Add-on Skill Oriented Program under Career Oriented Sort Term Course.
2. The Certificate programs shall have the status of "Short Term Courses" of Rama University Uttar Pradesh, Kanpur and shall be governed by the general rules of the Short Term Courses.
3. The intake to the Certificate Courses shall be 30, which may be increased to 60 (Two Batches) in due course of time by a resolution of the University.
4. The Program of study leading to Career Oriented Short Term Course (Certificate Program) of the Rama University Uttar Pradesh, Kanpur shall be conducted in the Department of Mechanical Engineering under the Faculty of Engineering and Technology in the evening hours or during any such duration which would be appropriate.
5. The admission to Career Oriented Short Term Course (Certificate Program) shall be dealt with by the Dean, Faculty of Engineering and Technology. The last date for the receipt of the application form shall be fixed by the Dean of the Faculty.
6. The candidate seeking admission will have to apply on a prescribed format available from the University/ Faculty on payment of prescribed fee.
7. The candidate may be required to pay the processing fee as directed by the Faculty from time to time. No Application Form shall be considered for admission unless it is complete in all respects including attested copies of the photographs of the candidates containing his/her signature thereon and all necessary documents are attached thereto, such as:
 - a) Attested copies of mark-sheets of all the examinations passed;
 - b) Certificate from an appropriate authority certifying that the candidate belongs to Scheduled Caste/Scheduled Tribe/OBC or that the candidate is Physically Challenged.
8. The provisional admission to the Program shall be made in order of merit based on the candidate's performance in TEST/GD/PI, and academic record.
9. The completed Application Forms for registration at Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur along with documents required under ordinance at above point 6 shall be sent to the Registrar.
10. Provisional admission cannot be claimed by any applicant as a matter of right. The provisional admission or readmission of an applicant shall be entirely at the discretion of the Admission Committee, which may refuse to admit any candidate without assigning any reason there of.
11. Provisional admission will be made strictly on combined merit and availability of seats on the date of admission and the mere fact that call letter has been issued shall not entitle a candidate to claim admission.



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

12. The candidate granted provisional admission shall deposit fee within the period prescribed by the Admission Committee failing which, the admission shall stand cancelled.
13. Provisional admission of a candidate is liable to be cancelled at any time:
 - i) If it is detected that, there is something against the candidate which would have prevented him/her from being admitted to the Program.



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

- ii) If the candidate is found at a later stage to have provided any false information, and /or
iii) If he/she has been punished for an act of gross misconduct, indiscipline or an act involving moral turpitude.

13. There shall be an Admission Committee for Career Oriented Short Term Course (Certificate Programs) admission, constituted under the provisions of Ordinances and consisting of the Dean or his nominee. Admission shall be made in accordance with these ordinances and the rules made there under.

A.

Eligibility:

1. The candidate seeking admission to Career Oriented Short-Term Course must be completed

10+2 from any recognized board/Institute in any stream. B. Intake & Reservations:

2. The intake to Career Oriented Short-Term Course shall be 30. The reservation in admission shall be as per rules.

3.

Reservations:

3.1. SC Candidates 15 % of the intake ST Candidates 7.5% of the intake PC Candidates 3% of the intake (on horizontal reservation basis) OBC Candidates 27% of the intake

3.2. The candidates seeking admission under the above categories must fulfill the minimum eligibility conditions and qualifying requirements.

3.3. The SC/ ST/OBC candidates must enclose attested copy of the caste certificate along with their Application Form stating that the candidate belongs to SC/ST/OBC Category.

3.4. The following are empowered to issue SC/ST/OBC Certificates:

3.4.1. District magistrate/ Additional District Magistrate/ Collector/ Deputy Commissioner/ Addl. Deputy Commissioner/Deputy Collector /1st Class Stipendiary Magistrate/City Magistrate/Sub Divisional magistrate/ Taluka Magistrate/ Executive Magistrate /Extra Assistant Commissioner.

3.4.2. Chief Presidency Magistrate/ Addl. Chief Presidency Magistrate/ Presidency Magistrate. (iii) Revenue Officer not below the rank of Tehsildar. (iv) Sub-Divisional Officer of the area where the candidate and/or his family normally resides. (v) Administrator/Secretary to the Administrator/ Development Officer (Lakshadweep Islands). (vi) Candidate must note that certificate from any other person/authority shall not be accepted in any case.

3.4.3. 3% seats on horizontal reservation basis shall be reserved for Physically Challenged Candidates (i) 1% for Visually Impaired (ii) 1% for Hearing Impaired (iii) 1% for Orthopedically Handicapped. In case no candidate is available in any of the above three sub-categories, the unfilled seats shall be filled by the candidates belonging to the remaining sub-categories.



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

3.5. A candidate applying under PC category must attach a certificate by CMO, District Hospital.

5



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

- 3.6. However, he/she will be considered under PC category only after verification from the University Medical Board. Admit cards for admission shall be issued to such candidates only on production of the above-mentioned verification certificates from the Medical Board constituted by the University for the purpose.
- 3.7. Separate final merit list will be prepared for the candidates under each of the above categories.
- 3.8. Vacant seats, if any, may be filled up as per rules.

B. Course Fee:

1. The Program will run as a Short Term Course of Study as prescribed under the Career Oriented Short Term Course (Certificate Programs) of Rama University Uttar Pradesh, Kanpur.
2. The Short Term Course fee may vary as per the course.

II. ADMISSION PROCEDURE

1. Admission to Career Oriented Short Term Course (Certificate Programs) shall be made in order of merit.
2. The admission process may be reviewed as per need from time to time.

III. CONDUCT OF THE COURSE

1. To qualify for the Career Oriented Short Term Course (Certificate Programs), the candidate must submit the assignments/projects as contained in the Course structure / syllabus detailed herein after.
2. The students shall be permitted to simultaneously pursue any one of the proposed program at a time along with their regular diploma/degree program.

IV. ATTENDANCE RULES

1. A student is required to have full, i.e., 100%, attendance and exemption up to 25% can be considered for specific cogent reasons. Out of this 25%, only 10% exemption will be permitted without taking any application from the student. Rest 15% exemption may be given by the Dean. The cogent reasons for exemption are given below:
 - 1.1. Participation in NCC/NSC/NSS Camps duly supported by certificate.
 - 1.2. Participation in University or College Team Games or Interstate or Inter University tournaments, duly supported by certificate from the Secretary of the University Sports Board or President of the College Athletic Association concerned.
 - 1.3. Participation in Educational Excursions, which form a part of teaching in any subject conducted on working days duly certified by the Dean.
 - 1.4. University Deputation for Youth Festival duly certified by the Dean.



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

- 1.5. Prolonged illness duly certified by the Medical Officer or the Superintendent, Rama Hospital, Rama University or any other Registered Medical Practitioner, provided such certificate is submitted to the Dean, Faculty of Engineering and Technology in time.
- 1.6. No relaxation beyond 25% shall be considered in any case.
2. The attendance of a newly admitted candidate shall be counted from the date of his/her admission, or date of beginning of classes whichever is later, while in the case of promoted candidates, attendance shall be counted from the date on which respective class begins.
3. There shall be an Attendance Monitoring Committee in the Faculty under the Chairmanship of the Dean.



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

Part:

2

Course Detail Career Oriented Short-Term Courses



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

I. COURSE STRUCTURE AND EVALUATION:

Candidates for the Career Oriented Short-Term Course (Certificate Programs) shall be evaluated on the basis of Assignments/Projects in accordance with the syllabi or course prescribed in the Ordinance.

A. Course Structure

The Career Oriented Short-Term Course (Certificate Programs) duration may vary on the basis course category. A student is required to complete the syllabus offer Certificate Program as per the details given below.

B. Course Syllabus:

Delivery Drones Development (DDD)

Here are a few things you must know about the course that will help you understand the relevance and admission-related details about the course.

ABOUT THE COURSE:

Delivery Drone Development has become an extremely popular approach to problem-solving not only related to reach the hazardous as well as non-reachable area, but across all areas of business, defense, etc. . A Development of Delivery Drones will spark innovation, foster a user-centric mindset, and get cross-functional teams working together towards a common goal.

The objective of the course is to give the participants experience with applying the established engineering knowledge to specific Drone development and deployment problems. In relation to this, the participants will learn about analyzing advantages, problems and principles in unmanned aerial vehicle as well as Drones. They will be able to understand how the drones are work, manufactured and deployed. Further they will also learn to various application which are unreachable from the humans. And the proposed filed of application it would also be discussed.

DURATION:

- Total 6 weeks, 5 Lecture per week + Project be highlighted.

REGISTRATION FEES:

- INR 1000 For Students:
 - INR 1500 Instructor:
- Dean/HoD will decide as per availability.



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

ELIGIBILITY:

- Any Diploma or Bachelor Degree or M. Tech of any branch and studying in any year. Although its preferable to have students of final year as they will be benefitted maximum.

COURSEWARE:

- Course material is provided in printed / electronic form.

MODE:

- Online Lecture and Practice.

EVALUATION SYSTEM:

- Based on the Assignments and Final project report.

EMPLOYMENT OPPORTUNITY:

- The course participants will become capable of solving most difficult inventive problems arising within their area of competence. Such skill brings tremendous value to a problem solver due to considerably shortened time for finding solutions and guided search towards most effective solutions.

- The course participants will be able to use the course materials and acquired skills in their own practice.

TARGET AUDIENCE

- Research & Development,
- Engineering,
- Quality,
- Product Design,
- Process Design,
- And New Product Development



RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No. 1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

COURSE CONTENT

❖ **Teach people how to problem-solve:**

- ✓ Problem solving is a key skill that everyone should master. A DDD - STC teaches problem solving in action, giving the workshop participants an approach they can apply to almost any challenge in any area of their lives.

❖ **Foster innovation and teamwork:**

- ✓ The very essence of Drone Development lies in collaboration and thinking outside the box. As a designer, these things are second nature to you; for others, it might not come so easily. A Drone Development STC breaks down silos and shows participants how to challenge their assumptions—a recipe for innovation!

❖ **Secure a competitive advantage:**

- ✓ A Drone Development STC may result in ground breaking solutions that ultimately set the company apart—but competitive products aren't the only takeaway. Drone Development STC teach creative thinking, which is increasingly seen as a competitive advantage when applied at a strategic level.

❖ **Modules:**

1. Basic Fundamentals
 - a. Define Basic terms and definitions
 - b. Introduction
2. Design concept
 - a. Explain design
 - b. Development and construction
 - c. Control system design
3. Hardware implementation
4. Fabrication and Assembling
5. Testing

6. Demonstration at suitable site selected at Campus

613



RWMA
UNIVERSITY

CERTIFICATE OF SHORT TERM COURSE

ISSUED TO:

Mr. Sushil Kumar

has successfully completed more than 30 hours short term course
Department of Delivery Drones

started from 01.02.2021 to 06.03.2021

Dept. of Mechanical Engg. Institute of Engineering & Technology

Dean Engineering

REGISTER