

KRISHNA UNIVERSITY

**KRISHNA UNIVERSITY-Dr.M.R.APPA ROW COLLEGE OF POST
GRADUATION STUDIES-NUZVID**



DEPT OF CHEMISTRY

Value Added Course

DISASTER MANAGEMENT [22CHE-VAC-DM]

Duration: Two Weeks

A handwritten signature in black ink, slanted upwards to the right.

HEAD/COORDINATOR OF THE DEPARTMENT

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PRINCIPAL

**PRINCIPAL
Krishna University
Dr.M.R.APPA ROW College of
Post Graduation Studies
NUZVID**

INDEX

- Notice of the Course (Circulars Issued)
- Brochure
- Curriculum of the Course
- Enrollment of students
- Attendance of the Students
- Action Photos of VAC course
- Certificate of the Course
- A Brief Report



KRISHNA UNIVERSITY- MACHILIPATNAM
Dr. MR Appa Row College of PG Studies, Nuzvid

Brochure
for
Value Added Courses

Organised by:
Department of Chemistry
Dr. MR Appa Row College of PG Studies, Nuzvid
Krishna District, Andhra Pradesh-521201

KRISHNA UNIVERSITY

Dr. M.R. APPA ROW COLLEGE OF POST
GRADUATION STUDIES NUZVID -521201

Two-week Value-added Course on

DISASTER MANAGEMENT

From 09.03.2023 to 28.03.2023

Organized by

Department of Chemistry

Chief Patron

Prof. G. Gnana Mani

Vice- Chancellor

Krishna University

Patron

Prof. D. Surya Chandra Rao

Rector & Principal

UCAS Krishna University

Patron

Dr. M. Rami Reddy

Registrar

Krishna University

Organiser

Prof. T. Hymavathi

Head (i/c)

Department of Chemistry

Course Coordinator

Dr. D. Ravi Kumar

Assistant Professor (Ad-hoc)

Department of Chemistry

KRU, Dr.M.R. Appa Row College of PG Studies-Nuzvid

About the KRU Dr.MR Appa Row College of PG studies:

The Post Graduate Centre at Nuzvid (Mango town) was started by Andhra University with the personal efforts of the then Vice-Chancellor of Andhra University Late Prof.M.R.Appa Row, with three Post Graduate Courses viz., M.Sc., Applied Mathematics, M.Sc. Physics and M.Sc. Chemistry in 1977. The Andhra University Post Graduate Courses were inaugurated by the then Hon'ble Chief Minister Sri J. Vengal Rao garu.

This Centre was merged with the Acharya Nagarjuna University in 1993 through an Ordinance issued by the Government of Andhra Pradesh.

In 2011 the Post Graduate Centre was merged with Krishna University, Machilipatnam on dt.22.01.2011 through G.O. issued by the Government of Andhra Pradesh. At present this Centre named as Krishna University-Dr.MR Appa Row College of PG studies, Nuzvid with eight courses such as M.Sc Applied mathematics, M.Sc Analytical Chemistry, M.Sc Physics, M.Sc Biochemistry, M.Sc Organic Chemistry M.Sc Statistics, M.Com and M.B.A.

About the Department of Chemistry:

The Department of Chemistry was established in November 1977 with Synthetic Chemistry as specialization. The first special officer of this centre Prof. L.R. Row who is an internationally reputed organic chemist initiated the research activities in the department. Renowned faculty served the department and initiated good research activities in the department. In 1994 Andhra University PG Centre, Nuzvid merged with Acharya Nagarjuna University. During ANU time eminent teaching faculty served the department took the department to newer heights in terms of setting good academic activities and research activities of the Department. From 2011, it is under the purview of Krishna University and named as Krishna University- Dr MRAR PG Centre. Now it is named as Krishna University Dr.MR Appa Row College of PG studies. Presently, the Department offering two specializations Analytical Chemistry and Organic Chemistry with an intake of 40 students for each course. Faculty serving at present having good academic track and research activity. Students after getting the M.Sc. degrees, pursued their research activities in various reputed research institutions and got place placements in various esteemed educational institutions and research organizations as well and bring mane and fame to the Department of Chemistry as well the Krishna University.

As a part of educating and enrich the students skills and knowledge beyond the curriculum, the Department of Chemistry is going to provide and offer the following Value Added Course to the M.Sc Organic Chemistry Students of III semester of 2022-23 Ac.Year.

Value Added Course:

Title of the Course: Disaster Management [22CHE-VAC-DM]

Duration: Two weeks

Resource Faculty: Dr. D. Ravi Kumar

Course Coordinator: Dr. D. Ravi Kumar

Year/ Batch: M. Sc Organic Chemistry II year/ 18 students

Objective: To generate skilled persons in different trades for the industry. To reduce unemployment among the educated youth by equipping them for suitable industrial training and employment. To give opportunities for career improvement, proficient growth and through appropriate value added courses.

Course syllabus on Disaster Management:

Unit-1: Introduction of Disaster Management: Introduction on Disaster. Different Types of Disasters. Natural Disaster: such as Flood, Cyclone, Earthquakes, and Landslides etc. Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters, Accidents (Air, Sea, Rail & Road), Structural failures (Building and Bridge), War & Terrorism etc. Causes, effects and practical examples for all disasters. Risk and Vulnerability Analysis: Risk: Its concept and analysis, Risk Reduction. Vulnerability: Its concept and analysis. Strategic Development for Vulnerability Reduction.

Unit-2: Disaster Preparedness and Response Preparedness: Disaster Preparedness: Concept and Nature, Disaster Preparedness Plan. Prediction, Early Warnings and Safety Measures of Disaster. Role of Information, Education, Communication, and Training. Role of Government, International and NGO Bodies. Role of IT in Disaster Preparedness.

Disaster Response: Introduction, Disaster Response Plan, Communication, Participation, and Activation of Emergency Preparedness Plan, Search, Rescue, Evacuation and Logistic Management. Role of Government, International and NGO Bodies. Psychological Response and Management (Trauma, Stress, Rumor and Panic). Relief and Recovery. Medical Health Response to Different Disasters.

Unit-3: Rehabilitation, Reconstruction and Recovery; Reconstruction and Rehabilitation as a Means of Development. Damage Assessment. Post Disaster effects and Remedial Measures. Creation of Long-term Job Opportunities and Livelihood Options. Disaster Resistant House Construction. Sanitation and Hygiene. Education and Awareness, Dealing with Victims' Psychology, Long-term Counter Disaster Planning, Role of Educational Institute.

Reference books:

1. Disaster Management and Preparedness by Collins Larry R.CRC Press Taylor& Francis group.
2. Disaster Management by R Subramanian, Vikas Publishing House.

Outcome of the Value Added Course:

On completion of the course the students will be able to

- Importance of Disaster Management.
- Different Types of Disasters.
- Risk and Vulnerability Analysis of Disaster Management.
- Disaster Preparedness, Disaster Response preparedness.
- Rehabilitation, Reconstruction and Recovery of Disaster Management.

Tentative Schedule of Value Added Course: 09.03.2023 to 28.03.2023.

KRU Dr. MR APPA ROW CPGS /Nuzvid/Chemistry/VAC/2022-23

Date: 01.03.2023

From

Head/Coordinator

Department of Chemistry

KRU Dr. MR Appa Row College of PG Studies,

Nuzvid.

To

The Registrar,

Krishna University,

Machilipatnam

(Through Proper Channel)

Sub: Submission of Proposal for Value Added Course-Department of Chemistry-III Sem
Organic Chemistry- Request for approval- Reg.

Sir,

With respect to the subject cited above, I am herewith submitting the proposals of Value Added Courses [22CHE-VAC-DM] to conduct in the Department of Chemistry, KRU Dr.MR Appa Row College of PG studies, Nuzvid for III Semester Organic Chemistry Course. I request you to approve the same at the earliest. Request you to do the needful in this regard.

Thanking you,

Yours faithfully,

T. Hymanthi

**KRISHNA UNIVERSITY-DR.M.R.APPA ROW COLLEGE OF PG STUDIES
NUZVID**

DEPT OF CHEMISTRY

TWO WEEK VALUE ADDED COURSE

Disaster Management[22CHE-VAC-DM]

Unit-1: Introduction of Disaster Management: Introduction on Disaster. Different Types of Disasters. Natural Disaster: such as Flood, Cyclone, Earthquakes, and Landslides etc. Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters, Accidents (Air, Sea, Rail & Road), Structural failures (Building and Bridge), War & Terrorism etc. Causes, effects and practical examples for all disasters. Risk and Vulnerability Analysis: Risk: Its concept and analysis, Risk Reduction. Vulnerability: Its concept and analysis. Strategic Development for Vulnerability Reduction.

Unit-2: Disaster Preparedness and Response Preparedness: Disaster Preparedness: Concept and Nature, Disaster Preparedness Plan. Prediction, Early Warnings and Safety Measures of Disaster. Role of Information, Education, Communication, and Training. Role of Government, International and NGO Bodies. Role of IT in Disaster Preparedness.

Disaster Response: Introduction, Disaster Response Plan, Communication, Participation, and Activation of Emergency Preparedness Plan, Search, Rescue, Evacuation and Logistic Management. Role of Government, International and NGO Bodies. Psychological Response and Management (Trauma, Stress, Rumor and Panic). Relief and Recovery. Medical Health Response to Different Disasters.

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Reference books:

1. Disaster Management and Preparedness by Collins Larry R.CRC Press Taylor& Francis group.
2. Disaster Management by R Subramanian, Vikas Publishing House.

KRISHNA UNIVERSITY

Prof. V.Venkatramu, Ph.D.,

Principal (i/c)

Dr.M.R. APPA ROW College of P G Studies

krupgcnzd@gmail.com

Nuzvid -521201 Andhra Pradesh



Ph: 08656-232560 (O)

Mobile: 8639257248

E-mail:

Website: www.kru.ac.in

No/KRUCPGS/VAC/Chemistry/2023

Dt: 01.03.2023

CIRCULAR

It is to inform that the syllabus for value added course on Disaster Management [22CHE-VAC-DM] for III semester students of Organic Chemistry submitted by the Head(i/c) of the department of Chemistry on 01.03.2023 has been approved. Hence, the Head(i/c) are requested to complete the value added course as per guidelines of the University.

PRINCIPAL(i/c)

PRINCIPAL
Krishna University
Dr. M.R. APPA ROW College of
Post Graduation Studies
Nuzvid

Copy to:

Head(i/c), Department of Chemistry with request to circulate among VAC coordinators and resource persons.

PS to Hon'ble Vice-Chancellor

PA to Registrar

File

KRISHNA UNIVERSITY Dr. M.R APPAROW COLLEGE OF POST GRADUATION
STUDIES, NUZVID-521201

DEPARTMENT OF CHEMISTRY

Dt : 15.03.2023

CIRCULAR

Two week value added courses entitled "Disaster Management [22CHE-VAC-DM]" for III semester Organic Chemistry students of the Department of Chemistry to be conducted from 09.03.2023 to 28.03.2023 (tentatively). All the enrolled students must attend classes without fail.


Head/Coordinator (I/C)

Copy to:

1. Principal (I/C), KRU-Dr.M.R. Appa Row College of P.G. Studies, Nuzvid.
2. NAAC – Criterion-1 team
3. All teaching faculty, Head/Coordinators and Students of the dept. of chemistry of KRU-Dr.M.R. Appa Row College of P.G. Studies, Nuzvid.
4. Notice Board
5. File

KP'SHNA UNIVERSITY:: MACHILIPATNAM
KRU Dr. MR Appa Row College of PG studies, Nuzvid
Department of Chemistry

List of Enrolled students

Name of the Course: Chemistry (Analytical Chemistry)

Name of Value Added Course: Organic Farming

VAC Course duration: 14th February 2023 to 3rd March 2023

Semester : I

S. No	Name of the Student	Regd. No.	Signature
1	A.Ganesh	Y22ACH245001	A. Ganesh
2	B.Renuka Pothuraju	Y22ACH245004	B.R. Pothu Raju
3	B.Kokila	Y22ACH245005	B. Kokila
4	B.Durga Prasad	Y22ACH245006	B. Durgaprasad
5	Ch. Vaddikasulu	Y22ACH245007	Ch. Vaddikasulu
6	D.Mohana	Y22ACH245008	D. Mohana
7	D.Himabindu	Y22ACH245009	D. Himabindu
8	G.Varalakshmi	Y22ACH245010	G. Varalakshmi
9	K.Naga Divya	Y22ACH245014	K. Nagadivya
10	K.Naveen	Y22ACH245015	K. Naveen
11	K.Vamsi	Y22ACH245016	K. Vamsi
12	K.Sambasiva Rao	Y22ACH245017	K. Sambasiva Rao
13	L.Bala Raju	Y22ACH245018	L. Bala Raju
14	M.Siva Kumar	Y22ACH245019	M. Siva Kumar
15	P.Rekha	Y22ACH245023	P. Rekha
16	R.Ramadevi	Y22ACH245024	R. Ramadevi
17	S.Sudheer	Y22ACH245025	S. Sudheer
18	Sk.Asha Shailu	Y22ACH245026	Sk. Asha Shailu
19	Sk.Karimulla	Y22ACH245027	Sk. Karimulla
20	V.Nithin	Y22ACH245030	V. Nithin
21	Y.Lavanya	Y22ACH245031	Y. Lavanya

(Signature)

VAC Course Resource person

VAC Course Coordinator

Head/Coordinator of the Department



KRISHNA UNIVERSITY Dr. MR APPA ROW COLLEGE OF PG STUDIES, NUZVID
DEPARTMENT OF CHEMISTRY
 M.Sc., (Organic Chemistry Specialisation)
 Time Table of VAC course – Disaster Management [22CHE-VAC-DM]

Academic Year: 2022-23

Class & Semester: II M.Sc., III Semester

Periods	I	II	III		IV	V	VI
Time	10:00AM-11:00AM	11:00AM-12:00NOON	12:00NOON-01:00PM		01:30PM-02:30PM	02:30PM-03:30PM	03:30PM-04:30PM
Monday				L			VAC
Tuesday				U			VAC
Wednesday				N			VAC
Thursday				C			VAC
Friday				H			VAC
Saturday							VAC

VAC Course Coordinator
 Department of Chemistry

Day wise schedule of topic covered

Name of the Course: Chemistry (Organic Chemistry)
Name of Value Added Course: Disaster Management
VAC Course duration: 09.03.2023 to 28.03.2023

Semester : III

S. No	Date	Topic covered
1	9/3/23	Introduction on Disaster, types of disasters
2	10/3/23	Natural disasters
3	13/3/23	Man Made disasters
4	14/3/23	Effects and causes of disaster
5	15/3/23	Risk and vulnerability analysis
6	16/3/23	Disaster preparedness & its plan
7	17/3/23	Predictions of disaster & preparedness
8	18/3/23	Disaster response
9	19/3/23	Rescue and Evacuation
10	20/3/23	Relief and recovery to different disaster
11	23/3/23	Rehabilitation, Damage assessment
12	24/3/23	Post disaster effects and remedial measures
13	25/3/23	Protection of livelihood species, construction of houses
14	27/3/23	Sanitation and Hygiene awareness
15	28/3/23	Role of educational institutions in disaster management

1. Hyderabad

VAC Course Resource person

VAC Course Coordinator

Head/Coordinator of the Department

KP'SHNA UNIVERSITY:: MACHILIPATNAM
KRU Dr. MR Appa Row College of PG studies, Nuzvid
Department of Chemistry

Consolidated Attendance Statement

Name of the Course: Chemistry (Organic Chemistry)
 Name of Value Added Course: Disaster Management
 VAC Course duration: 09.03.2023 to 28.03.2023

Semester : III

S. No	Name of the Student	Regd. No.	9/3	10/3	11/3	12/3	13/3	14/3	15/3	16/3	17/3	18/3	19/3	20/3	21/3	22/3	23/3	24/3	25/3	26/3	27/3	28/3	Signature
1	A. V. S. Sai Kumar	Y21OCH245001	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A.V.S Sai Kumar
2	A. Ravindra	Y21OCH245002	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A. Ravindra
3	B. Geethika	Y21OCH245004	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	B. Geethika
4	B. Naga Rohita	Y21OCH245005	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	B. Naga Rohita
5	G. Sashi Kumar	Y21OCH245009	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	G. Sashi Kumar
6	G. Rama Devi	Y21OCH245010	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	G. Rama Devi
7	J. Chandini	Y21OCH245011	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	J. Chandini
8	K. Shivani	Y21OCH245012	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	K. Shivani
9	K. Naga Lakshmi	Y21OCH245013	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	K. Naga Lakshmi
10	K. Gopi Raju	Y21OCH245015	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	K. Gopi Raju
11	K. Ashok	Y21OCH245017	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	K. Ashok
12	M. Mohana Krishna	Y21OCH245018	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	M. Mohana Krishna
13	N. Shanmukha Chari	Y21OCH245021	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N. Shanmukha Chari
14	N. Yashoda	Y21OCH245022	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N. Yashoda
15	P. Naga Mani	Y21OCH245023	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P. Naga Mani
16	P. Siva Naga jyothi	Y21OCH245026	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P. Siva Naga jyothi
17	R. Triveni	Y21OCH245027	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	R. Triveni
18	Y. Swathi	Y21OCH245032	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Y. Swathi

G. S. Srinivasulu

VAC Course Resource person

VAC Course Coordinator

Head/Coordinator of the Department



KRISHNA UNIVERSITY-MACHILIPATNAM

KRU Dr. MR Appa Row College of PG Studies, Nuzvid

Department of Chemistry

TWO WEEKS VALUE ADDED COURSE

on

Disaster Management [22CHE-VAC-DM]

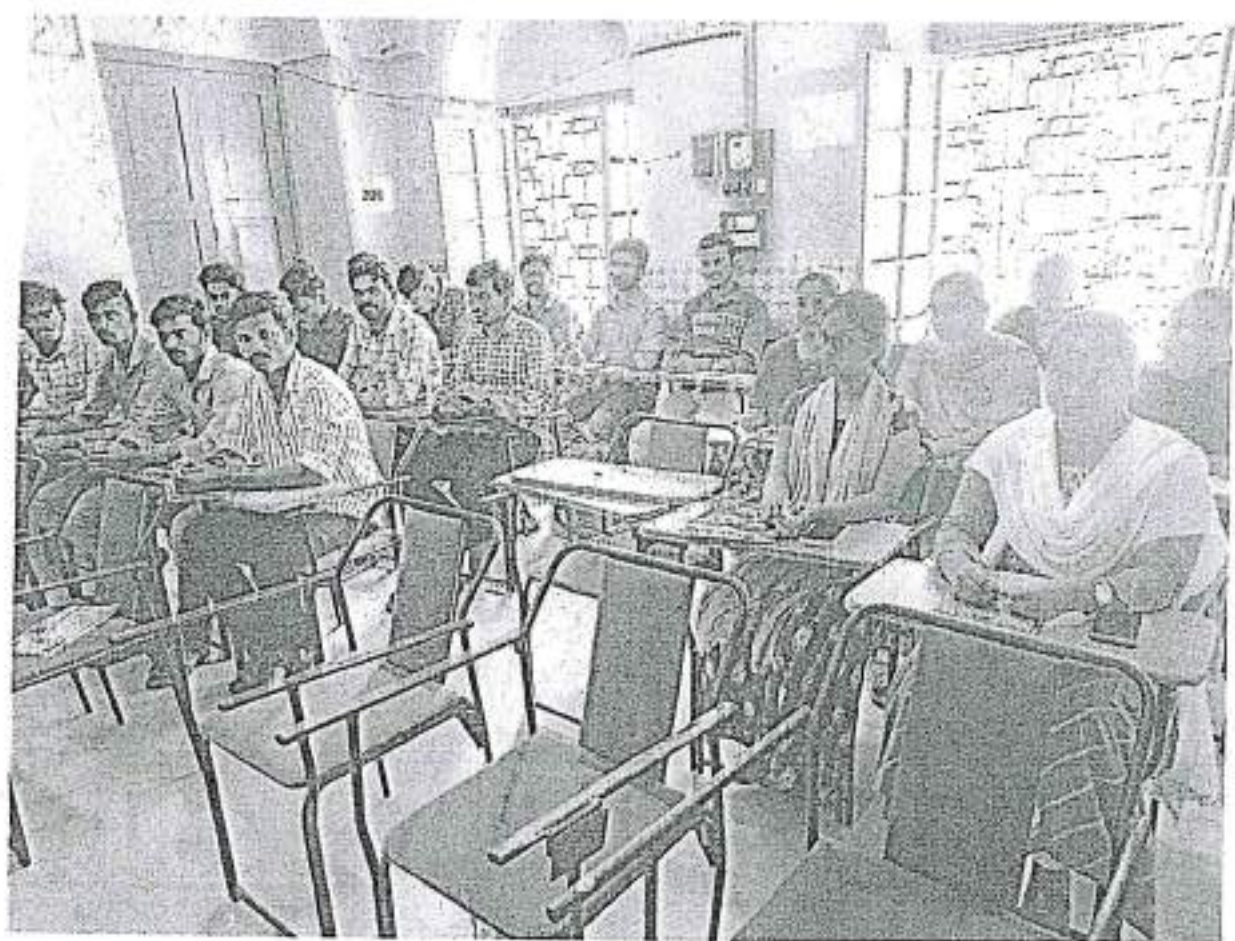
Ac. Year 2022-23

Course offered to: Organic Chemistry Semester: III

Answer any FOUR questions. All Questions carry Equal marks

Max Marks:20

1. Explain Disaster Management and its types.
2. Describe the Causes, effects and practical examples for disasters.
3. Describe Disaster Preparedness Plan.
4. Explain Relief and Recovery in terms of Disaster Management.
5. Explain About Damage Assessment.
6. Explain Post Disaster effects and Remedial Measures.





Krishna University-Machilipatnam
Dr. MR Appa Row College of Post Graduation Studies
Nuzvid
Department of Chemistry

CERTIFICATE

This is to certify Mr./Mis./Mrs.
had completed the Two Weeks Value added Course on "Disaster Management
[22CHE-VAC-DM]" during 09.03.2023 to 28.03.2023, organized by the Department
of Chemistry, Krishna University Dr.MR Appa Row College of PG Studies, Nuzvid,
Andhra Pradesh.

Course Coordinator

(Signature)

Head of the Department

(Signature)
Principal

PRINCIPAL
Krishna University
Dr. MR APPA ROW College of
Post Graduation Studies
NUZVID



Krishna University-Machilipatnam
Dr. MR Appa Row College of Post Graduation Studies
Nuzvid
Department of Chemistry

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Andhra Pradesh.

Course Coordinator

[Signature]

Head of the Department

[Signature]

Principal
PRINCIPAL
Krishna University
Dr.MR APPA ROW College of
Post Graduation Studies

A BRIEF REPORT

- Department of Chemistry had organized a Two Week Value Added Course in " Disaster Management " to the students of III semester of Organic Chemistry (AY.2022-2023) by Dr. D. Ravi Kumar, Course Coordinator.
- The duration of the Course is two weeks.
- 18 students participated in the program.
- Students were supplied with the necessary study material
- At the end of the programme, A Grand Test was conducted and it was evaluated.
- Certificates were issued to the qualified students.

Resource person cum Course Coordinator

Contact details:

Dr. D. Ravi Kumar,

Course Coordinator &

Resource person

Department of Chemistry,

KRU Dr.MRAR CPGS,NUZVID-521201,

mail: drkumar.orgchem@gmail.com

mobile no: 9848954325