Aurora's Degree & PG College

(ACCREDITED BY NAAC WITH 'B++' GRADE)
Chikkadpally, Hyderabad 500020

EVENT / ACTIVITY DETAILED REPORT

NAME OF THE EVENT / ACTIVITY	A Two Day National Level FDP On "Recent Trends In Optimization Theory"
TYPE OR TITLE OF EVENT / ACTIVITY	National level FDP
FACULTY INCHARGE	B. Madhavi & A Sandhya Rani
DEPARTMENT/CELL/COMMITTEE/CLUB	Mathematics
DATE	17th & 18th September 2021
VENUE	_____
TARGET AUDIENCE	Faculty & Research Scholars from Various States

1. **PROGRAM SCHEDULE**

   Day 1:

10:45 am – B. Madhavi convener and Associate professor from Department of Mathematics started the event allowing the participants to join.

11:00 am - Welcome address and Introduction by Ms. G. Prathibha, head, Department of mathematics

11:10 am - Introduction of the speaker by Ms. A. Sandhya Rani

11:15 am – Lecture by Dr. Ashish Kumar Prasad is Assistant Professor in Department of Mathematics, School of Advanced Sciences, VIT, Vellore on the topic " Basic Framework of Nonlinear and Variational Analysis".

12:45 pm – Doubts clarification

1.00pm - Vote of thanks by Ms. B.Madhavi

   Day 2:

10:45 am – B. Madhavi convener and Associate professor from Department of Mathematics started the event allowing the participants to join.

11:10 am - Introduction of the speaker by Ms. A. Sandhya Rani

11:15 am – Lecture by Dr. Amrit Das, Assistant Professor, Department of Mathematics, School of Advanced Sciences, VIT,Vellore, on the topic "Fuzzy sets and its applications in optimal decision making problem".

12:30 pm – Doubts clarification

12.45pm - Vote of thanks by Ms. B.Madhavi

2. **LIST OF FACULTY COORDINATORS (DEPARTMENT) :** Ms. B.Madhavi & Ms. A. Sandhya Rani

3. **LIST OF THE STUDENT COORDINATORS (NAME , ROLL NO, CLASS & SECTION) :** Nil

4. **LIST OF THE PARTICIPANTS**

S.No	Name	College Name	Email Id
1.	Aleti Rekha	Chaitanya Deemed to be University	aletirekha8179@gmail.com
2.	ASHA ALICE S	St. Xavier's Catholic College of Engineering	alice@sxcce.edu.in
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12.	Dr.P.Balaji	SCSVMV DEEMED TO BE UNIVERSITY,KANCHIPURAM	pbalaji@kanchiuniv.ac.in

13	Dr.P.KALAISELVI	Government Arts and Science College (Women) Orathanadu	gkalaimaths@gmail.com
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50	Yenubari Pradeeptha	DS Govt. Degree college, Ongole	pradeepthayenubari@gmail.com

5. PARAGRAPH ABOUT THE PROCEEDINGS (TILL THE END OF THE EVENT)

On account of birthday celebrations of Georg Friedrich Bernhard Riemann on 17th & 18th September 2021 the Department of Mathematics organised a two day National Level Faculty Development Program on "Recent Trends in Optimization Theory" through online mode (Microsoft Teams).

The Program started on 17-09-2021 at 11.00 AM .The first day of the program started with an introductory speech by G. Prathibha head of the department of mathematics, Aurora's

Degree & PG College, and A Sandhya Rani introduced the speaker Dr. Ashish Kumar Prasad is Assistant Professor in Department of Mathematics, School of Advanced Sciences, VIT, Vellore. The session is handover to the Speaker. The lecture started at 11:15 AM. by Prof. Ashish Kumar Prasad. He delivered the lecture on "Basic Framework of Nonlinear and Variational Analysis". In the lecture, sir explained Convexity & Duality, which includes the role of convexity in optimization theory and multi-objective programming problems. The lecture was very interesting. He spoke about how the faculty members need to keep them updated with all skills from time to time.

On the next day 18-09-2021 the Program started at 11.00 AM with Dr. Amrit Das lecture on "Fuzzy Set and Its Applications in Optimal Decision Making Problem". In the lecture, the speaker explained about definition & properties of fuzzy sets, the representation of fuzzy numbers, and different forms of fuzzy sets. He also explained the applications of fuzzy sets to optimal decision-making problems.
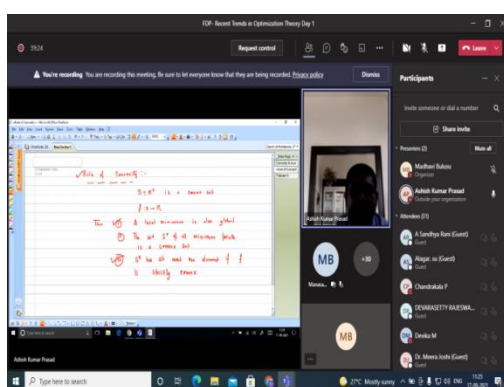
The main objective is to understand the concepts from Nonlinear Analysis & Variational Analysis from the perspective of Optimization Theory and also to educate and motivate the faculty members for research in the area of Optimization Techniques.
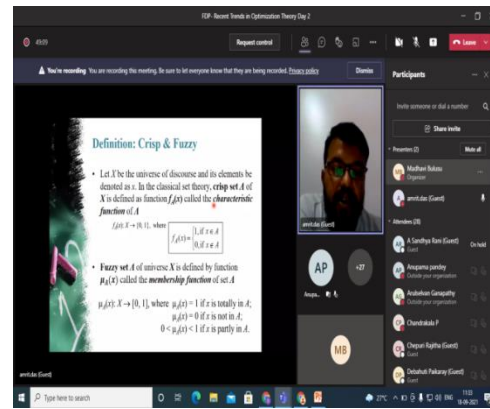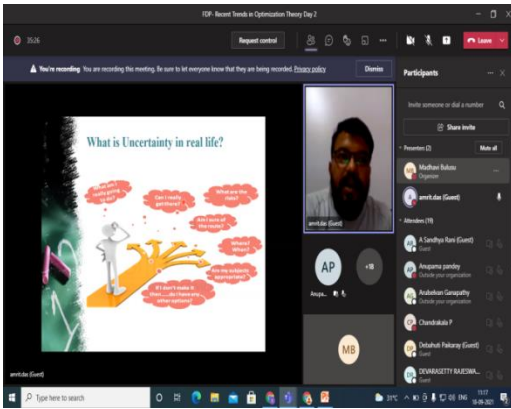
The Faculty in Mathematics got knowledge in new techniques in teaching mathematics and different ideas in Optimization Techniques. On each day around 50 members were participated.

6. **INCOME AND EXPENDITURE: Nil**
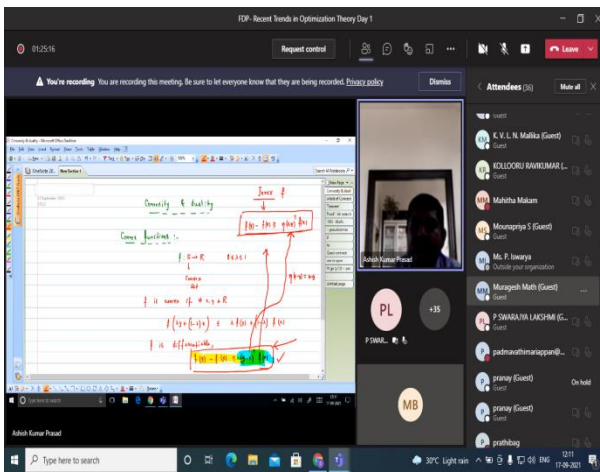7. **EVENT PHOTOS (MIN 2 MAX 4)**

8.

9.

10. GUEST PROFILE (IF ANY)

11. FEED BACK IF ANY

12. ATTACHMENTS:

EVENT/ACTIVITY PROPOSAL

Aurora's Degree & PG College

(ACCREDITED BY NAAC WITH 'B++' GRADE)

Chikkadpally, Hyderabad 500020

Department of Mathematics

EVENT PROPOSAL

Event Name   :   **A Two Day Faculty Development Programme on account of Riemann's Birthday Celebrations.**

Faculty Coordinator   : Ms. B. Madhavi & Ms. A. Sandhya Rani

Date   :   17/09/2021 & 18/09/2021

Venue   : Aurora's Degree & PG College, Chikkadpally, Hyderabad.

Target Audience   : Faculty of various degree and PG colleges

Level   **:** National level

Budget   **:** Nil

Theme   **: Recent Trends in Optimization Theory**

Objective   :   To understand the concepts from Nonlinear Analysis & Variational Analysis from the perspective of Optimization Theory.

Proposed Activities   **:**   A two day national level FDP

On account of birthday celebrations of Georg Friedrich Bernhard Riemann on 17 September 2021 the department of Mathematics is organizing a Faculty Development Programme. He was a German mathematician who made contributions to analysis, number theory, and differential geometry. In the field of real analysis, he is mostly known for the first rigorous formulation of the integral, the Riemann integral, and his work on Fourier series.

Day 1 :

Resource person: Dr. Ashish Kumar Prasad, Assistant Professor, **D**epartment of **M**athematics   **S**chool of **A**dvanced **S**ciences, **VIT,V**ellore

Topic: Basic Framework of Nonlinear and Variational Analysis

Day 2:

Resource person: Dr Amrit Das, Assistant Professor, **D**epartment of **M**athematics
　　　　　　School of **A**dvanced **S**ciences, **VIT,V**ellore

Topic: Fuzzy set and its applications in optimal decision making problem

B.Mdhavi & A.Sandhya　　**Dr. Ravi Kiran**　　**Dr.Viswandhm Bulusu**
EVENT COORDINATOR　　　　**IQAC COORDINATOR**　　　　**PRINCIPAL**

EVENT / ACTIVITY NOTICE: Nil

RECEIPTS (IF ANY): Nil

CERTIFICATES (IF ANY)

Guest certificates:

AURORA'S DEGREE & PG COLLEGE
(Accredited by NAAC with "B++" Grade)

CERTIFICATE OF APPRECIATION

This is to Certify that

Dr. Amrit Das

Assistant Professor , Department of Mathematics
School of Advanced Sciences VIT,Vellore
has delivered a talk in the Two Day National Faculty Development Programme on

Recent Trends in Optimization Theory

held on :17th & 18th September,2021

B. Madhavi
COORDINATOR

A. Sandhya Rani
COORDINATOR

Dr. Viswanadham Bulusu
PRINCIPAL

Aurora's Degree & PG College,Chikkadpally,Hyderabad-500020 Tel:040-27662668 URL: www.adc.edu.in

Certificate given to participants:

AURORA'S DEGREE & PG COLLEGE
(Accredited by NAAC with "B++" Grade)

CERTIFICATE OF PARTICIPATION

This is to Certify that

Y Sri Krishna Mohan

has participated in the Two Day National Faculty Development Programme on

"Recent Trends in Optimization Theory"

delivered by

Dr. Ashish Kumar Prasad Assistant Professor,
Department of Mathematics,School of Advanced Sciences, VIT,Vellore

Dr. Amrit Das Assistant Professor,

Department of Mathematics,School of Advanced Sciences, VIT,Vellore

held on : 17th & 18th September,2021

organized by Department of Mathematics

B.Madhavi
Coordinator

A. Sandhya Rani
Coordinator

Dr. Viswanadham Bulusu
Principal

Aurora's Degree & PG College,Chikkadpally,Hyderabad-500020 Tel:040-27662668 URL: www.adc.edu.in

LETTERS OF COMMUNICATION (IF ANY):

Invitation regarding as a resource person for FDP

Madhavi Bulusu <madhavibulusu@adc.edu.in>

Thu, Aug 26,
11:15 AM

to ashish.kumar

Good Morning Sir,

I am B.Madhavi, working as an associate professor in the Department of Mathematics at Aurora's Degree and PG College Hyderabad, Telangana.

The Department organises lecture series, workshops, conferences, FDPs etc; for the benefit of students and teachers at the graduate and under graduate levels.

We would like to organize a two day FDP on 'Fuzzy Optimization' on 17th & 18th of September. I hereby request you to be a resource person for one day.

So, I request you to kindly accept my invitation to be a speaker so that the teacher community will be benefited.

In case you feel the title needs a change, you can change it the way you want.

We have the capacity of organizing the programme on Microsoft Teams. In the present scenario, we are making the registration free for the participants.

Thanking you

With regards

B.Madhavi,

Department of Mathematics,

Chikkadapally,

Hyderabad.

Ashish Kumar Prasad <ashish.kumar@vit.ac.in>

to me

Dear Madam,

I am very glad to know that you are organising FDP on Fuzzy Optimization. My area of research is Convex Optimization/ Variational Analysis. If you are comfortable I would like to give lectures on " Variational Analysis and it's Applications to Optimization". Hope this topic may be interesting and useful. I will be waiting for your reply.

Thanks

Ashish

From: Madhavi Bulusu <madhavibulusu@adc.edu.in>
Sent: Thursday, August 26, 2021 11:15:16 AM
To: ashish.kumar@vit.ac.in <ashish.kumar@vit.ac.in>
Subject: Invitation regarding as a resource person for FDP

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[Message clipped] View entire message

Madhavi Bulusu <madhavibulusu@adc.edu.in>

to Ashish

Dear Professor,

Thank you so much for your acceptance. I will let you know the details very soon. May I know your phone number so that I can contact .

Fri, Aug 27,
4:10 PM

Ashish Kumar Prasad <ashish.kumar@vit.ac.in>

to me

Dear Madam,

My contact no is +91-9931283062

Thanks

Get Outlook for Android

From: Madhavi Bulusu <madhavibulusu@adc.edu.in>
Sent: Friday, August 27, 2021 3:44:20 PM
To: Ashish Kumar Prasad <ashish.kumar@vit.ac.in>
Subject: Re: Invitation regarding as a resource person for FDP

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[Message clipped] View entire message

Wed, Sep 8,
1:13 PM

Ashish Kumar Prasad <ashish.kumar@vit.ac.in>

to me

Respected Madam,

Please find attached here my CV.

Topic of Talk: Basic Framework of Nonlinear and Variational Analysis

Best Regards

Ashish Kumar Prasad

Dr. Ashish Kumar Prasad

Assistant Professor | **D**epartment of **M**athematics

School of **A**dvanced **S**ciences | **VIT**

Vellore-632014 | **I**ndia

Email: ashishprasa@gmail.com

Mobile: +91-9931283062

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From: Ashish Kumar Prasad
Sent: Friday, August 27, 2021 4:12:52 PM
To: Madhavi Bulusu

…

[Message clipped] View entire message

Attachments area

Wed, Sep 8, 4:08 PM

Madhavi Bulusu <madhavibulusu@adc.edu.in>

to Ashish

Thank you very much. sir

ReplyForward

Invitation regarding as a resource person for FDP

Inbox

Mon, Aug 16,
3:13 PM

Madhavi Bulusu <madhavibulusu@adc.edu.in>

to amrit.das

Good Morning Sir,

I am B.Madhavi, working as an associate professor in the Department of Mathematics at Aurora's Degree and PG College Hyderabad, Telangana. The Department organises lecture series, workshops, conferences, FDPs etc; for the benefit of students and teachers at the graduate and under graduate levels.We would like to organize a two day FDP on 'Fuzzy Optimization' on 17th & 18th of September. I hereby request you to be a resource person for one day.So, I request you to kindly accept my invitation to be a speaker so that the teacher community will be benefited. In case you feel the title needs a change, you can change it the way you want.

We have the capacity of organizing the programme on Microsoft Teams. Please let us know your expectations with regard to support required from ourside.

In the present scenario, we are making the registration free for the participants.

 Thanking you

 With regards

B.Madhavi,

Department of Mathematics,

Chikkadapally,

Hyderabad.

<div align="right">Tue, Aug 17, 11:13 AM</div>

Amrit Das <amrit.das@vit.ac.in>

to me

Respected Madam,

I am honored by your invitation and will be happy to deliver a talk on this FDP. Meanwhile please let me know what facilities you are providing for an online speaker from your side. It would be highly appreciable for me to have this information from you.

With thanks,

Amrit

Dr. Amrit Das

Assistant Professor, Department of Mathematics,

VIT University, Vellore, India.

https://scholar.google.co.in/citations?user=iMXGlyEAAAAJ&hl=en

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[Message clipped] View entire message

Wed, Aug 18,
2:33 PM

Madhavi Bulusu <madhavibulusu@adc.edu.in>

to Amrit

Thank you very much sir for accepting our invitation.

We are planning to organize the FDP through microsoft teams. In this pandemic situation, for the benefit of the faculty we are making registrations free.

Microsoft teams app should be download in your laptop. As soon as you join, we will make you as a presenter so that you can share your screen,

Wed, Aug 18,
3:51 PM

Amrit Das <amrit.das@vit.ac.in>

to me

Respected Prof.

Thanks for your last email, just one clarification requires to sort out here and it is about the honorarium for a speaker, please let me about it.

Thanks and regards

Amrit.

Dr. Amrit Das

Assistant Professor, Department of Mathematics,

VIT University, Vellore, India.

https://scholar.google.co.in/citations?user=iMXGIyEAAAAJ&hl=en

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From: Madhavi Bulusu <madhavibulusu@adc.edu.in>
Sent: Wednesday, August 18, 2021 2:33:45 PM
To: Amrit Das
Subject: Re: Invitation regarding as a resource person for FDP

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[Message clipped] View entire message

Sat, Aug 21,
4:05 PM

Madhavi Bulusu <madhavibulusu@adc.edu.in>

to Amrit

Good evening professor,

In this pandemic situation, as we are not collecting any registration fee from the participants, we cannot afford any honorarium.

Thank you so much sir if you accept otherwise, we miss your lecture.

Regards,

B. Madhavi,

Department of Mathematics,

Chikkadapally,

Hyderabad.

Amrit Das <amrit.das@vit.ac.in>

Sat, Aug 21, 4:16 PM

to me

Respected Prof.

Thanks to you for sharing the information, Madam, I have no issue at all and will be very happy to participate in your program. Please share all the relevant supplements related to my talk and your FDP.

Best regards

Dr. Amrit Das

Assistant Professor, Department of Mathematics,

VIT University, Vellore, India.

https://scholar.google.co.in/citations?user=iMXGIyEAAAAJ&hl=en

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From: Madhavi Bulusu <madhavibulusu@adc.edu.in>
Sent: Saturday, August 21, 2021 4:05:49 PM

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[Message clipped] View entire message

Mon, Aug 23,
4:30 PM

Madhavi Bulusu <madhavibulusu@adc.edu.in>

to Amrit

Dear Professor,

Thank you so much for your kind heart. I will let you know about the details very soon.

Sat, Sep 4,
11:13 AM

Madhavi Bulusu <madhavibulusu@adc.edu.in>

to Amrit

Good morning Professor,

May I know your contact number?

Amrit Das <amrit.das@vit.ac.in>

to me

Hello Maam,

My contact number is 9774227053.

Best regards

Amrit

Dr. Amrit Das

Assistant Professor, Department of Mathematics,

VIT University, Vellore, India.

https://scholar.google.co.in/citations?user=iMXGIyEAAAAJ&hl=en

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From: Madhavi Bulusu <madhavibulusu@adc.edu.in>
Sent: Saturday, September 4, 2021 11:13:30 AM

...

[Message clipped] View entire message

Amrit Das <amrit.das@vit.ac.in>

to me

Good morning ma'am,

In the webinar, the title of my talk is "Fuzzy set and its applications in optimal decision making problem".

I like to give my talk on 18th Sepetember and any time after 10 AM will be okay for me.

And ma'am one request if you are preparing any poster for your FDP please share it with me.

Best regards

Amrit.

Dr. Amrit Das

Assistant Professor, Department of Mathematics,

VIT University, Vellore, India.

https://scholar.google.co.in/citations?user=iMXGlyEAAAAJ&hl=en

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---

From: Amrit Das
Sent: Saturday, September 4, 2021 3:23:00 PM
To: Madhavi Bulusu

...

[Message clipped] View entire message

Madhavi Bulusu <madhavibulusu@adc.edu.in>

to Amrit

Good moring Professor,

Sure I will share the posture after preparing it. Could you please send your profile sir?

Amrit Das <amrit.das@vit.ac.in>

to me

Respected Maam

PFA.

Best regards.

Amrit

Dr. Amrit Das

Assistant Professor, Department of Mathematics,

VIT University, Vellore, India.

https://scholar.google.co.in/citations?user=iMXGlyEAAAAJ&hl=en

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From: Madhavi Bulusu <madhavibulusu@adc.edu.in>
Sent: Tuesday, September 7, 2021 11:53:18 AM

…

[Message clipped] View entire message

Attachments area