



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

One Day National Online Webinar on Rough Set Theory and Its Applications

**Organized by
Department of Computer Science & Engineering
11-06-2021**

Report on Webinar Organized

Title: One Day National Online Webinar on Rough Set Theory and Its Applications.

Date: 11-6-2021.

Resource Person: Prof. C Rahgavendra Rao, Senior Professor, School of Computer and Information Sciences, University of Hyderabad.

Description of the Program:

Vignan's Foundation for Science Technology and Research is NAAC 'A' grade institution and secured good rank in Engineering category by the National Institutional Ranking Framework (NIRF).

The University as well as our department planned to organize a series of webinars on emerging technologies for faculty and research scholars to improve the research potentiality.

As the part of series of webinars department of Information Technology organized one-day national online webinar on "Rugh Set Theory and Its Applications". This programme has received an overwhelming response. About 250 Faculty members and research scholars from various Central University of Hyderabad, Sate Universities like Krishna University, Adikavi Nanya University, Deemed Universities like VIT, SRM, KLU, Engineering Colleges and Industry have participated.

Dr. K. Hemantha Kumar, Program Coordinator, welcomed all the delegates and participants to the webinar. Mr D Yakubu, introduced the resource person Prof C Raghavendra Rao, Senior Professor, University of Hyderabad.

An initial remark was given by Dr. Venkatesulu Dondeti, Head of the Department, Computer Science & Engineering. In his speech he quoted the usage of Rough Sets in Computer Science Applications. Prof K V K Kishore Dean Library & IT Services addressed the participants. Prof C R Rao sir provided an overview of Rough Set Theory, Reduct Computation, Knowledge Representation and Rule Discovery. Sir is also explained how Rough Sets can be used in Real-time applications like decision making self-driving cars, how to use the rough sets for identification of COVID cases etc.,

Finally, vote of thanks was given by Mrs Tulasi Krishna Sajja, she thanked every participant for their active participation during entire session. She also appreciated program coordinators Dr. K. Hemantha Kumar, Dr M Nirupama Bhat, Dr U Sri Lakshmi, Mr Vijay Babu, Mrs Tulasi Krishna for organizing the webinar in a successful manner. She also expressed the gratitude to the Resource Person, Prof C R Rao, for sharing of latest research issues with all participants. Also, she expressed his sincere thanks to Dr. L. Rathaiah Garu Chairman, Vignan,s group of institutions, Dr Krishna Devarayulu Garu Member of parliament and Vice Chairman, Vignan group of institutions, Vice-Chancellor Dr. M.Y.S. Prasad and HOD, CSE Dr. Venkatesulu Dondeti for given an opportunity to organize this webinar in our campus and hope we will find the support in future also for organizing such kind of activities.

At the end the session the feedback of the participants was very positive and motivational for the organizers. The participants felt very happy for conducting the webinar on "Rough Set Theory and Its Applications". They have learned how to use the Rouh Set concepts in their research problems. They also said that, this program was very useful and helpful for them in their research work and guiding the projects to the students. All the participants appreciated the sessions by our Resource Person and the arrangements made by the organizers.

Snapshots of the Program:

Invitation of the Programme

**National Webinar on
Rough Set Theory and Its Applications**

VIGNAN'S
Association For Scientific, Technological & Research
(Deemed to be University)
Established in 1993

NAAC Accredited A **SHRIRAM** **DIR 100**



**Organised by
Department of CSE**

**Date & Time:
11th June 2021
3:00-4:30 PM**

**Venue:
Online**



Prof. C. R. Rao
University of Hyderabad
Hyderabad

For Registrations: <https://forms.gle/8wnyQ5KzaMhTdek7>

Audience: Faculty, Researchers and IT professionals
Contact No: +91-9490776374, 9985333934

National Webinar on
**Rough Set Theory and
Its Applications**

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Abstract:

Rough set theory has been a methodology of database mining or knowledge discovery in relational databases. In its abstract form, it is a new area of uncertainty mathematics. Rough set approach can be used to discover structural relationship within imprecise and noisy data. This talk provides an over view of Rough sets Theory, Reduct computation, Knowledge Representation and rule discovery. It also demonstrates building of some tools like Decision trees , OCR, Forensics, etc., based on reduct.

Chief Patrons

Dr. L. Rathaiah
Chairman,
Vignan Group of Institutions

Dr. L. Krishnadevarayalu, MP
Vice-Chairman,
Vignan Group of Institutions

Patrons

Dr. K. RamaMurthy Naidu, Chancellor
Dr. M. Y. S. Prasad, Vice- Chancellor
Dr. M. S. Raghunathan, Registrar

Co - Patrons

Dr. D. Venkatesulu, HOD CSE
Dr. K. V. Krishna Kishore, HOD IT
Dr. K. Hemantha Kumar, Deputy-HOD Labs

Co - Ordinators

Dr. K. Hemantha Kumar
Mr. P. Vijay Babu
Mrs. S. Tulasi Krishna

Session Presented By

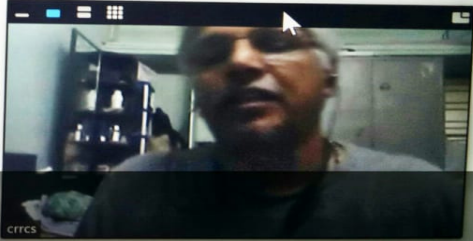
Prof. C. R. Rao
University of Hyderabad
Hyderabad

Vadlamudi, Guntur-522213, Andhra Pradesh, India, Tel:0863-2344700, www.vignan.ac.in

Geo Tagged Shot of the Programme

Rough Sets - membership function

- Let U be the Universe
- Let C be a Relation
- Let U/C be the Partition(of U) induced by C
- $U/C = \{C_1, C_2, \dots, C_k\}$
- Union of C_i 's is U
- Intersection of C_i and C_j ($i \neq j$) is null.
- A be a sub set of U .
- $A_L = \{x \mid \mu_A^C(x) = 1, x \in U\}$
- $A_U = \{x \mid \mu_A^C(x) > 0, x \in U\}$
- $A_n = \{x \mid \mu_A^C(x) = 0, x \in U\}$



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Thank You

C. Ragahvendra Rao

Senior Professor
University
Hyderabad

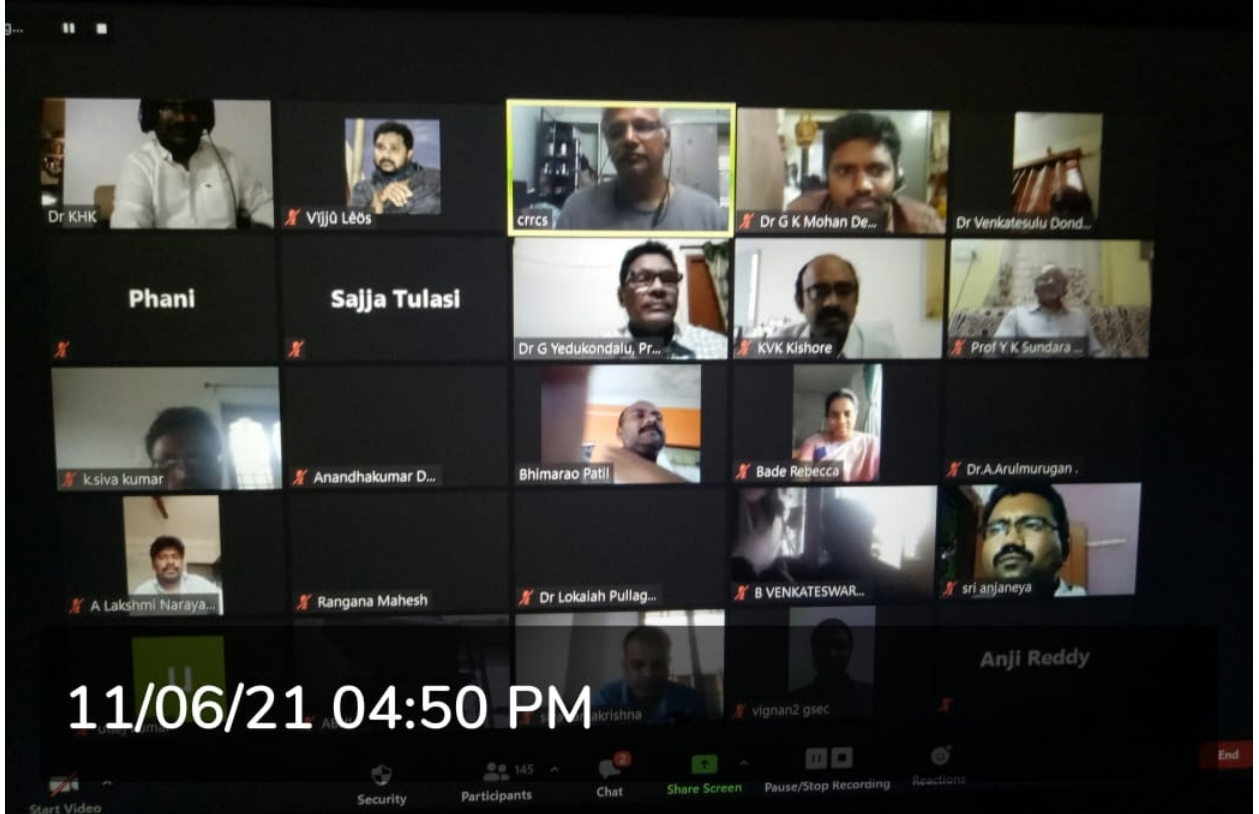
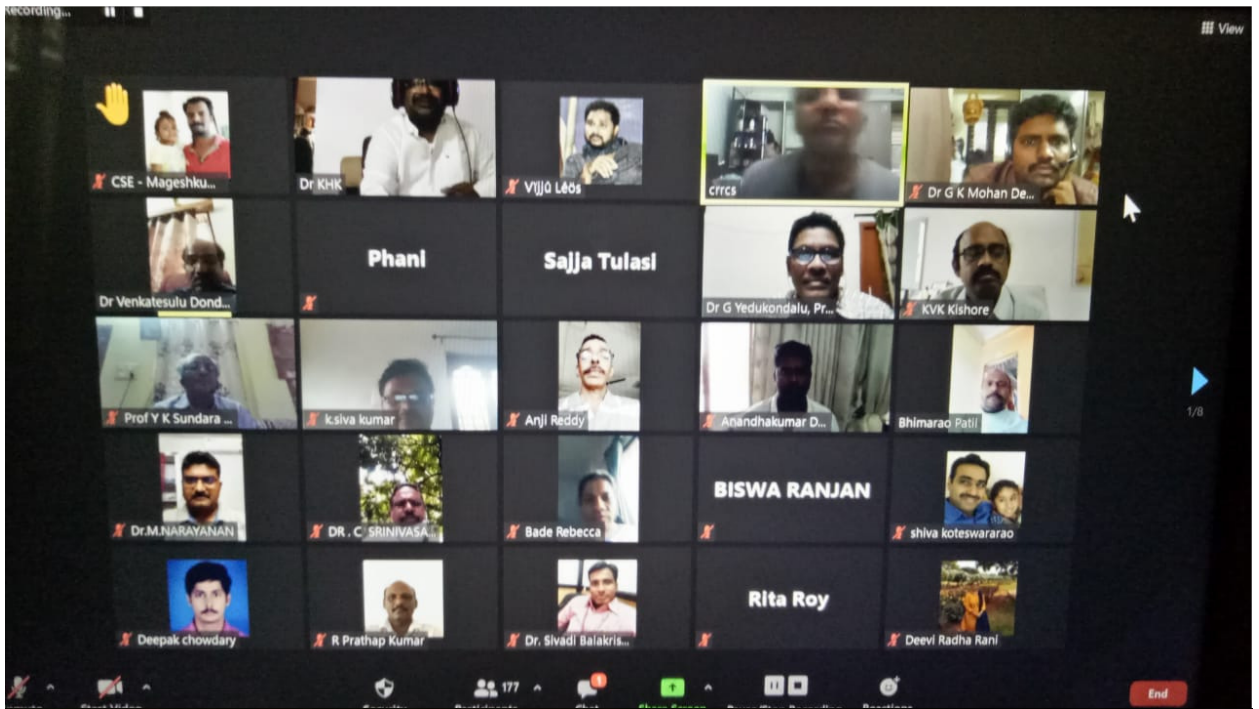


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Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Reactions End



Recording... Dr KHK is talking...

Rita Roy	Deevi Radha Rani	vignanz dsec	S N Lakshmi Mall...	Sajida S
V RAMAKRISHNA ...	KRISHNACHAIT...	Dr Padma Yenuga	Kiran Kumar Kaveti	premamayudu
A.Radha Krishna	Hima Peethala	Nazma	Sujatha bandaru	Taarak
GANDHI ONGOLE	Jhansi Laxmi	KVR	Ekkurthi Sujatha	ABHI
Adusumalli Hima...	A Lakshmi Nara...	Dr.A.Vijayaraj	Dr Lokalah Pull...	uttej kumar

2/8

Unmute Start Video Security Participants 177 Chat Share Screen Pause/Stop Recording Reactions End