



**Sri G.V.G. Visalakshi College For Women, Udumalpet - 642128**

**Autonomous and Affiliated to Bharathiar University, Coimbatore**

**Accredited at A+ Grade by NAAC (Fourth cycle)**

**An ISO 9001:2015 Certified Institution**

[www.gvgvc.ac.in](http://www.gvgvc.ac.in); [principal@gvgvc.ac.in](mailto:principal@gvgvc.ac.in)

Ph.04252-223019, Fax: 04252-233111

**Department of Mathematics(Aided)**

**DBT Sponsored online Webinar on**

**“Basics of Fuzzy Logic and Some Applications”**

**24.09.2021**

**SRI G.V.G VISALAKSHI COLLEGE FOR WOMEN**  
(Autonomous)  
Accredited at A<sup>+</sup> grade by NAAC (4<sup>th</sup> cycle)  
An ISO 9001:2015 Certified Institution Udumalpet-642128

**DEPARTMENT OF MATHEMATICS**  
Organises  
**DBT Sponsored**  
**Online Webinar**  
on  
**“Basics of Fuzzy Logic and Some Applications”**  
Date: 24.09.2021 Time: 10.30-12.00 noon.

  
**Resource Person**  
**Dr V Lakshmana Gomathi Nayagam**  
Associate Professor and Head  
National Institute of Technology,  
Tiruchirappalli

**Registration Link**  
<https://meet.google.com/haz-xrpx-yub>

**Dr. P. Jayalakshmi, Asst. Prof.**  
Programme Co-ordinator

**Mrs. S. Kalaiselvi**  
Head of the Department

**Dr. N. Rajeswari**  
Principal

**Organizing Committee**

Dr.R. Angel Joy, Associate Professor	Mrs.R.D.Beulah, Assistant Professor
Mrs.B. Kalaiselvi, Associate Professor	Mrs.J.P.Theempaava, Assistant Professor
Mrs.P.Padmavathi, Assistant Professor	Mrs.D.Kavitha, Assistant Professor
Dr.V.Pankajam, Assistant Professor	Mrs.S.Deivanayaki, Assistant Professor
Dr.A.Kalavathi, Assistant Professor	Ms.S.Saranya, Assistant Professor
Dr.R. Baranitha, Assistant Professor	Mrs.A.Kowsalya, Assistant Professor

## Report

### BASICS OF FUZZY LOGIC AND SOME APPLICATIONS

RESOURCE PERSON : DR. V. LAKSHMANA SUNDARI NAYAGIRI  
Associate Professor and Head  
Department of Mathematics  
National Institute of Technology  
Trichinapalli.

DATE : 24.09.2021

TIME : 10:30 - 12:00 noon

MODE : GOOGLE MEET [<https://meet.google.com/haz-xop-x-ytkj>]

NO. OF BENEFICIARIES: 107

The webinar started from the background of what really the fuzzy set theory is where many of its applications are learned. The concepts of binary logic is highlighted with examples. Thereafter multi valued logic and fuzzy sets is elucidated. A perceptive explanations on the concept of fuzzy logic was given with many applications.

S. Kalaiselvi  
Head of the department

Department co-ordinator: P. J. K. S.

Rajivani  
Principal  
PRINCIPAL  
SRMVB VISALAKSHI COLLEGE  
FOR WOMEN (AUTONOMOUS)  
VENKATESA MILLS POST,  
UDUMALPET - 642 128

## Screenshots:


The screenshot shows a Google Drive video player interface. The video title is "haz-xrpx-yub (2021-09-23 at 21:58 GMT-7)". The video content is a presentation slide titled "BASICS OF FUZZY LOGIC AND SOME APPLICATIONS". The presenter is V. Lakshmana Gomathi Nayagam, from the Department of Mathematics at National Institute of Technology Tiruchirappalli. The slide includes the URL <http://www.nitt.edu/> and the email [velulakshmanan@nitt.edu](mailto:velulakshmanan@nitt.edu). A small video inset shows the presenter. The Windows taskbar at the bottom shows several open documents and the system clock at 2:49 PM on 2/8/2022.

The screenshot shows a Google Drive video player interface. The video title is "haz-xrpx-yub (2021-09-23 at 21:58 GMT-7)". The video content is a presentation slide titled "INFERENCE : MORE IMPLICATION OPERATORS". The slide lists three types of implication operators: (F14) Mamdani implication:  $f(a,b) = \min(a,b)$ , (F15) Larsen implication:  $a \cdot b$ , and (F16) Standard sequence Implication:  $f(a,b) = \begin{cases} 1, & \text{if } a \leq b \\ 0, & \text{if } a > b \end{cases}$ . A Venn diagram with two overlapping circles is shown next to the Mamdani formula. A small video inset shows the presenter. The Windows taskbar at the bottom shows several open documents and the system clock at 2:47 PM on 2/8/2022.

haz-xrpx-yub (2021-09-23 at : X) haz-xrpx-yub (2021-09-23 at : X) Search results - jayagvg@gnm... X Search results - Google Drive X Search results - mathsgvg@g... X

drive.google.com/file/d/17Fc8NDNeaMH2FihQ3QNgPXICV6ULspla/view

haz-xrpx-yub (2021-09-23 at 21:58 GMT-7) Open with



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Desktop 2:48 PM 2/8/2022