GP

CLASSES OF EDUCATION

QUALITY EDUC

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each sample point in

ple :- Tossing a fair

Sample Space

A Random Variable wh

or at most Countable

is called discrete ra

Example :- (i) No. of hea

Two coin are Toss

(ii) No of defectiv

Ex four bad arrangem

16 Good arrangms fi

the No. of bad arra

Random Variable

Random Variable is a real valued function which assign a real number to each sample point in the sample space

Example :- Tossing a fair coin thrice then sample space

Discrete Random Variable :-

A Random Variable which takes finite or at most countable number of values is called discrete random variable

Example :- (i) No. of head obtained when Two coin are Tossed

(ii) No of defective items in a lot

Ex four bad oranges are mixed with 16 Good oranges find Prob. Distn of the No. of bad oranges

Random Variable

Random Variable is a real valued function which assign a real number to each sam... in the Sample Space

Example :- ...air coin thrice then ...pace

...H, THH, HTT, THT, TTH, TTT)

X	No. ...
...	

Discrete Random Variable :-

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Example :- (1) No. of head obtained when Two coin are Tossed

(11) No of defective items in a lot

Ex four bad oranges are mixed with 16 good oranges find Prob. Distn of the No. of bad oranges

Random Variable

Random Variable is a real valued function which assign a real ... to each sample point in ... space

Example :- Tossing a fair co... then Sample space

$S = \{HHH, HHT, HTH, ... TTH, TTT\}$

$X(S_1) = 3$

$X(S_2) = X(S_3) = X(S_4) = 2$

$X(S_5) = X(S_6) = X(S_7) = 1$

$X(S_8) = 0$

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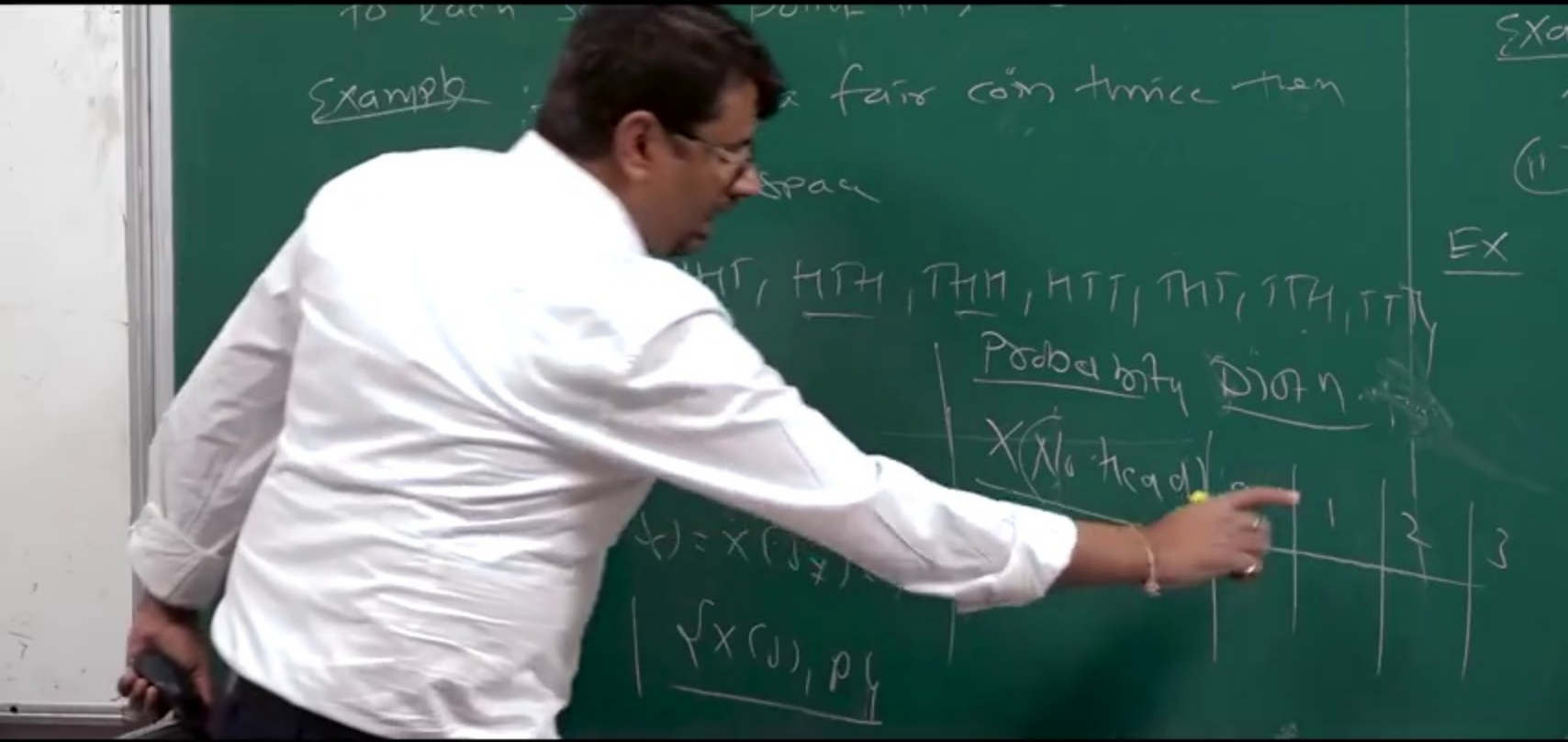

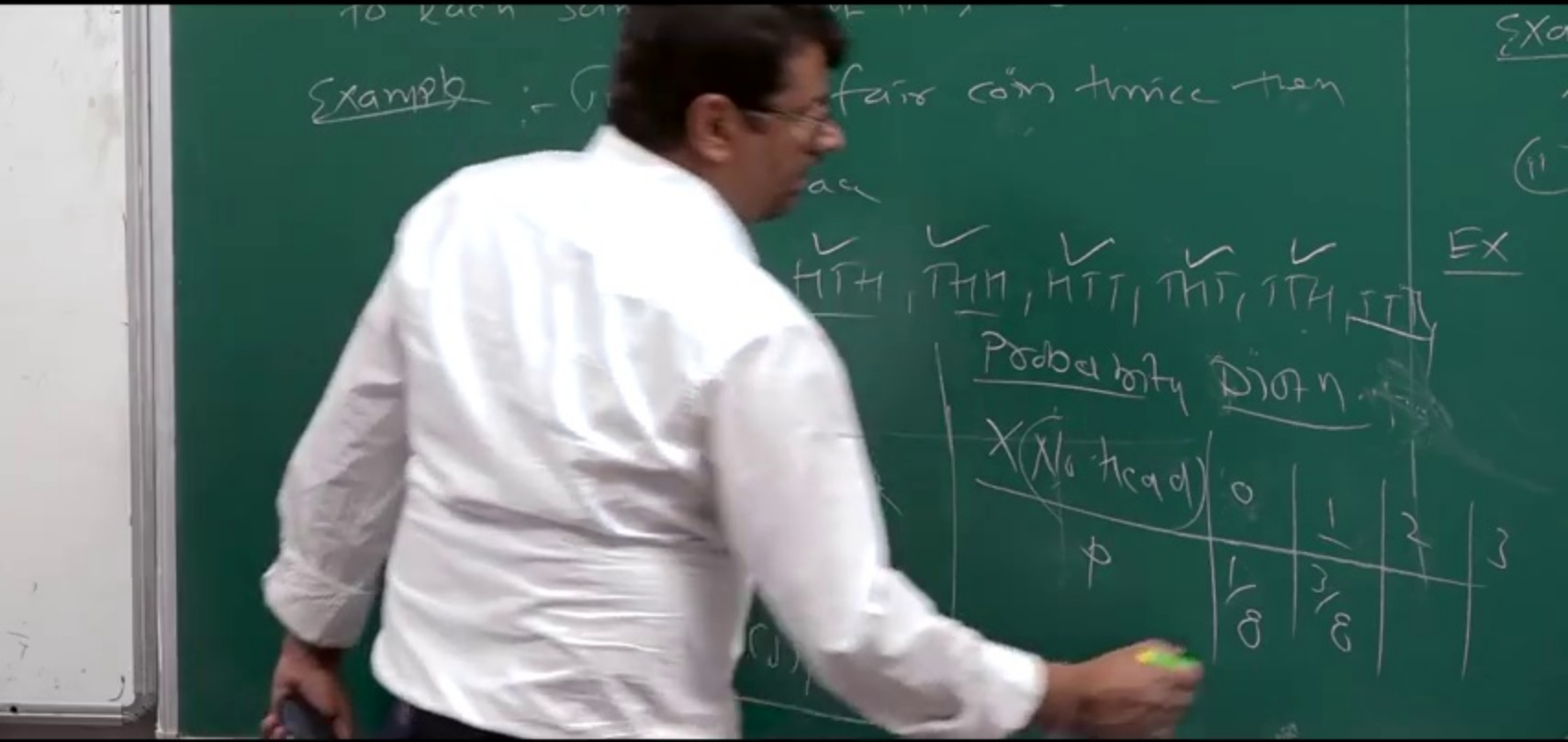

Random Variable

Random Variable is a real valued function which a... real number to each sample ... the Sample Space

Example :- Tossing a coin thrice then Sam...

$S = \{HHH, HHT, HTH, HTT, THH, THT, TTH, TTT\}$

$X(S_1) = 3$

$X(S_2) = X(S$

$X(S_5) = X($

$X(S_8) = 0$

Probability Distn ...

(No. Head)	0	1	2	3
p	1/8	3/8	3/8	1/8

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$\int X(S), pf$

Probability Distn.

X (No. of head)	0	1	2	3
p	$1/8$	$3/8$	$3/8$	$1/8$

Ex Four bad oranges are mixed with 16 Good oranges find Prob. Distn of the No. of bad oranges

X (No of bad oranges)	0