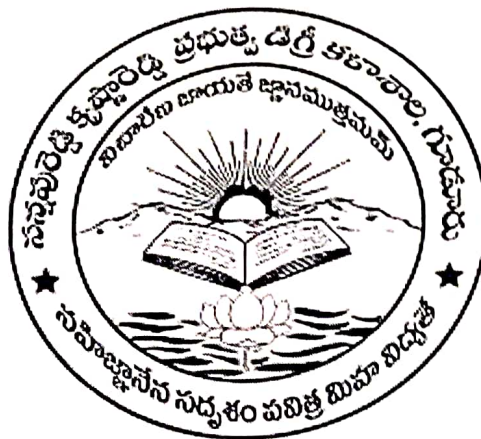


S.K.R GOVERNMENT DEGREE COLLEGE GUDUR

TIRUPATHI DISTRICT



A MINI STUDY PROJECT REPORT

on

AWARDS IN MATHEMATICS

DEPARTMENT OF MATHEMATICS

2022-2023

S.K.R GOVERNMENT DEGREE COLLEGE, GUDUR

DEPARTMENT OF MATHEMATICS

CERTIFICATE

This is to certify that the STUDYPROJECT entitled

AWARDS IN MATHEMATICS

is the bonafied work done

By

T.SWAPNA of I B.SC(MPCS)

This work has been carried out under my guidance



Smt.S.Kiranmaiye
Lecturer & Incharge ,
Dept. of Mathematics
S.K.R Govt. Degree College,
GUDUR.Tirupati Dist.

1. Fields Medal
2. Abel Prize
3. ICTP Ramanujan prize

FIELDS MEDAL

The fields Medal is a prize awarded to two, three or four mathematicians under 40 years of age at the International congress of the International Mathematical union [IMU], a meeting that takes place every four years. The name of the award honours the Canadian mathematician John Charles Fields.

Awarded for : Outstanding contributions in mathematics attributed to young Scientists.

Presented by: International Mathematical union

Reward(s) : CA\$15,000

First Awarded: 1936

Last Awarded: 2022

The fields medal is regarded as one of the highest honours a mathematician can receive, and has been described as the Nobel Prize of Mathematics, although these

are several major differences, including frequency of award, no of awards, age limits, monetary value, and award criteria. According to the annual Academic Excellence Survey by ARWU, The Fields Medal is consistently regarded as the top award in the field of mathematics worldwide, and in another reputation Survey conducted by IREG in 2013-14, the Fields medal came closely after the **Abel Prize** as the 2nd most prestigious international award in mathematics.

The medal was first awarded in 1936 to Finnish mathematician Lars Ahlfors and American mathematician Jesse Douglas, and it has been awarded every 4 years since 1950. The most recent group of Fields Medalists received their awards on 5 July 2022 in an online event which was live-streamed from Helsinki, Finland.

ABEL PRIZE

The Abel Prize is awarded annually by the King of Norway to one or more outstanding mathematicians. It is named after the Norwegian mathematician Niels Henrik Abel (1802-1829) and directly modeled after the Nobel prizes. It comes with a monetary award of 7.5 million Norwegian kroner.

Awarded For : Outstanding Scientific work in the field of mathematics.

country : Norway

presented by : government of Norway

first awarded : 2003

The Abel Prize's history dates back to 1899, when its establishment was proposed by the Norwegian mathematician Sophus Lie when he learned that Alfred Nobel's plans for annual prizes would not include a prize in mathematics. In 1902, King Oscar II of Sweden and Norway indicated his willingness to finance the creation of a mathematics prize to complement the Nobel prizes, but the establishment of the prize was prevented by the dissolution of the union between Norway and Sweden in 1905.

The award ceremony takes place in the aula of the university of Oslo, where the Nobel peace prize was awarded between 1947 and 1989. The Abel prize board has also established an Abel symposium, administered by the Norwegian Mathematical Society, which takes place twice a year.

ICTP RAMANUJAN PRIZE

The DST - ICTP - IMU Ramanujan prize for young mathematicians from developing countries is a mathematics prize awarded annually by the International Centre for Theoretical Physics in Italy. The prize is named after the Indian mathematician Srinivasa Ramanujan.

The prize is awarded to researchers from a developing country less than 45 years of age who has conducted outstanding research in a developing country. The prize is supported by the ministry of science and Technology [India] and Norwegian Academy of science and Letters through the Abel fund, with the cooperation of the International Mathematical union.

Sponsored by: International centre For Theoretical physics (ICTP), Department of science and Technology of the Govt. of India (DST), International mathematical union [IMU]

Eligibility: Less than 45 years of age on 31 December of the year of the award and has conducted outstanding research in developing countries.

Award(s): Lecture and US\$15,000 to support the research of the recipient

First awarded: 2005

Most recently awarded: 2022

NEENA GUPTA [Mathematician]

Neena Gupta (born in 1984) is a professor at statistics and Mathematics unit of the Indian Statistical Institute (ISI), Kolkata. Her primary fields of interest are commutative algebra and affine algebraic geometry.

Born : 1984 (age 38-39) Kolkata, West Bengal, India

Education : Ph.D., M.Math., B.Sc. (Hons)

Alma mater : ISI, Bethune College

Scientific Career

Fields : Mathematics, commutative algebra, affine algebraic geometry

Institutions : ISI, TIFR

Awards & Honors

* 2nd Ganit Ratna Award (2023)

* Invited Speaker at the International Congress of Mathematicians (ICM) 2023.

* Naxi Shakti Puraskar (2021) by the President of India on 8 March 2022.

* The inaugural professor A.K. Agarwal Award for best research publication by the Indian Mathematical Society (2014).

Fellow of the Indian Academy of Sciences (2021).

* The Swarna Jayanti Fellowship Award, Department of Science and Technology (India) (2015).