



Indira Gandhi Centre for Atomic Research



Annual Report 2022



Government of India
Department of Atomic Energy
Indira Gandhi Centre for Atomic Research
Kalpakkam - 603 102

VI.13 Aazadi ka Amrit Mahotsav and DAE Iconic Week

Azadi ka Amrut Mahaotsav Anu Yatra (AKAM AnuYatra)

As a part of Azadi ka Amrit Mahotsav celebrations, IGCAR has organised a sequence of awareness programs to showcase and celebrate the technology development carried out and transfer of certain technology in the application of societal benefits by Department of Atomic Energy for the past 75 years after independence. The program is organised in association with A.P.J. Abdul Kalam International Foundation, Rameswaram, The Tamil Nadu Ariviyal Sangam and Indian Association for Radiation Protection. The program is started with curtain raiser event at Kalpakkam on 23th July' 2022 and culminated at Kudankulam on 12th Aug' 2022 covering 1100 km in 10 nodal institutions. The sequential venues (colleges) along with event dates and the route map of the program is given in Fig. 1.

The program is a two days event in each nodal institutions comprising of various competitions and exhibition. The nodal institutions were asked to coordinate with schools and colleges in their educational divisions to participate in the program. The nodal institutions are identified with the help of Tamil Nadu Ariviyal Sangam. The program is organized in each institution by inviting a nodal personality as a chief guest of their choice and AD/GD

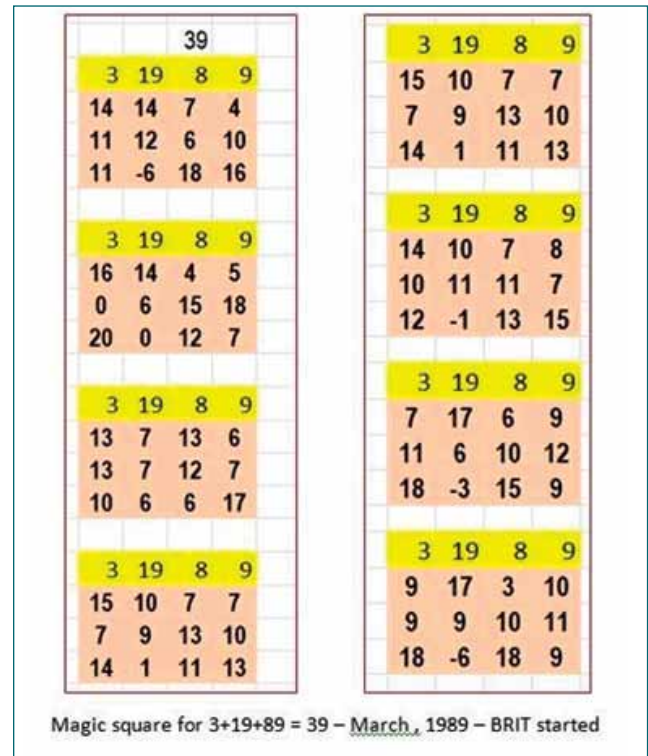


Fig. 2: Magic square.

level officials of IGCAR along with a crew of officers for the conduction of events and interactions. The overall footfall for the events would be 20,000.



Fig. 1: DAE ICONIC Week celebrations

Generation of Magic Square - 750 Squares using 75 iconic dates of DAE with 75 Students

IGCAR has organized one day event on “Generation of Magic Squares” of 750 squares with 75 students from nearby eight Govt. Higher Secondary Schools of Kalpakkam, using 75 important dates of milestone activities of different units of DAE. The event is conducted on 22nd Aug’ 2022, in Higher Sec School, Sadurangapattinam. The program is conducted by a mathematician Shri. Jothi Lingam, Retd., Station Master, Indian Railway. In this event 4 x 4 matrices were created using month and year of the milestone dates. Eg. Aug 1948–AEET Established- 8+19+4+8=39 (magic square with sum 39) as shown in Fig. 2. A Tamil Song about Atoms in the service of Nation was composed by a Tamil Teacher from Pavalaru Tamil School, Kalpakkam and sung by the same school Children of 1st standard.

Sand art sculpture

As a part of Azadi ka Amrit Mahotsov (AKAM) -DAE ICONIC week Celebrations, IGCAR and GSO, have organized a sand art sculpture in the Kalpakkam beach during 27th -28th Aug, 2022 depicting various technologies of DAE applied to the societal benefits, highlighting contribution to power sector, agriculture, health and technology development. The sculpture was inaugurated by RDO, Chengalpattu Smt. Shajeevana IAS in the presence of President of Pudupattinam Panchayat, Senior Commandant, CISF and officials of IGCAR & GSO, Principals and students of AECS and KVs. Flood light arrangements were made. Wide publicity was given. There were more than 20000 foot falls from the residents of DAE Townships, Pudupattinam and Sadurangapattinam villages (Fig. 3).



Fig. 3: Sand sculpture of various technologies of DAE.



Fig. 4: Anu Walkathon at Elliot's Beach, Chennai.

ANU Walkathon of AKAM

During DAE’s Iconic Week celebrations from 27th -28th Aug, 2022, various activities were executed by the Centre to popularize the activities of the Department. Anu Walkathon was one of the activities conducted at Rajaji Bhavan and Elliot’s beach, Chennai on 28th August 2022 (Fig. 4).

DAE exhibition during 88th Annual Meeting of the Indian Academy of Sciences

DAE Exhibitions were held at SRM University - AP during 3rd - 6th November 2022 on the occasion of the 88th Annual Meeting of the Indian Academy of Sciences. 21,455 students from different Schools, ITIs, Polytechnics and Colleges from the districts of Krishna and Guntur visited the Exhibitions. Further, the event received excellent media publicity covered in 52 regional and national dailies / TV Broadcasts.

Upgradation of the Information Centre

IGCAR DAE Information Centre is being set up at Shastri Bhavan, Chennai, which houses around 65 Central government offices. The primary objective of the centre is to provide a facility to the general public that highlights various accomplishments of the Department of Atomic Energy. The exhibits and audio visual displays at this Centre would help the visitors to understand the seminal contributions made by the Department of Atomic Energy in deploying radio isotopes to agricultural and industrial applications besides the key attributes of nuclear technology. Currently this centre houses many displays which include both textual narrations as well as interactive working models with audio descriptions on Nuclear Reactor systems and many key components that were indigenously developed by various units of the Department of Atomic Energy including BARC and IGCAR.