



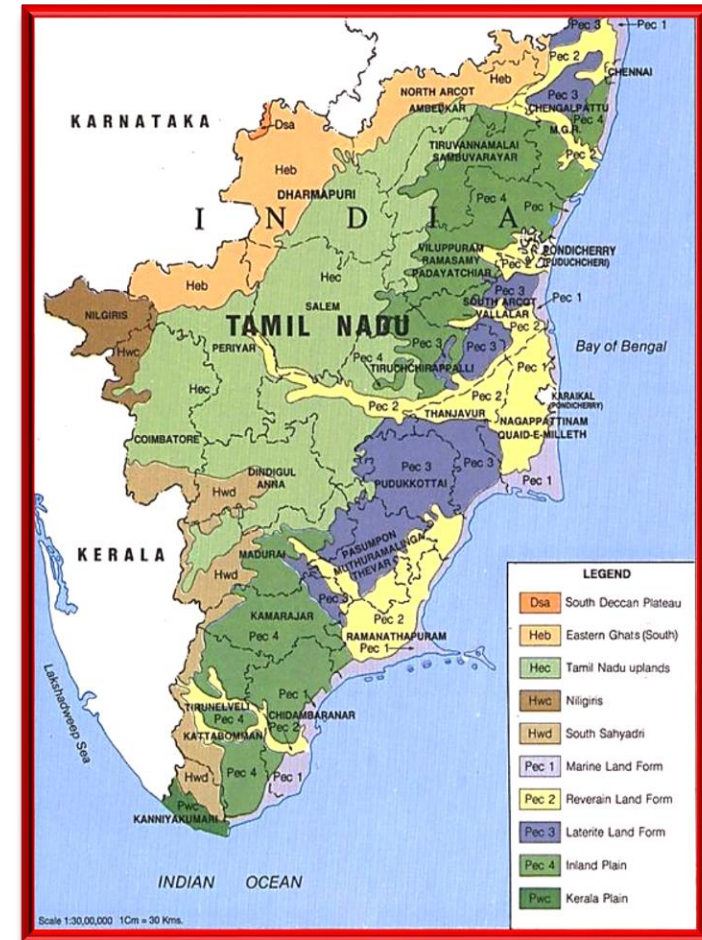
CESTAHS

**Centre for Science and Technology
for Advanced Heritage Studies**

**“Exploring the roots of heritage through
the lens of Science and Technology”**

About CESTAHS

Anna University is one of the oldest and leading technological universities in India with international attraction with number of departments and centers carrying out academia in vital disciplines related to heritage studies such as Department of Applied geology, Institute of Remote Sensing, Aeronautic Engineering MIT, Department of civil Engineering, Mechanical (Materials Science), Mining engineering, Physics, Computer science. This Centre emphasis to carry out cutting edge S&T enabled inter-institutional and inter-disciplinary research studies in surface, sub surface, under water and doubtful archeological sites to build up time series evolutionary models on the heritage.



Vision of CESTAHS

Will strive to serve as a world class Research centre to provide authentic reliable information about our ancient culture and heritage complying with international ethical and quality standards and also produce Human Resources with unmatched capabilities to unravel the mysteries of the our heritage utilising the latest scientific and technological tools.



Missions of CESTAHS

- Create an Environment which will enable to utilize the expertise avail in the diverse fields involved like Geology, Anthropology, Archaeology, Literature, Epigraphy, Remote Sensing, Carbon Dating, DNA and others in an effective and meaning full manner to fulfil the objectives.
- To procure install and use the state-of-the-art equipment for experimentally acquire and analyse the data necessary to fulfil our objectives.
- To freely use latest tools in such large scale investigations such as AI and Data science so that the whole process can be reasonably quickened and results validated to meet the objectives.
- To create a very healthy and conducive environment and facilities for perusing excellent academic and research activities to fulfil the objectives.



Director's Desk



Dr. G. Velraj, M.Sc., Ph.D., F.S.Sc., F.A.Sc.,
Professor & Director
Department of Physics,
CEG Campus, Anna University, Chennai.

Welcome to the Centre for Science and Technology for Advanced Heritage Studies.

It is with great pleasure and enthusiasm that I extend a warm welcome to all visitors, scholars, and future researchers exploring our website. Our Centre is dedicated to pioneering research and innovative applications in the preservation, conservation, and study of our global heritage through the lens of advanced science and technology.

In today's rapidly evolving world, the intersection of heritage and technology is more crucial than ever. We are at the forefront of harnessing cutting-edge technologies—such as 3D scanning, digital archiving, artificial intelligence, and materials science—to protect and enhance our understanding of cultural heritage. Our mission is not only to safeguard the past but also to make it accessible and relevant to future generations.

Executive Committee Members

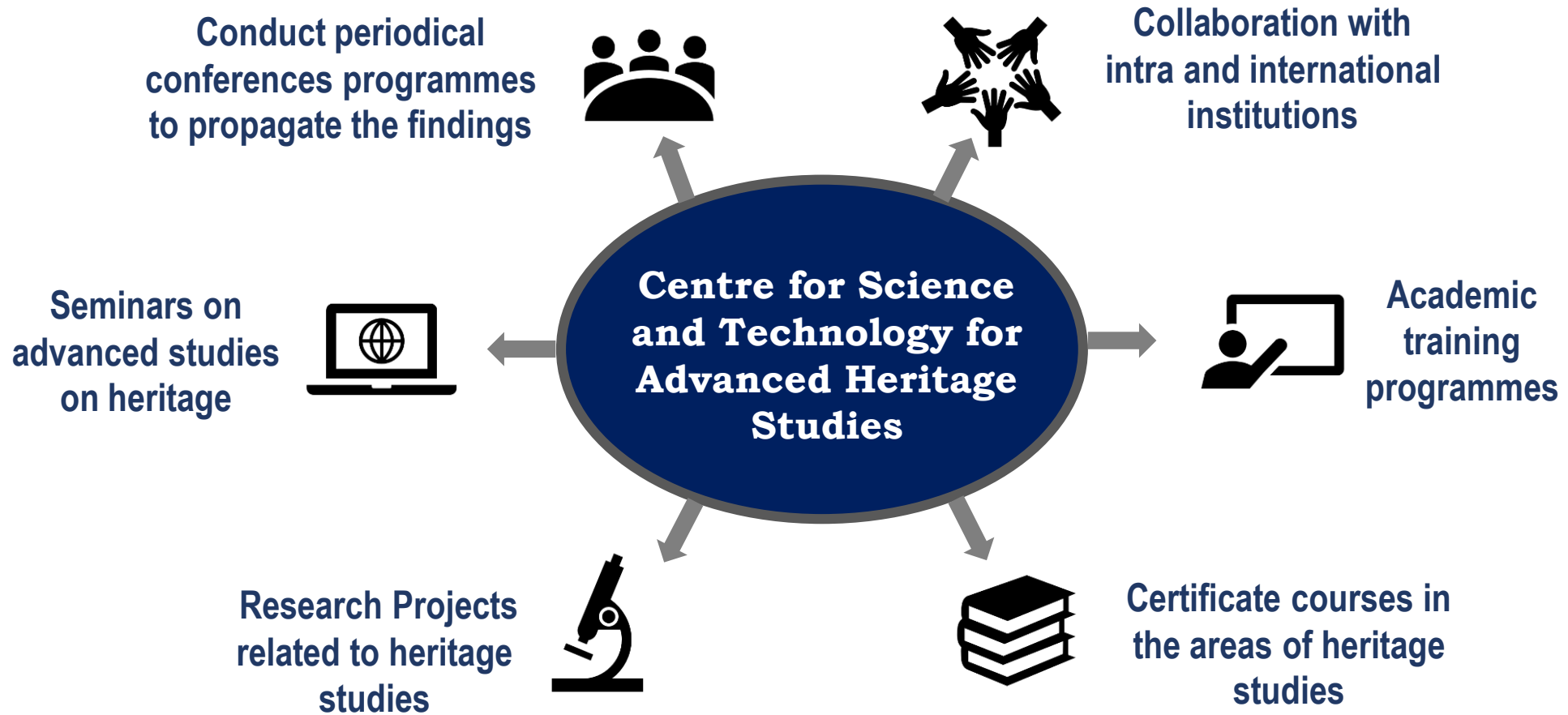
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|---|--------------------|
| 1. The Honourable Vice Chancellor,
Anna University,
Chennai – 600 025. | Chairman |
| 2. The Registrar,
Anna University,
Chennai – 600 025. | Ex- officio Member |
| 3. The Finance Officer
Anna University,
Chennai – 600 025. | Ex- officio Member |
| 4. The Dean,
CEG Campus,
Anna University,
Chennai – 600 025. | Ex- officio Member |
| 5. The Director,
Planning and Development,
Anna University,
Chennai – 600 025. | Ex- officio Member |

6. Prof. Dr. S. M. Ramasamy, Member
(Former Vice-Chancellor/ GRI, National
Co Ordinator, Project POOMPUHAR) &
Professor of Eminence. Department of Remote Sensing,
Bharathidasan University , Tiruchirappalli 623 023

7. Mr. C R Deepak Member
Scientist – F & Group Head,
Engineering Design Group,
National Institute of Ocean Technology,
Velacherry – Tambaram Main Road, Narayanapuram,
Pallikaranai, Chennai - 600 100.

8. Dr. A. Vivekananth, Member
Technical Director, LTI Mindtree,
4th Floor CRR Building,
L&T Constructions,
Mount Poonamalle Road ,
Manapakkam,
Chennai - 600 089

9. Mr. M. Kalimuthu,
Superintending Archaeologist,
Archaeological Survey of India,
Chennai Circle, Fort St. George,
Chennai – 600 009. Member
10. Dr. D. Thirumalaivasan,
Professor & Director,
Institute of Remote Sensing,
Anna University,
Chennai – 600 025. Member
11. Prof. Dr. G. Velraj,
Director,
Centre of Science and Technology for Advanced
Heritage Studies (CESTAHS),
Anna University,
Chennai – 600 025. Member Secretary



Activities

COLLABORATING INSTITUTIONS



Annamalai University
Chidambaram



Bharathidasan University
Tiruchirappalli



Bharathiar University
Coimbatore



National Institute of Ocean Technology (NIOT) Govt. of India
Chennai



National Institute of Oceanography (NIO) Govt. of India
Goa



Physical Research Laboratory Govt. of India
Ahmedabad



Tamil University
Thanjavur



Geological Survey of India (GSI) Chennai & Mangalore (Marine Wing)

Projects



ESR dating of archaeological samples recently excavated in South India.

UGC, Rs. 6,15,703, UGC/ 37-301/2009 (SR) dated 31.03.2010 & Revised 28.05.2012.

2010-2013, Three Years (Completed)



Provenance studies and Determination of Iron concentration in Archaeological artifacts using NAA to subject the samples Archaeomagnetic dating,

DAE-BRNS, Rs. 20,68,000, BRNS/2012/37C/59/BRNS/2826 dated 26.02.2013 & Revised dated

2013-2016 Three Years (Completed)

Faculty

Advisory/Expert Committee Members

Dr. T.R. Jagadeesan, Professor, Director retired, Anna University , Chennai

Dr. S.M.Ramasamy, Professor, Former Vice-Chancellor/GRI, Bharathidasan University, Tiruchirappalli

Dr. S. Sanjeevi, Professor , Retired, Anna University ,Chennai

Dr. M. Kalimuthu, Superintending Archaeologist ASI, Chennai

Dr. D.Rajaselkhar, Head, National Institute of Ocean Technology, Pallikaranai, Chennai

Dr. D.Ramesh, National Institute of Ocean Technology, Pallikaranai, Chennai

Dr Ponnaiko, Vice Chancellor (Former), Bharathidasan University Trichy

Dr .Sundaresh, Head CSIR-National Institute of Oceanography, Goa

Dr Arul Natarajan, Directorate of Tamil Development, Chennai

Mr. R. Bhaskaran, Additional Director General (Rtd), Geological Survey of India, Chennai

Dr. C.J.Kumanan, Prof (Retd), Technical Advisor , Bharathidasan university, Tiruchirappalli

Dr. Rajavelu, Prof (Retd), Tamil University , Thanjavur

Dr. T. Devi , Prof and Head , Bharathiar university , Coimbatore

Mr Paul C Pandian, CEO Trans Global Technology Inc Dallas USA

Mr D Ganasekaran, Alumni CEG Anna University

Dr. Orissa Balu , Freelance Geophysicist

PERSONALS INVOLVED



Dr. L Suganthi
Professor and Former Dean ,CEG



Dr. D.Thirumalaivasan
Professor and Director, IRS



Dr. T Subramani
Professor and HOD Dept. of Geology



Dr. V. Kumaresan
Professor Mechanical Engineering



Dr. M. Mutharam
Professor Head, Soil Mechanics



Dr. G. Kalpana
Professor HOD. Dept. of Physics



Dr. R.Vidhya
Professor IRS



Dr. R.Baskaran
Professor Dept. of CSE



Dr. R.Vidya
Dept. of Physics



Dr. P. Balamadeswaran
Dept. of Mining



Dr. J. Sudha
Mechanical Engineering



Dr. Lenin Kalyana Sundaram
Dept. of Civil



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