

# SHASTHRAYAAN

അറിവ് ജനങ്ങളിലേക്ക്

OPEN HOUSE DAYS AND SCIENCE FESTIVAL



## REPORT OF ACTIVITIES

*Venue*

Karyavattom Campus, University of Kerala

*Dates*

15-16 February 2018

*Organised by*



**UNIVERSITY OF KERALA**

(Reaccredited by NAAC with 'A' Grade)

*Supported by*



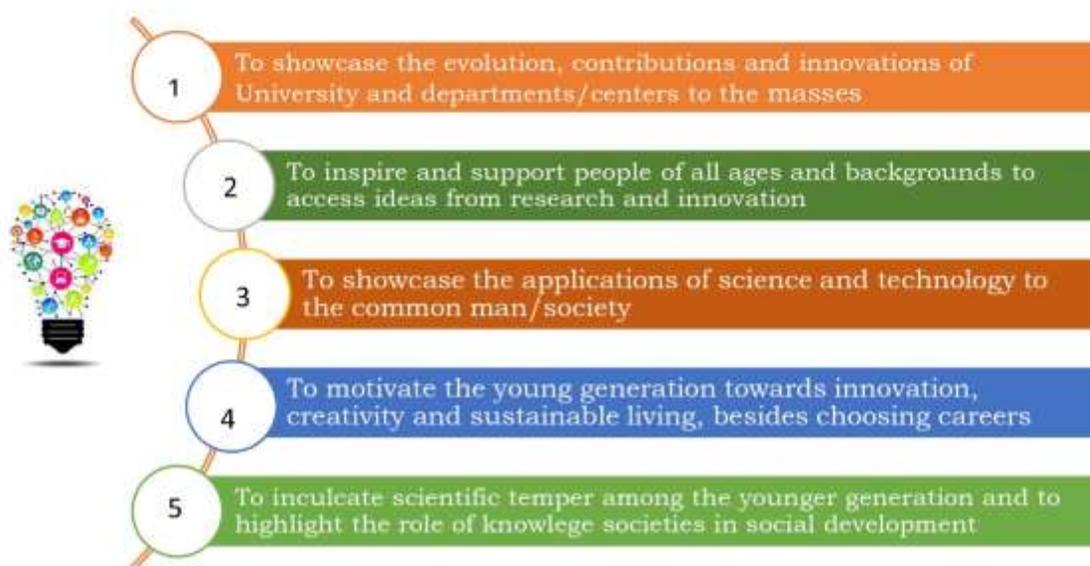
**Rashtriya Uchcharat Shiksha Abhiyan (RUSA)**

## OVERVIEW

The University of Kerala, Mother University of the state, has crossed a land mark in its history as it turned 80 years old on 1<sup>st</sup> November, 2017. Founded as University of Travancore in 1937, this University has been at the forefront of the renaissance of the Kerala society during the 20<sup>th</sup> century and contributed immensely towards human resource development in multiple sectors. In line with its motto “Karmani Vyajyathe Prajna” (Wisdom manifests in action), the University of Kerala is re-accredited by National Assessment and Accreditation Council (NAAC) with ‘A’ Grade. Further, the University is ranked 29<sup>th</sup> among Indian Universities by the National Institutional Ranking Framework (NIRF) in 2017, the highest rank of any University in Kerala, besides ranked in the band 800-1000 among world universities by TIMES World University Rankings. The University of Kerala was ranked first (in 2015) and second (in 2016) in the Chancellor’s Award for best University in the State of Kerala.

Open House days and science festival are the means of reach out to the students and public, to showcase the evolution of the mother university, to communicate the academic and research contributions and to provide a platform for interaction between the academic community and people. The programme was organised by University of Kerala on **15-16 February 2018** to highlight the innovative practices followed by the university, its various departments and societal applications of research, especially in the fields of science and technology. Further, the programme also tried its own way to inculcate scientific temper among students, besides providing career advices for the youngsters.

## AIMS AND OBJECTIVES OF THE PROGRAM



## **VISION**

A world where the complexity, wonder and opportunities of scientific and academic research are explored, challenged, celebrated and enjoyed across society

### **Committee for the implementation**

Based on the letter No. 182/2017/RUSA-SPD dated 8.11.2017 from Kerala State Rashtriya Uchchatar Shiksha Abhiyan (RUSA) Project Directorate, University of Kerala has constituted a committee to implement Shasthrayaan, after convening a meeting of Head of the Departments (Order No. PLD/4057RUSA/2017 dated 28.11.2017), with the following members:

1. Dr. A. Biju Kumar, Dean, Faculty of Science and Professor and Head, Department of Aquatic Biology and Fisheries (Co-ordinator)
2. Dr. Joseph Antony, Associate Professor and Head, Department of Political Science.
3. Dr. S. Sankararaman, Reader & Head (in-charge), Department of Nano Science and Nanotechnology
4. Dr. T. Vijayalakshmi, Assistant Professor and Head, Department of Tamil
5. Dr. Sabu Joseph, Associate Professor, Department of Environmental Sciences
6. Dr. Harikumar, Assistant Professor and Head (in-charge), Department of Communication and Journalism
7. Dr. Rasia Beegum, Professor & Head, Department of Commerce

The team worked under the supervision of Vice Chancellor, Registrar, Finance Officer, Director, Planning and Development and Director, IQAC, University of Kerala.

The committee prepared a proposal in consultation with the HODs and submitted it to RUSA.

### **Financial Support**

RUSA supported the proposal of University of Kerala with the financial support of Rs. 3 lakhs and the first instalment of Rs. 180,000/- (Rupees one lakh eighty thousand only) was released to University of Kerala (Order No. 182/2017/RUSA-SPD dated 3.2.2018).

### **Organisation**

The committee met five times and corresponded with all the Departments for implementation of the scheme. The staff and students union, NSS and other clubs were also consulted for the organisation of the event. A team of fifty volunteers was constituted for the implementation of the programme, with the support of Students and Researchers Unions and HODs. Brochures

and posters were prepared in English and Malayalam, and distributed to various education institutions with the support of volunteers. A separate face book page was also launched for the promotion of the programme. A press release was released through the public relations department of University of Kerala.

### **Report of Activities**

The open house days were organised on 15<sup>th</sup> and 16<sup>th</sup> February 2018. A total of 30 educational institutes (schools and colleges) and about 1,000 members of public visited various departments and the exhibits arranged. Separate installations and arches were also raised in the Karyavattom campus of University of Kerala exclusively for Shasthrayaan.

A total of 40 departments participated in the open house days. A registration counter was opened near the entrance of the University Campus. Schools and colleges were registered in batches in the counter and the volunteers guided them to various Departments.

### **Inauguration**

The Shasthrayaan open house and science festival of University of Kerala supported by Rashtriya Uchchar Shiksha Abhiyan (RUSA) was inaugurated by Dr. Jayachandran R., Registrar, University of Kerala. According to Dr Jayachandran, universities have to show case the socially relevant research and fasten the linkage with the society to strengthen their contemporary relevance. Dr. Biveesh UC., Research Officer, RUSA-SPD informed that the major aim of the RUSA's support for Shasthrayaan is to strengthen the higher education institutions in Kerala so as to fulfil its societal demands and requirements. Dr. Mini Dejo Kappen (Director, Planning and Development, University of Kerala), Dr A Biju Kumar (Coordinator, Shasthrayaan), Mr Athul S (Chairman, Department's Union), Mr. Vishnu KP (Chairman, Research Students Union) and Dr. Joseph Antony (Head, Department of Political Science) spoke at the occasion.

### **Open House Days**

The major attractions of the open house days were the following:

- 📖 Oriental Research Institute and Manuscript Library, a unique library and one of the “must-see libraries in India”, showcasing hundreds of manuscripts.
- 🏛️ Dedicated museums in the Departments of Archaeology, Aquatic Biology & Fisheries, Geology and Zoology.
- 📖 History of printing and journalism by Department of Journalism.

- ✚ History of political movements by Department of Political Science
- ✚ Role of Sanskrit in ancient and modern India, including the advantages of Sanskrit language.
- ✚ Arabic calligraphy by Arabic Department
- ✚ Exhibition on “Oceans the Story Teller” highlighting the maritime history of Kerala by the department of Aquatic Biology and Fisheries, besides live aquaria and terraria.
- ✚ Sophisticated Instrumentation and Computation Centre (SICC) with instruments demonstrating cutting edge technologies, including Nuclear Magnetic Resonance Spectroscopy (NMR), Scanning Electron Microscope, X-Ray Diffractometer (XRD) etc.

Optoelectronics, Nano-Technology, Physics, Chemistry, Biochemistry, and Zoology departments highlighted the experiments for the students and offered hands on experience with various science objects. Botany department offered visit to the botanical garden and seed bank.

The social science departments, language departments, management departments and law department exhibited the societal applications of their research and cultural heritage of India.

All the departments provided an opportunity to the visitors to interact with the faculty and research scholars during the open house days. Besides, the major research activities of the department and scholars and their applications and relevance were also highlighted through posters. This provided an opportunity to the students and public to interact with the faculty and research scholars during the programme. Further, it may also assisted the students to develop a broad perspective on the emerging areas of research and knowledge at the right age, besides deciding on career choices for future.

### Outcome

- ✚ We contribute to society by creating accessible, innovative and good quality learning materials for students and public, highlighting the socially relevant academic and research activities.
- ✚ Development of the current research outputs of each department, their applications to society and to enhance knowledge platform,
- ✚ Creation of awareness on latest technologies and science and better practices in other faculties
- ✚ Better shaping of extension activities of University of Kerala to make Open House Days an annual event.



## **PARTICIPATED DEPARTMENTS**

1. Dept. of Aquatic Biology & Fisheries
2. Dept. of Arabic
3. Dept. of Archaeology
4. Dept. of Biochemistry
5. Dept. of Biotechnology
6. Dept. of Botany
7. Dept. of Chemistry
8. Dept. of Commerce
9. Dept. of communication & Journalism
10. Dept. of Computational Biology & Bioinformatics
11. Dept. of Computer Science
12. Dept. of Demography
13. Dept. of Economics
14. Dept. of Environmental Science
15. Dept. of Futures Studies
16. Dept. of Geology
17. Dept. of German
18. Dept. of Hindi
19. Dept. of History
20. Dept. of Islamic Studies
21. Dept. of Law
22. Dept. of Library & Information Science
23. Dept. of Linguistics
24. Dept. of Malayalam
25. Dept. of Mathematics
26. Dept. of Nano Science & Nanotechnology
27. Dept. of Optoelectronics
28. Dept. of ORI & ML
29. Dept. of Philosophy
30. Dept. of Physics
31. Dept. of Political Science
32. Dept. of Psychology
33. Dept. of Russian
34. Dept. of Sanskrit
35. Dept. of Sociology
36. Dept. of Statistics
37. Dept. of Tamil
38. Dept. of Zoology
39. Institute of English
40. Institute of Management

# Brochure- SHASTHRAYAAN



**MUSEUMS**

UNIQUE OPPORTUNITY FOR THE PUBLIC AND STUDENTS TO VISIT ALL THE DEPARTMENTS AND LABORATORIES OF THE UNIVERSITY

A WINDOW TO UNDERSTAND AND APPRECIATE THE SOCIALLY RELEVANT ACADEMIC AND RESEARCH CONTRIBUTIONS OF THE UNIVERSITY

A PLATFORM FOR STUDENTS TO LEARN ABOUT THE CAREER PROSPECTS IN VARIOUS ACADEMIC DISCIPLINES



**UNIVERSITY OF KERALA**  
Kariavattom Campus  
Thiruvananthapuram 695001

Coordinator: Dr A Biju Kumar  
Ph: 8422865558 | Email: sspandeysook@gmail.com

Contact Numbers for Registration  
9496814552 (Jodhri); 9308952895 (Nuvarth)  
9633454370 (Althul); 9809909056 (Vidinu)

Batch Registration For Schools and Colleges  
Parking facility in Campus Ground

**NO ENTRY/REGISTRATION FEE**



**Shashthrayaan**  
അറിവിന്റെ അന്താരാഷ്ട്രദിനം

**OPEN HOUSE DAYS AND SCIENCE FESTIVAL**

**ENTRY FREE**

Venue: Kariavattom Campus, University of Kerala  
Dates: 15-16 February 2018 | Time: 9.30 am to 4.30 pm

Organized by  
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(Recognized by NAAC with 'A' Grade)

Supported by  
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### Aims and objectives

- To showcase the evolution, contributions and innovations of University and departments/centers to the masses
- To inspire and support people of all ages and backgrounds to access ideas from research and innovation
- To showcase the applications of science and technology to the common man/society
- To motivate the young generation towards innovation, creativity and sustainable living, besides choosing careers
- To inculcate scientific temper among the younger generation and to highlight the role of knowledge societies in social development.

### MAJOR ATTRACTIONS

- Oriental Research Institute and Manuscript Library, a unique library and one of the "must-see libraries in India", showcasing hundreds of manuscripts
- Sophisticated Instrumentation and Computation Centre (SICC) with instruments demonstrating cutting edge technologies, including
  - Nuclear Magnetic Resonance Spectroscopy (NMR)
  - Scanning Electron Microscope
  - X-Ray Diffractometer (XRD)
  - Inductively coupled plasma mass spectrometry (ICP-MS)
  - Micro Raman Spectrophotometer



### VISION

A world where the complexity, wonder and opportunities of scientific and academic research are explored, challenged, celebrated and enjoyed across society



**UNIVERSITY OF KERALA**  
Teaching & Research Departments

### PARTICIPATION

SCIENCE & TECHNOLOGY	SOCIAL SCIENCES	ARTS AND HUMANITIES
18	12	18
LARGE GREEN CAMPUS SPREAD OVER 359 ACRES	OVER 150 TEACHERS AND ABOUT 1,500 STUDENTS, INCLUDING RESEARCH SCHOLARS	



# Posters



# ശാസ്ത്രയാൻ

അറിവ് ജനങ്ങളിലേക്ക്

**കാരുവട്ടം കാമ്പസ്, കേരളസർവകലാശാല**

**15-16 ഫെബ്രുവരി 2018**



 സഹകരണം  
 രാഷ്ട്രീയ ഉച്ചതർ ശിക്ഷാ അറിയാൻ (RUSA)

**പൊതുസന്ദർശന ദിനങ്ങളും  
ശാസ്ത്രോത്സവവും**





**പ്രവേശനം  
സൗജന്യം**

# ശാസ്ത്രയാൻ

അറിവ് ജനങ്ങളിലേക്ക്

**കാരുവട്ടം കാമ്പസ്**  
കേരളസർവകലാശാല

**15-16**  
ഫെബ്രുവരി 2018



 സഹകരണം  
 കേരള സർവകലാശാല  
 രാഷ്ട്രീയ ഉച്ചതർ  
 ശിക്ഷാ അറിയാൻ (RUSA)

**പൊതുസന്ദർശന ദിനങ്ങളും  
ശാസ്ത്രോത്സവവും**




# Installations



# Installations



# Inauguration



Welcome: Dr A Biju Kumar, Coordinator



Inauguration by Dr. Jayachandran R., Registrar, University of Kerala



Dr. Mini Dejo Kappen, DPD, Uok



Dr. Biveesh, RUSA

# Inauguration



Mr. Vishnu KP



Mr. Athul S.



Inauguration by Dr. Jayachandran R., Registrar, University of Kerala



Dr. Dr. Joseph Antony



Dr. Haiharan

## Open House Days: Departments



Registration and visit by schools in batches

## Open House Days: Departments



## Open House Days: Departments



## Open House Days: Departments



## Open House Days: Departments



# Open House Days: Departments



ASTHAYANA 2018

# Open House Days: Departments



# Open House Days: Departments



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# Open House Days: Departments

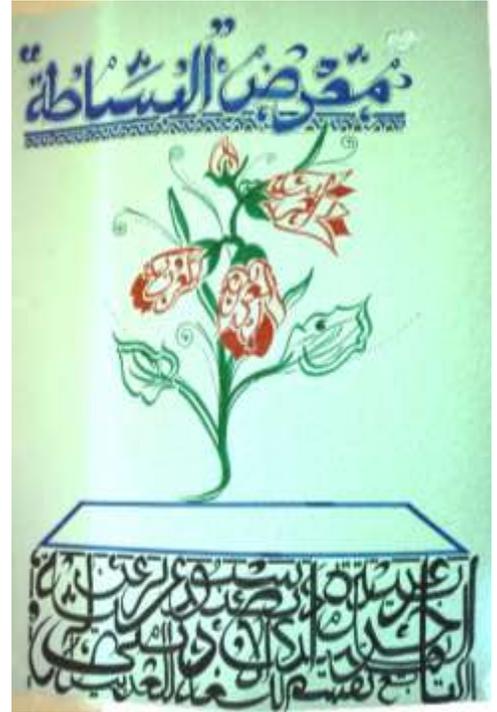


SASTHANA YAN 20

# Open House Days: Departments



# Open House Days: Departments



## Open House Days: Departments



# Open House Days: Departments



# Open House Days: Departments





കിടപ്പു കാര്യങ്ങൾ ചർച്ചചെയ്ത ശബരിമല സന്യാസി ഏകദേശം രണ്ടുലക്ഷം പേരെ കാണാൻ



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# അറിവിന്റെ വാതിൽതുറന്ന് ശാസ്ത്രയാനം

മുൻ കഴിഞ്ഞു

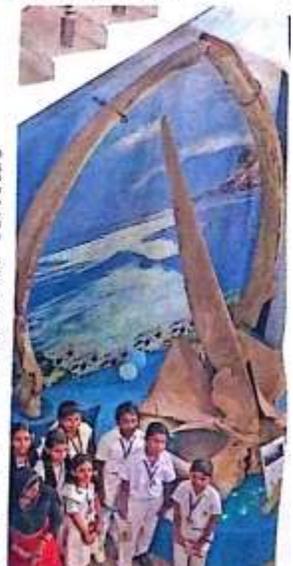
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# Kerala University's Shashtrayaan science festival begins

Times News Network

Thiruvananthapuram: For the first time, University of Kerala (KU) opened doors of all its departments and laboratories to general public and other students. The two-day Shashtrayaan open house and science festival of the university supported by Rashtriya Uchchatar Shiksha Abhiyan (RUSA) has begun on Thursday.

Several students from various educational institutions in the city visited departments at Kariyattom campus of KU.

The event, which is being held from 8.30am to 4.30pm, aims to showcase the evolution of the university

to communicate the academic and research contributions and to provide a platform for interaction between the academic community and people. It highlights the university's various departments and societal applications of research, especially in the fields of science and technology.

The programme is designed to inculcate scientific temper among students and to provide career advices for the youngsters.

The major attraction of the programme includes an opportunity to visit Oriental Research Institute and

Manuscript Library a unique library showcasing hundreds of manuscripts. The archaeology museum is conducting an exhibition titled 'Signatures of Past Populace' which showcases prehistoric stone tools from various parts of India, Harappan and regional Chalcolithic and objects from Gujarat, Megalithic objects from Kerala, Mahabharata, Tamil Nadu and Gupta and medieval objects from Gujarat and Maharashtra and Gujarat.

The Sophisticated Instrumentation and Computation Centre (SICC) showcases cutting edge technologies

including nuclear magnetic resonance spectroscopy (NMR), scanning electron microscope, X-ray diffractometer (XRD), inductively coupled plasma mass spectrometry (ICP-MS) and Raman spectrophotometer.

The department of aquatic biology and fisheries has put up an exhibition, 'Oceans the Story Teller', highlighting the maritime history of Kerala. Further, the diversity of marine life including live sea weeds, jelly fish, sea cucumbers and sea urchin, marine fishes and aquaponics technology are highlighted through the wetland. The first tree crab discovered in India called 'Karu Maranjandu' is another highlight.

Optoelectronics, physics, chemistry, biochemistry and zoology departments highlight the experiments for the students and offer hands on experience with various science objects. Botany department offer visit to the botanical garden and seed bank.

The social science departments, language departments and law departments exhibit the societal applications of their research and cultural heritage of India. The students may also do experiments in psychology in the lab there.

University registrar Jayachandran R inaugurated the open house on Thursday. The programme will conclude on Friday.

THE TIMES OF INDIA, THIRUVANANTHAPURAM | KOLLAM  
FRIDAY, FEBRUARY 16, 2018



# Science festival at Kerala varsity

SPECIAL CORRESPONDENT  
THIRUVANANTHAPURAM

The Karyavattom campus of the University of Kerala will remain open on February 15 and 16 as part of an open house programme and science festival organised by the university and the Rashtriya Uchchar Shiksha Abhiyan (RUSA).

Titled Shasthrayaan, the event seeks to showcase the evolution of the university, highlight its academic and research contributions, and promote scientific temper among students.

The programme will

highlight the innovative practices followed by the university, its various departments and societal applications of research, especially in the fields of science and technology. The major attractions include an opportunity to visit the Oriental Research Institute and Manuscript Library, Sophisticated Instrumentation and Computation Centre (SICC) and the permanent museums of the departments of Aquatic Biology, Archaeology, Botany, Geology and Zoology. Details are on the university website.

## സർവകലാശാല സന്ദർശിക്കാം

തിരുവനന്തപുരം ▶ കേരള സർവകലാശാലയുടെ വിവിധ പഠന-ഗവേഷണ വകുപ്പുകളും ലാബുകളും മറ്റും സന്ദർശിക്കാൻ പൊതുജനങ്ങൾക്കും വിദ്യാർത്ഥികൾക്കും അവസരം. സർവകലാശാലയും റൂസയും സംയുക്തമായി സംഘടിപ്പിക്കുന്ന ശാസ്ത്രയാൻ പദ്ധതി 15, 16 തീയതികളിലാണ്

കാര്യവും ക്യാമ്പസിൽ പൊതുസന്ദർശനദിനങ്ങളും ശാസ്ത്രോത്സവവും ഒരുക്കിയിരിക്കുന്നത്.

നൂറുകണക്കിനു താളിയോലകൾ, ഓറിയന്റൽ റിസർച്ച് ഇൻസ്റ്റിറ്റ്യൂട്ട് മാനുസ്ക്രിപ്റ്റ് ലൈബ്രറി തുടങ്ങിയവയാണ് പ്രധാന ആകർഷണങ്ങൾ. പൊതുജനങ്ങൾക്കും വിദ്യാർത്ഥികൾക്കും

അധ്യാപകരുമായും ഗവേഷകരുമായും സംവദിക്കാനും ഈ ദിനങ്ങളിൽ സാധിക്കും. വിദ്യാർത്ഥികൾക്ക് വിവിധ വിഷയങ്ങളിൽ ഉപരിപഠനത്തിനും ഗവേഷണത്തിനും തൊഴിലിനുമുള്ള സാധ്യതകൾ ആരായാനുള്ള സംവിധാനങ്ങളും ഒരുക്കിയിട്ടുണ്ട്. പ്രവേശനം സൗജന്യം.

മാതൃഭൂമി 2018 ഫെബ്രുവരി 14 • ബുധനാഴ്ച



We cultivate and embrace the full diversity of voices  
from all backgrounds and experiences though  
**SHASTHRAYAAN**