



Maharaja's College, Ernakulam

(A Government Autonomous College)
Kochi - 682 011, Kerala

Affiliated to Mahatma Gandhi University
Centre of Excellence under Govt. of Kerala
Identified by UGC as College with Potential for Excellence

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Declaration

3.1.4

It is hereby certified that the college has central instrumentation center, green house & museum, central fabrication facility and research/statistical databases.

Principal



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3.1.4 Institution has the following facilities

<p>1. Central Instrumentation Centre 2. Animal House/Green House / Museum 3. Central Fabrication facility 4. Media laboratory/Business Lab/Studios 5. Research/Statistical Databases</p> <p>Options: A. Any four facilities exist B. Three of the facilities exist C. Two of the facilities exist D. One of the facilities exist E. None of the facilities exist (7)</p>	
Name of the facility	Year of establishment
Central Instrumentation Centre	2012-13
Zoology Museum/Green House	1875-76
Central Fabrication Facility	2018-19
Research/Statistical Database	2011-12



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RESEARCH DATA BASES

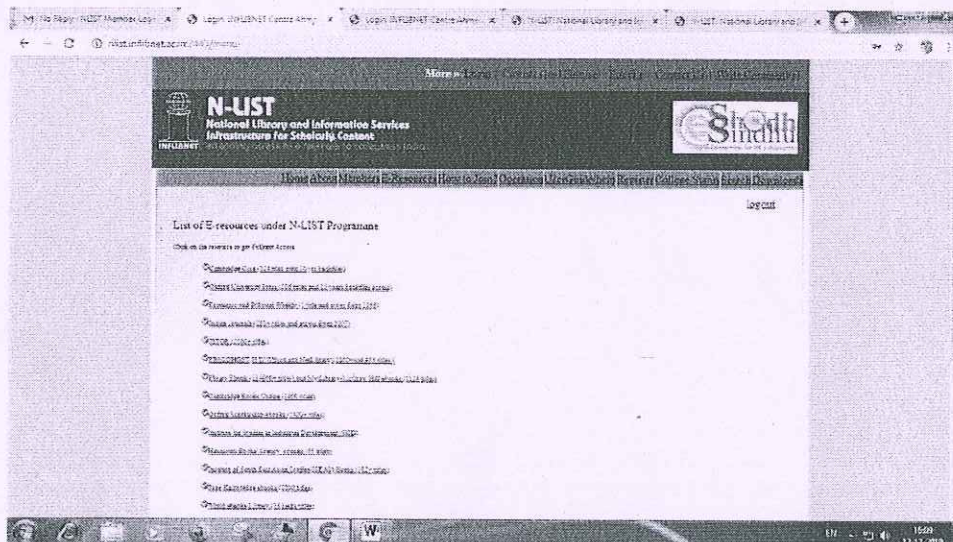
E-Resources

1. National Library and Information Services Infrastructure for Scholarly Content (N-LIST)

National Library and Information Services Infrastructure for Scholarly Content (N-LIST) is the college component of e Shodh Sindhu. It provides access to e-resources to students, researchers and faculty from colleges installed at the INFLIBNET Centre, which is located at the Central Library.

Maharaja's College Ernakulam, has registered for the N-LIST from 2011 onwards and the college can access 3,828 electronic journals and 80,409 electronic books. Users are required to log-in with their user ID and password to request for articles using N-LIST Service.

Resources available under NLIST Programme is attached here with.



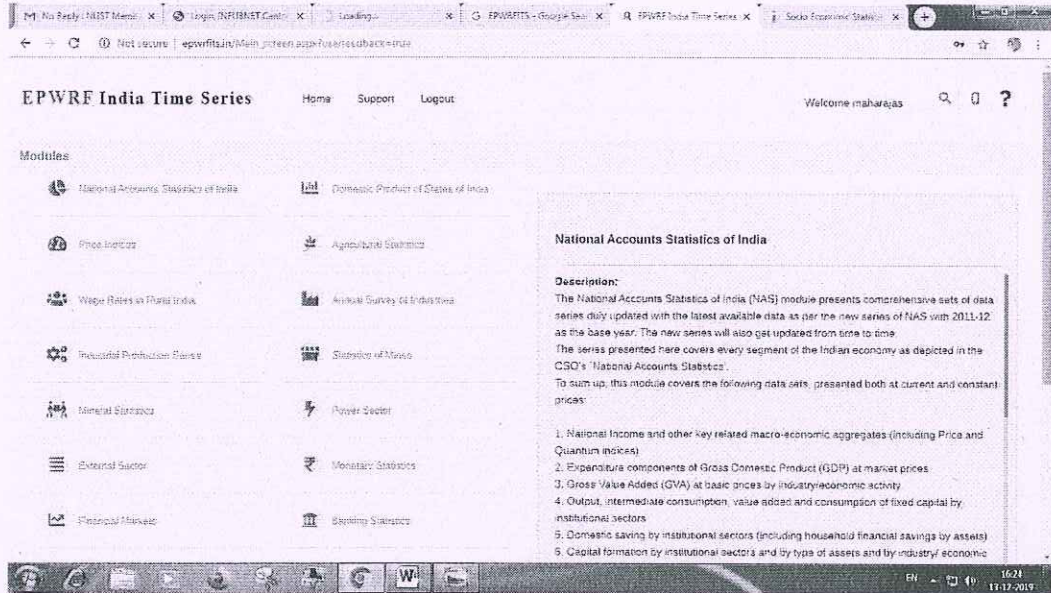
2. Special Package from Taylor and Francis

Taylor & Francis partners with world-class authors, from leading scientists and researchers, to scholars and professionals operating at the top of their fields. Together, we publish in all areas of the Humanities, Social Sciences, Behavioural Sciences, Science, Technology and Medicine



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The EPWRF India Times Series (EPWRFITS), interactive online database is an initiative taken by the EPW Research Foundation (EPWRF) with an aim to provide credible time series data facilitating research across various sectors of Indian Economy.



3. Indiatat

Database managed by Datanet India under the name “IndiaStat.com” is subscribed by the college. The plan subscribed is IP address based “Institution Penta Plus” with unlimited access. The data base provides secondary level socio economic statistical information about India, it’s states, regions and sectors.



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The screenshot shows the SpringerLink website interface. At the top, there are browser tabs and a search bar. The main header reads "The New Palgrave Dictionary of Economics" with "Living Edition | Editors: Palgrave Macmillan" below it. A navigation menu on the left includes "Contents", "Search", and "Page 1 of 154". The main content area is titled "Introduction" and features a reference image of the dictionary cover. Text to the right of the image states: "This is the dynamic online version of The New Palgrave Dictionary of Economics. Written by leading figures in the field including many Nobel prize winners, this is the definitive scholarly reference work for a new generation of economists. Regularly updated!" Below this text are statistics: "195", "157", "287", and "277k". A table below the statistics lists "Citations", "Mentions", "Reprints", and "Downloads". The "Editors and affiliations" section is partially visible at the bottom of the page.

This screenshot shows the "Editors and affiliations" and "Bibliographic information" sections of the SpringerLink page. The "Editors and affiliations" section lists "Palgrave Macmillan" as the publisher, with the address "1. Palgrave Macmillan, London, UK". The "Bibliographic information" section is organized into two columns. The left column includes "Copyright Information" (The Editor(s) (if applicable) and The Author(s) 2012), "eBook Packages" (Economics and Finance), and "Absolute Rent". The right column includes "Publisher Name" (Palgrave Macmillan, London), "Number Of Entries" (3056), and "Online ISBN" (978-1-349-93121-5). At the bottom of the page, there is a footer with navigation links (Home, Imprint, Legal information, Privacy statement, How we use cookies, Accessibility, Contact us), the Springer Nature logo, and copyright information: "© 2019 Springer Nature Switzerland AG. Part of Springer Nature. Not logged in - Maharaja's College (300781720) - 117.211.163.7".

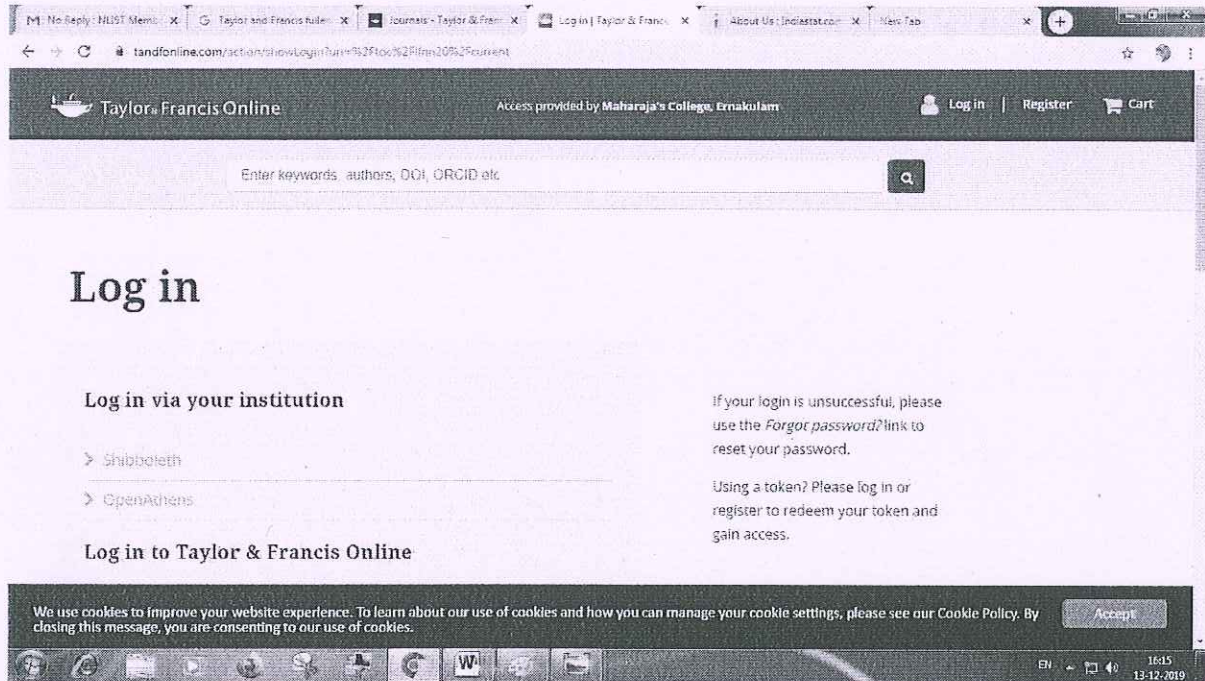
2. Economic and Political Weekly Research Foundation (EPWRF) India Time series

Economic and Political Weekly Research Foundation (EPWRF) managed India Time Series (ITS) database for all 18 modules with unlimited downloads is subscribed by the Maharaja's College.



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sectors. Maharaja College has been subscribing special package of 1500 e Journal comprising Science, Language and Social Science stream since March 2018. All the research scholars, students and faculty members can access these journals by using Maharaja's static IP address.



3. Databases of Department of Economics

1. New Palgrave Dictionary of Economics

IP based perpetual access to online database of New Palgrave Dictionary of Economics (24 Volume) worth Rs.8 Lakhs



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ZOOLOGY MUSEUM

The Zoology museum was established in 1874 and is considered to be one of the 50 international museums in the world. It is classified as Natural History Museum and it has been listed in the data bank of K G Saur Verlag Gmbh & Co, Germany under 'Museum of the world'. At present it holds more than 1500 specimens including rare items like Sloth Bear, Llama, Ostrich, King Cobra, Heloderma, Acipensor, Armadillo, Coral world, different kinds of birds, skeletons of animals and precious geological collections. The collections include animals representing various bio geographical realms and continents. Though the Museum is of academic interest, it is open to visitors on request.



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CENTRAL INSTRUMENTATION FACILITY

The Central Instrumentation Facility housed a wide range of sophisticated scientific instruments, maintain them and ensure a fair utilization among the research community. It also maintain labs with most recent equipment to conduct experiments that aid in developing scientific learning amongst students and in cultivating deeper and profound interest in their respective field of study.

The facilities are envisaged to nourish collaborative research between Maharaja's College Ernakulam and other academic and Industrial organizations.

The facility is well composed with a wide range of instruments which include

- Scanning electron microscope VEGA3 TESCAN
- Shimadzu Gas Chromatograph Mass Spectrometer QP-2020 NX with accessories
- UV visible Spectrophotometer model Lambda 750 from Perkin Elmer Singapore
- Electro Chemical Impedance Analyzer Potentiostat/Galvanostat with electrochemical analyser and EC-LAB Software (Model SP 300)
- Water Purification System Scientific Enterprises

To further enhance the instrumentation facility, some more sophisticated instruments will be introduced shortly using RUSA fund. The facility is open for visit by students and faculty from other educational institutions.



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GREEN HOUSE

Department of Botany

Adjacent to the Department of Botany, near the entrance from the eastern gate of the college lies a green house which was established several years back. Rare plants like Gnetum, Zamia, Vanilla, Miracle fruit, varieties of ferns, ornamental plants and medicinal angiosperms are being maintained in the green house. Separate spaces were earmarked for different groups of plants. The ornamental angiosperms in the green house include anthuriums, orchids like Dendrobium, Spathoglottis, Cattleya, Oncidium, etc. Roses, Kalonchoe, Euphorbia sps, Dianthus, Adenum, etc, and an array of Foliage plants like Begonias, Dieffenbachia, Crotons, Chlorophytum, Draceana, etc. are growing well in the green house. There is a collection of medicinal plants like Ocimum sps, Adhatoda sps., Rauwolfia sps., and all plants in 'Dasapushpam' are maintaining in the green house. The plants include Biophytum sensitivum, Vernonia cinerea, Emilia sonchifolia, Cyonodon Dactylon, Curculigo orchioides, Eclipta prostrate, Evolvulus alsinoides, Aerva lanata, Ipomeoa sepiaria and Cardiospermum Helicacabum. Besides, botanically interested plants used as specimen like Cycas, Podocarpus, Angiopteris, Microsorium, Ehretia, etc and some hydrophytes are also maintained in the green house.



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