

# INSTITUTIONAL DISTINCTIVENESS OF NEWMAN COLLEGE, THODUPUZHA

*Catering the demand for quality education and research in arts, science and commerce to the rural community of Idukki district*



*Institutional distinctiveness 2019-2020:*

*Promotion of inter and trans-disciplinary research and academic excellence*



## ***Preface:***

During a time when the educational ambitions of the people of high ranges remained dreams unfulfilled, Newman College, the first higher education institution of Idukki district, was established in the year 1964. The much awaited dream institution of a rural agrarian community, headed by the Syrian Catholic Diocese of Kothamangalam, not only accomplishes the educational aspirations of the high range people, but also has become the centre of their social and cultural life. Being the most prominent institution of the district, Newman College shines bright catering to the needs of all communities without any discrimination. By virtue of the geographical ease of access, the college opens its doors to knowledge seekers from Idukki as well as two neighbouring districts. Named after the great visionary philosopher and educationalist St. Henry Cardinal Newman, the college stands as a prime centre of higher education by offering 14UG, 8 PG programmes and 3 research programmes.

The infrastructure and facilities in the College campus is planned and executed to meet the diverse needs of students and local community. The compact infrastructure of Newman College with well-maintained and easily accessible library, University Study centre, IGNOU study centre, computer labs, theatre, indoor stadium, outdoor stadium, basketball court, yoga centre, gymnasium, sky watch facility, church, bank, ATM counter, post office, stationary shop and canteen makes it an easily accessible campus. Most of these facilities are made available for the public when necessary. The indoor stadium of the college hosts several state and national level sports events and caters the need of local sports events too. In addition to the conduct of various sports events in the College ground, the vast area is utilized to host the prestigious agricultural fest of Idukki district, which is a festival for the local community and a hub of display and sale of rural produce.

2019-2020

*Institutional distinctiveness: Promotion of inter and trans-disciplinary research and academic excellence*

Newman College, in its quest to attain excellence in academics and research and to give maximum opportunities to the student community from rural and tribal areas of Idukki district to research, strive hard to get collaborations and grants from various directions. As a result of these continuous efforts, the college got selected for **UGC Scheme for Trans-disciplinary Research for India's Developing Economy (STRIDE) project component I**, being one among the 35 institutions which got selected for this prestigious programme.

The screenshot shows the official website for the STRIDE (Scheme for Trans-Disciplinary Research for India's Developing Economy) project. The header includes the UGC logo and the project title. A navigation bar contains links for HOME, OBJECTIVES, PROGRAM DETAILS, CALL FOR PROPOSALS, IMPORTANT DATES, APPROVED PROPOSALS, FAQ, DOWNLOADS, and CONTACT. Below the navigation bar, there is a large banner with the STRIDE logo and a magnifying glass over a gear. Underneath the banner, there are two tabs: "Approved Proposal (Component-1)" and "Approved Proposal (Component-3 (Pre Proposal))". The "Approved Proposal (Component-1)" tab is active, displaying a table of approved proposals under Component 1 of STRIDE. The table has four columns: S.No., Reference No., State, and Institution Name/ Address. Newman College is listed as entry 34, with Reference No. C1/2019/10705, State Kerala, and Institution Name Newman College. The row for Newman College is highlighted with a red border.

S.No.	Reference No.	State	Institution Name/ Address
26	C1/2019/03280	Maharashtra	Fergusson College (Autonomous), Pune
27	C1/2019/01369	Karnataka	KLE SOCIETY'S S. Nijalingappa College.
28	C1/2019/02723	Jharkhand	Nirmala College
29	C1/2019/02711	Uttar Pradesh	ST ANDREW'S COLLEGE
30	C1/2019/07699	Maharashtra	KRT Arts, BH Commerce and AM Science College, Nashik
31	C1/2019/01107	Maharashtra	MSP Mandal's Shri Shivaji College, Parbhani
32	C1/2019/07133	Manipur	S. Kula Women's College
33	C1/2019/08637	Kerala	Sreekrishnapuram V.T. Bhattathiripad College
34	C1/2019/10705	Kerala	Newman College
35	C1/2019/08272	Andhra Pradesh	Vignani's Institute of Information Technology

UGC STRIDE project on the “*An Institutional Research Scheme on the Sustainable Development Initiatives in the Western Ghats in Idukki, Kerala*” addresses a pressing global issue of great local significance. The College took a unique approach in addressing this issue by proposing the involvement of 100 selected undergraduate students from all disciplines of study as ‘UGC STRIDE fellows’ to carry out the project by adopting bottom-up approach of policy making. The project, with a sanctioned amount of Rs. 95 lakhs, will equip the student community in addressing issues of global significance in a scientific way through the cross talk between different disciplines and will lead them to efficient policy makers.

The college took different measures to increase the research excellence of faculty and students and as part of that various interdisciplinary projects and research works are promoted among faculty and students. As a result, more interdisciplinary and collaborative publications were produced. Students’ projects were presented in international conferences and received appreciation.

#### *Interdisciplinary publications by faculty members*



#### Synthesis of biogenic ZnO nanoparticles and its impact on seed germination and root growth of *Oryza sativa* L. and *Vigna unguiculata* L

Jaiby Cyriac <sup>a,\*</sup>, Krishnakumar Melethil <sup>b</sup>, Bejoy Thomas <sup>b</sup>, M. Sreejit <sup>c</sup>, Thomas Varghese <sup>d</sup>

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<sup>c</sup> Department of Botany, SNM College, Maliakara, Kerala, India

<sup>d</sup> Department of Physics, Nirmala College, Muvattupuzha, India



## Student works presented in international conference

Proceedings of the International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology (5NANO2020) held on 23rd & 24th April, 2020



### Room Temperature Synthesis of Mesoporous MOF using Synergistic Action of Metal Oxide and Template

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### Green synthesis of silver nanoparticles from Aloe vera leaf extract and its antimicrobial activity

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Newman College keep up its academic excellence by bagging Mahatma Gandhi University ranks in various UG and PG programmes.

### Mahatma Gandhi University Rank holders of Newman College in the 2019 - 20 batch



# NEWMAN COLLEGE THODUPUZHA

## Kudos to the Rank Holders -2020

<b>I Rank</b>  <b>MONCYMOL ISSAC</b> B.Sc Botany	<b>II Rank</b>  <b>SANDRA SUGUTHAN</b> B.Sc Botany	<b>III Rank</b>  <b>ANEENA JOSEPH</b> B.Sc Botany	<b>III Rank</b>  <b>NEOL GRACESON</b> B.A English Literature & Communication Studies	<b>IV Rank</b>  <b>SHAMILA K.S.</b> B.Sc Botany	<b>V Rank</b>  <b>ROSEMARY JOSE</b> B.Sc Botany	<b>VI Rank</b>  <b>VISHNUJA</b> B.A English Literature & Communication Studies
<b>VII Rank</b>  <b>ANJANA SHAJI</b> B.A Malayalam	<b>VII Rank</b>  <b>CHANCHAL JOY</b> B.Com Co-operation	<b>VIII Rank</b>  <b>ANUSHA JESSY JOSEPH</b> B.Sc Botany	<b>IX Rank</b>  <b>AISWARIYALAKSHMI E.S.</b> B.A Malayalam	<b>IX Rank</b>  <b>ANEESA P. SULAIMAN</b> B.Sc Zoology	<b>IX Rank</b>  <b>CHRISTINA MARY GEORGE</b> B.A History	<b>IX Rank</b>  <b>AJMI M.I</b> B.Com Co-operation



# NEWMAN COLLEGE THODUPUZHA

**Congratulates  
its University Rank Holders**

**I Rank**



**Ann Mariya Roy**  
M.Sc. Physics

**IV Rank**



**Sr. Jennifer Jose**  
M.Sc. Mathematics

**VII Rank**



**Aswathy Sivan**  
M.Sc. Physics

**VII Rank**



**Rasal Sabu**  
M.A English

The quality maintained by the college got recognition by being the UGC mentor college under 'Paramarsh' scheme to mentor five neighbouring colleges for NAAC accreditation and assessment process. The college also mentored 72 students from different disciplines to participate in Reboot Kerala Hackathon 2020, an innovative initiative of Department of Higher Education, Govt. of Kerala to suggest IoT based solutions for various problem statements. This helped in fostering an innovative ecosystem in the campus. While moulding the students to research and academic excellence, the College ensure to hold on to the human values and ethics by promoting grass root level discussions with local community in STRIDE project and being in the fore front of activities during the time of natural calamities in the district. This ensures the all round presence of Newman College in uplifting not only the overall quality of education but the quality of living and quality of ecosystem of Idukki district.