



**Matha
College of
Technology**

PROSPECTUS



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FOUNDER'S MESSAGE



Lt. Dr. P.R Radhakrishnan

At Matha College of Technology, we are dedicated in providing its students with an education that combines rigorous academic study and the excitement of discovery with the support and intellectual stimulation of a close knit homelike campus community.

The Institute is committed to generating, disseminating, and preserving knowledge. We seek to develop in each member of MCT community the ability and passion to work wisely, creatively, and effectively for the betterment of humankind.

We intend to prepare you not just for exams but for life itself.



Why choose MCT

MCT Roots



Lt. Dr. P.R. Radhakrishnan, Founder

Our inspiration and pride.

Founder & former Chairman of NSSUC & ECR Trust, the parent company of Hindmade Education services, he has more than three decades of experience to his credits. An ingenious educationist and a well acknowledged social personality who have influenced life's of thousands of us and have inspired many educationists across the country to imbibe and impart true education. He taught us to ensure that our every act contributed towards rejuvenating and re-building a glorious & skill-full India



Sarala Devi, Co-Founder

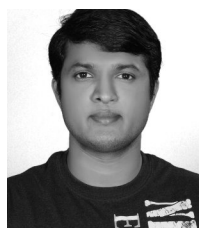
Our motivation.

She is the Co-founder and the ultimate motivating force for the trust members to carry forward the values and protocols the founding members have vouched for since its inception. She was not only instrumental in the transformation and growth of the Organisation but had kept up a culture of compassion, sensitivity, care, and empathy. It is her belief that has laid the foundation of ethics for this organisation.



Reshma Krishnan, Chairman

The most vibrant personality of the lot has recently taken over as the chairman of the trust, she has more than a decade of grounding in the field of Education Enterprises. With her commanding presence, vast learning and deep insight, she leads the entire team towards the goal. A role model for many youngsters, she is a colossus of strength, courage, confidence. She encourages us to give back to the Nation and to generate and awaken as many young talents as possible across and beyond the motherland.



Manesh Krishnan, Vice Chairman

He is what we call the back bone of the empire. With an unshakeable commitment he is a man of perfection and planning. The youngest board member is responsible for the daily operations of the organisations and is well known for his spirit of Philanthropy. He exhorts everyone of us to strive hard, innovate, and utilize all their talents towards universal success. This is beyond intellect, and reaches to what we call a motivating force.



City, Serenity & Style

A perfect dream place to make your dreams come true. towards the divine and intellectual pursuits. Matha College of Technology is located at Manakkappady near North Paravur, at the lap of Mother Nature with a beautiful campus bordered by an array of green-clad surroundings. MCT is just 18 Kms away from the Cochin city- the Industrial Capital of Kerala. Location is at Aluva - Paravur Nationalised Bus Route, which connects two National Highways - NH 17 and NH 47 at 4 Kms away from Paravur. The nearest Bus station is at North Paravur (4 Kms), the nearest Railway Station is at Aluva (10 kms) and nearest Airport is the Cochin International Airport, at Nedumbassery (20 Kms). The college is well connected by roads to the nearest towns of Ernakulam and Thrissur districts. KSRTC buses are frequently available from Aluva and N. Paravur. The climate in the campus is managed by the nearby Arabian sea and the Periyar river. The peace and serenity of the college campus motivates the students

The buildings and landscapes cover a range of styles dating from early 90s. This serene site was initially spotted by the management and turned into a perfect temple of education with a great lot of effort and dedication long before the region had developed to what it has become now. We take pride in realising that Matha College is not only just another college in the neighbourhood but was and is always an integral part of the development of the Region and Town herself. She was and is a medium of education, employment and social contribution to the population. This was only possible due to the unconditional mutual understanding and trust the management, under the guidance of the honourable Chairman himself, shared with the natives which continues till date as strong support and strength. The culture, history and development stories are thus integrated and inseparable as we grew together feeding one another.

Through the decade MCTians are unique in style. We are known for our rare but right combination of tradition with technology, of culture with modernity, of informal and individual care with professionalism and discipline at International par, all of these at a central location with spacious and beautiful ever colourful campus including large and small lawns, hangouts and lush greenery.

Of course MCT is equipped with adequate classrooms, laboratories, workshops, libraries, hostels, canteen, gym, arts, sports and tech clubs, fully wifi enabled campus and an excellent computer centre with high speed internet connectivity all in reach.



Academic Life @ MCT

Principal's Desk



Dr. T Dhanalakshmi
Phd, M.I.M, M.E

"Science is about knowing engineering is about doing"– Henry Petroski

Science seeks knowledge for its own job where as, engineering uses knowledge to make things happen. Likewise, students seeks the art of engineering from our MCT campus. Also our Novice engineers find practical solutions to complex problems, that is the heart of MCT. We are reminded to be cognizant and to concrete on what we can do the best with our own skills and MCT is well known for giving its attention to every details at every level. We spend many wonderful days in learning about the science and engineering in our campus. I wish you all a great success

Vice Principal's Desk



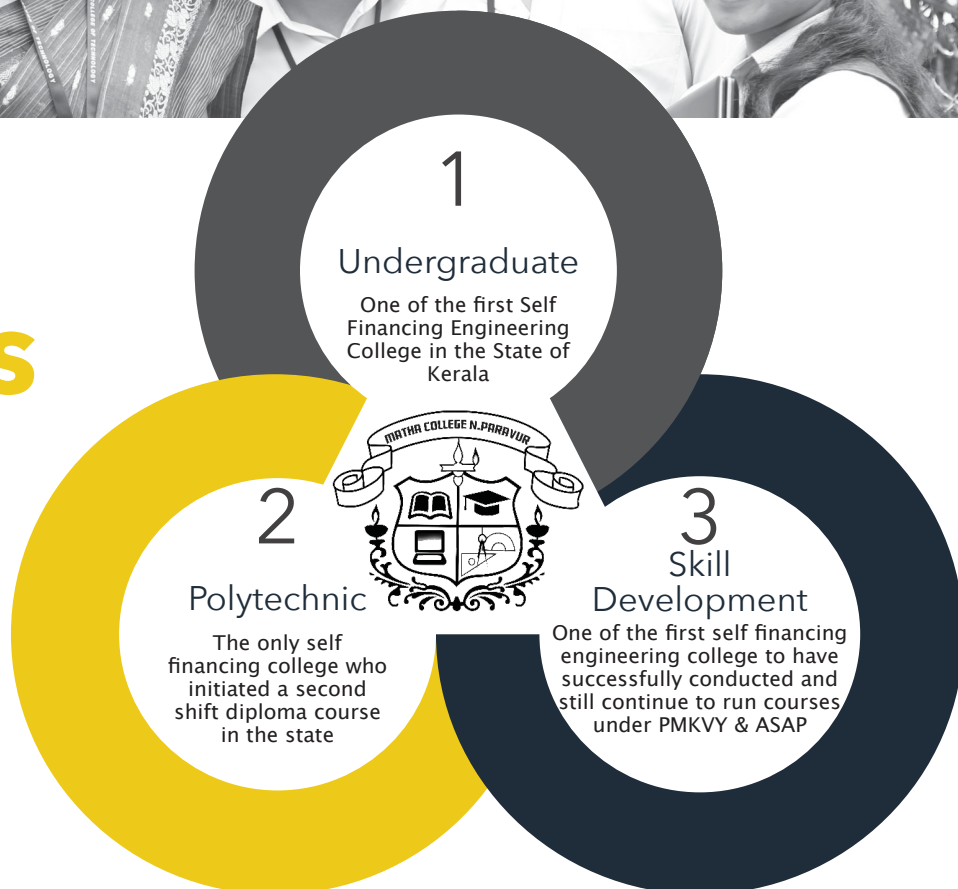
Prof. Prasanth Narayan
M.Tech, M.Sc., M.B.A, M.Phil

I welcome you to a new era of educational endeavour with Matha College of Technology. Our Institute aims to contribute significantly to a better understanding of the process of innovation that are crucial in today's world. In preparing students as world class engineers, the foremost requirement is to include a sense, Knowledge, skill, entrepreneurship and innovation amongst students. So that they can apply their knowledge and professionalism in a manner that is immediately useful to the mankind and contributes their knowledge and skills to society. To fulfil our country's vision 2021, we at Matha College of Technology are gearing up for the judicious dissemination. We aim to provide you with a course that hones your skill sets and competencies, a course that you will enjoy and that which prepare you for the demanding world to gainful employment. Knowledge to our students. Knowledge that not only lays the foundation for successful careers but also enriches igniting minds and empowering lives. Multiple course choices in lush green, pollution free campus having state –of –the–art infrastructure and a highly qualified, dedicated and caring faculty, provide you with an excellent platform to achieve your dream career.



Our Programs

Accreditation & Approvals



A.I.C.T.E	ALL INDIA COUNCIL OF TECHNICAL EDUCATION
UNIVERSITY	MAHATMA GANDHI UNIVERSITY, APJ ABDUL KALAM KERALA TECHNOLOGICAL UNIVERSITY
D.T.E	DIRECTORATE OF TECHNICAL EDUCATION
P.M.K.V.Y	PRADHAN MANTRI KAUSHAL VIKAS YOJNA
A.S.A.P	ADDITIONAL SKILL ACQUISITION PROGRAMME
I.E.D.C	INDUSTRIAL ENTREPRENEURSHIP DEVELOPMENT COUNCIL
N.S.S	NATIONAL SERVICE SCHEME
I.C.D.E	INTERNATIONAL COUNCIL FOR OPEN AND DISTANCE EDUCATION
C&G	CITY AND GUILDS, United Kingdom (U.K)

Year	A.I.C.T.E	University	D.T.E	P.M.K.V.Y	A.S.A.P	I.E.D.C	N.S.S	I.C.D.E	C&G
2003	x	x							
2004	x	x							
2005	x	x							
2006	x	x							
2007	x	x							
2008	x	x							
2009	x	x							
2010	x	x							
2011	x	x							
2012	x	x					x	x	
2013	x	x	x	x	x		x	x	
2014	x	x	x	x	x		x	x	
2015	x	x	x	x	x	x	x	x	
2016	x	x	x	x	x	x	x	x	
2017	x	x	x	x	x	x	x	x	
2018	x	x	x	x	x	x	x	x	x
2019	x	x	x	x	x	x	x	x	x



Our Departments

Department	B-Tech	Diploma
Automobile Engineering	✓	✓
Civil Engineering	✓	✓
Mechanical Engineering	✓	✓

PMKVY

(Pradhan Mantri Kaushal Vikas Yojna)

An integrated effort to step up skilling of youth in alignment with the National Policy for Skill Development & Enterpreneruship

Courses Offered	NSDC Certified
Mason Tiling	✓
Plumber	✓

*The courses are run under the supervision of civil engineering department of the institution.



How to Apply

Complete the application for admission available with the prospectus, with all annexure as mentioned in the form and submit to the office of MCT. The application form can be downloaded from the website.

Website: www.mathacollegeoftechnology.com

Eligibility Criteria

B-Tech

B.Tech programmes are of 4 year duration and are approved by AICTE & Govt. of Kerala. Affiliated to APJ Abdul Kalam Technological University. In order to become eligible for admission to B.Tech degree programme, a candidate should have satisfied the eligibility criteria specified by AICTE, Govt. of Kerala CEE & APJ Abdul Kalam Technological University. Entrance examination is not applicable for NK & NRI seats.

Lateral Entry (Direct Second Year)

The candidate who have passed Diploma in Engineering awarded by Board of Technical education, Kerala or equivalent after undergoing regular course of three year study in an approved institution are eligible for admission.

Diploma

The Diploma Programmes are of 3 year duration and are approved by AICTE & Govt. of Kerala and affiliated to Directorate of Technical Education, Kerala. All candidates who have passed SSLC/THSLC or equivalent examination, with eligibility for higher studies are eligible to apply for admission, subject to the

Following conditions:

The candidate should be a native of Kerala or undergone a qualifying examination from an institution in Kerala.

Candidate who has taken more than two chances to secure eligibility for higher studies in SSLC/THSLC or equivalent examinations is not eligible for admission. Appearances for "Betterment" or "SAY" Examination will not be considered as a chance.

For CBSE students it is compulsory to attend BOARD EXAM



Automobile Engineering

The Department of Automobile Engineering at Matha College of Technology, Manakkappady, N. Paravur was established with an undergraduate programme in 2003 and Diploma programme in 2014. The annual intake of students for B.Tech course is 30 & Diploma course is 60. The department has set a benchmark with regular university top ranks from the very outset of this institution. The department is well equipped with laboratories like Vehicle Design Lab, Engine Testing, Vehicle Servicing Laboratory, Automotive Electrical and Electronic Laboratory, CAD/CAM centre, Heat engine Laboratory, Energy Engineering Laboratory and Heat Transfer Laboratory. The software packages available in the department include Pro-E, CATIA, Unigraphics, and ANSYS for the faculty and aspiring students. The upgraded facilities in the department include wheel balancing, 3D alignment machines and Exhaust gas Analyser. The department conducts frequent industrial visits to renowned industries. The annual AUTO EXPO, RACE exhibition brings in most of the modern cars, race cars and student innovations. Together with the Department of Mechanical Engineering, we have organised a national level conference–National Conference on Advancements and Innovations in Mechanical and Automobile Engineering (AIMAE 2017) in the Month of April 2017.

Courses Details	B-Tech	Diploma
Management seat	15	30
Merit seat	15	30

RACE

Royal Automobile Club of Engineers

The association of automobile students, RACE is formed by the department of automobile for enriching and enhancing the talents of automobile students by various innovations, information, technologies. And it also shows the evergreen unity of automobile family. "We stimulate locomotion" is the theme of RACE, since it is all about the motion of vehicles and their innovations.



So far....



മാതാ എൻജിനീയറിംഗ് കോളേജിൽ കാരോട്ട മത്സരം

പറവൂർ: മനശ്ശെടി മാതാ കോളേജ് ഓഫ് ടെക്നോളജിയിൽ ഓട്ടോമൊബൈലിൽ, മെക്കാനിക്കൽ എൻജിനീയറിംഗ് വിഭാഗങ്ങളുടെ നേതൃത്വത്തിൽ കാരോട്ട മത്സരം സംഘടിപ്പിച്ചു. കോളേജ് കമ്പസിൽ പ്രത്യേകം തയ്യാറാക്കിയ പാതയിലാണ് മത്സരം നടന്നത്.

വിവിധ തലത്തിലുള്ള പാതകളിലൂടെ കാരോട്ടിയാണ് മത്സരം പൂർത്തിയാക്കിയത്. വിദ്യാർത്ഥികൾ കൂടാകെ വിവിധ ജില്ലകളിൽ നിന്നുള്ള ഡ്രൈവിംഗ് വിദഗ്ദ്ധരും മത്സരത്തിൽ പങ്കെടുത്തു. മത്സരം കാണാൻ നിരവധി വാഹന പ്രേമികളെത്തിയിരുന്നു. കോളേജ് പ്രിൻസിപ്പൽ ഡോ. കെ.പ്രസാദ് ഫാഗ്ഗെംചെട്ടി, ജനറൽ സൂപ്രണ്ട് കെ. ആർ. അനിൽകുമാർ, കെ.എസ്. നിർമ്മൽ, കെ.കെ. അഭിലാഷ്, മനു ആന്റണി തുടങ്ങിയവർ സംസാരിച്ചു.

മനശ്ശെടി മാതാ എൻജിനീയറിംഗ് കോളേജിൽ നടന്ന കാരോട്ട മത്സരം





Mechanical Engineering

The Department of Mechanical Engineering at Matha College of Technology, Manakkappady, N. Paravur was established with an undergraduate programme in 2012 and Diploma programme in 2013. The annual intake of students for B.Tech & Diploma course is 60 each. It is one of the most preferred undergraduate programmes by the student community with an evergreen crown and an outstanding pre-degree. A right blend of academic and extracurricular excellence from the very beginning has made this programme a prominent option for the students. With the rigorous effort from the student – faculty team, we are able to achieve recognition among the society as well. Technical seminars, paper presentations, hands-on training programs, group discussions and career development programs are conducted periodically to ensure quality and competitiveness of students. Our department in association with the Department of Automobile Engineering has organized a national level conference – National Conference on Advancements and Innovations in Mechanical and Automobile Engineering (AIMAE 2017) in the Month of April 2017.

Courses Details	B-Tech	Diploma
Management seat	30	30
Merit seat	30	30

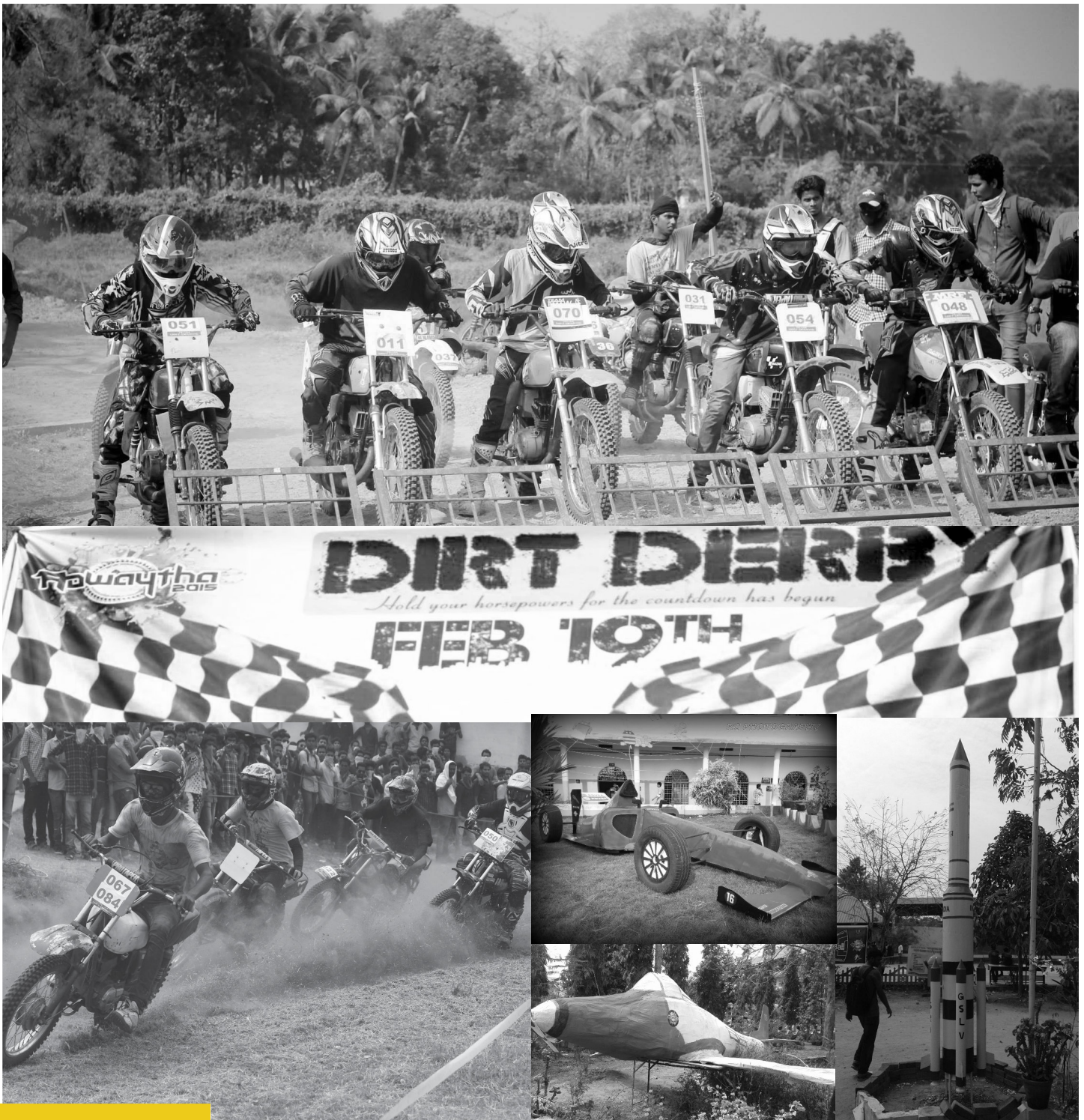
ARMS

Association of Royal Mechanical Engineering staffs & students

ARMS, the Association of Royal Mechanical Engineering Students of MCT, aims to play a pivotal role in the development of students as engineers by various out-of-curriculum and extracurricular activities. ARMS aims to inculcate among its members an awareness and appreciation of the various disciplines of not just Mechanical Engineering but also other relevant fields.



So far....





Civil Engineering

Civil engineering is a broad field of engineering that deals with planning, construction, maintenance works, transportation systems, water supply systems, waste water treatments etc. It is known to be the mother of all engineering disciplines and can be regarded as a profession which plays the role of nation building. Civil Engineers play a very important role in improving the living standards of a society in the form of structural engineers, transportation engineers, water resource and environmental engineers, hydrologists, geologists and geotechnical experts. The Department of Civil Engineering at Matha College of Technology, Manakkappady, N. Paravur was established with an undergraduate programme in 2012 and Diploma programme in 2013. The Annual intake of students for B.Tech course is 30 & Diploma course is 60. The various lab facilities provided to the students are Surveying lab, Concrete Technology lab, Material testing lab, CADD lab, Geotechnical engineering lab, Computing techniques lab, Transportation engineering lab & Environmental engineering lab. From 2016 academic year onwards we are conducting skill development course under PMKVY (Pradhan Mantri kaushal Vikas Yojana)

Courses Details	B-Tech	Diploma
Management seat	15	30
Merit seat	15	30

Civicus is the name of Civil Engineering Students Association, in this group we provide many facilities to enable a student to grow in the field of civil engineering, we provide a stage to perform various seminars, and projects etc, the overall growth of student was maintained and monitored through out this association



So far....



ദേശീയതല സോഫ്റ്റ് വെയർ ചാമ്പ്യൻഷിപ്പിൽ രണ്ടാം സ്ഥാനം നേടി
മനയുപ്പടി മാതാ കോളേജ് ടീം



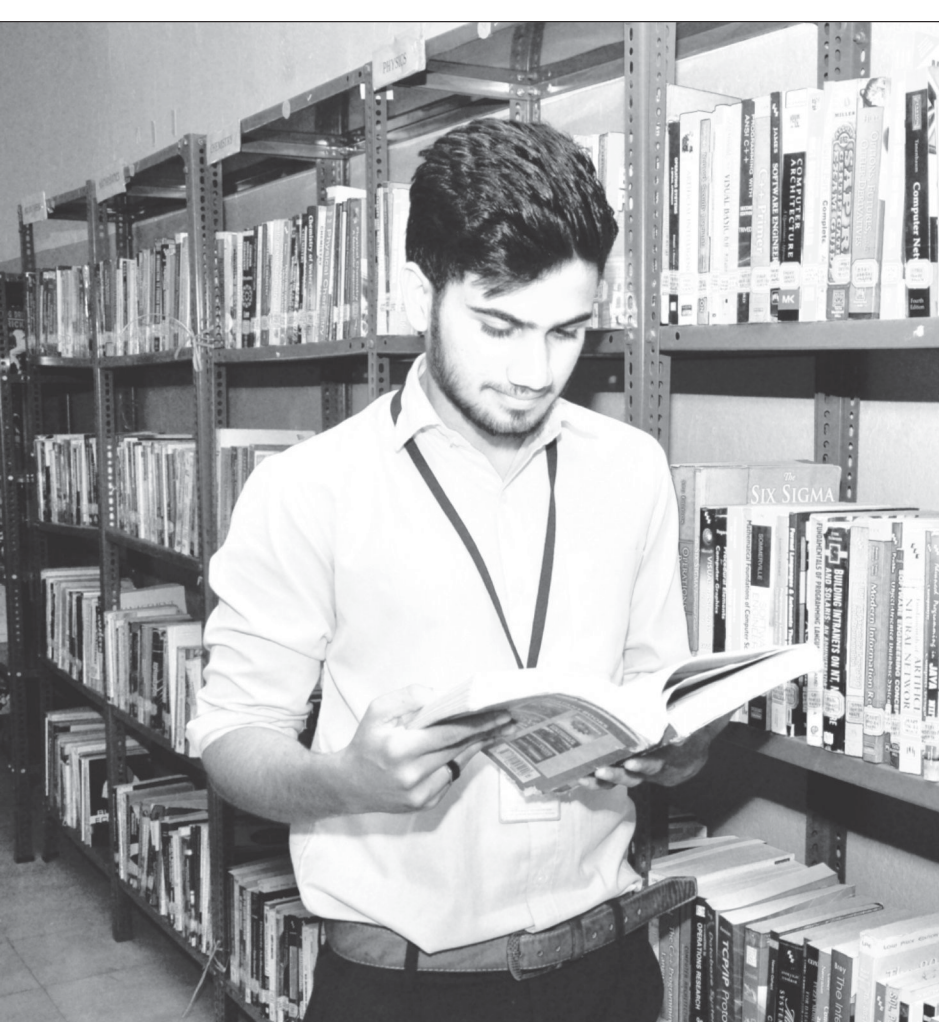
മാതാ കോളേജിന് ദേശീയതല സോഫ്റ്റ്വെയർ ചാമ്പ്യൻഷിപ്പ്

കരുമാല്ലൂർ: ഡൽഹി ഐ. ഐ.ടി.യിൽ നടന്ന ദേശീയതല സോഫ്റ്റ്വെയർ ചാമ്പ്യൻഷിപ്പിൽ മനയുപ്പടി മാതാ കോളേജിന് രണ്ടാം സ്ഥാനം ലഭിച്ചു.

കോളേജിലെ സിവിൽ എൻജിനീയറിംഗ് വിഭാഗം വിദ്യാർത്ഥി

കുമാരൻ, എ.എ. ജസ്താർ അഭിജിത്ത്, എസ്. യദുക്രഷ്ണൻ, രാധ, വിനു സുരേഷ്, രാജു നാരായണൻ, പ്രദീപ്, മോഹനൻ, കെ.ആർ. മേല, പി.എസ്. പത്മജ എന്നിവരാണ് ചാമ്പ്യൻഷിപ്പിൽ പങ്കെടുത്തത്.





LIBRARY & INFORMATION CENTRE

Library is fully automated with a rich collection of textbooks comprising of engineering books, Dictionaries, Encyclopedias and other general knowledge books. A separate reading room is provided which can accommodate more than 150 students and with a large collection of National and International journals, Newspapers, Technical and general magazines, Research papers etc. Library provides a book bank facility and also provides user friendly services to collect, store, retrieve and disseminate information. Library functions from 9 am to 5 pm in all working days.

Social @ MCT



Canteen

The centrally located college canteen meets the catering requirement for all the staff and students and ensures nutritious and hygienic food for hostellers and dayscholars in the campus. A dedicated canteen committee ensures the standards.

Hostel

Separate hostel facilities are available for boys and girls. Tidy rooms and hygienic facilities make for an ideal stay away from home ambience. The hostlers also access multi-gym and provision for a variety of indoor games facility. The mess facilities in the hostel are designed to meet international hygiene standards. A mineral water plant is operated within the campus and has a well maintained Ro facility. This water is used for cooking, drinking and is available throughout the campus.





Internet Facility

The college provides round the clock uninterrupted broadband connectivity and an excellent computer centre with high speed internet facility. Students have access to the broadband internet services in **WiFi** enabled zones.

Conveyance

We have a scheduled bus service for students and staff for easy conveyance to and fro from the college. At present college buses are scheduled to run in the following routes shown in the below table



Bus No.	Routes
1	Kaloor –Mathrubhumi–Desabhimani–Palarivattom–Edappally H S–Edappally Church– Edappally Toll–Koonamthai–Pathadi Palam– Kalamassery –Pathalam –Muppathadam –U.C College–Manakkapady – College
2	Thripprayar –Valappad–Edamuttom–Palapetty–Chenthrapinni–Koprakalam–Moonnupedika–Perinjanam–Mathilakom–SN Puram–Kothaparambu–Kodungallur–Paravur– Manakkapady –College
3	Kurupumpady –Aimmury– Akanad– Kurichilakkodu–Thottuva–Koovappadi–Vallam –Kaladi–Vengoor Kavala– Angamaly – Kariyad– Athani – Chengamanad –Thadikkalkadavu–Kuttipuzha– Kunnukara–Chalakka –Manjali– Manakkapady – college
4	Eramalloor –Aroor–Madavana–Kundannoor–Vytila–Chakkaraparambu–EMC–Pipeline–Oberon mall–Edappalli–Manjummal–FACT–TCC–Edayar–Panayikulam–Alangad–Kottappuram– Manakkapady – College
5	Mulanthuruthy –Chottanikkara– Nadakkavu– Puthiyakavu – Thrippunithura Karingachira – Kakkanad–HMT–Garage –Paravur Kavala– Kottappuram– Manakkapady – College
6	Kuruppampady – Perumbavoor –Ponjasserri– Chembarakki –S. Vazhakulam – Chunnangamvely–Rajagiri– Choondy– Carmal– Aluva– U.C. College– Manakkapady – College
7	Fort Cochi –Veli–Thoppumpady–Thevara–Pallimukku–Highcourt– Mulavucad –Moolampilly–Cheranallur–Varapuzha–SNDP jun.–Kongorpilly–Thattampadi–College
8	Chalakudy – S. Chalakkudi – Muringoor– Koratty –Chettarikkal –Angamaly Athani –Chengamanad–Kunnukara– Manjali –College
9	Kumbalangi – –Perumpadappu – Palluruthy –BOT – Goshree bridge – Vyppin –Njrackal – cherai – K.M.K Junction – Paravur – Manakkappady –College



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