

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi 590018

“RESEARCH POLICY”

1. Aim

Visvesvaraya Technological University (VTU), Belagavi aims to encourage and sustain excellence in Research and Innovation by cultivating and promoting a research culture among its teachers, staff and students. This would be leveraged for inspiring and enhancing the professional competence of the faculty members; for developing and promoting scientific temperament and research aptitudes among the students; for realizing the vision and mission of the University and for contributing to national development by establishing an institutional fund and a plan for facilitating participation of faculty and students in research and related activities and encouraging innovation in science and technology as per the terms of implementation of the national initiatives in this regard in the university.

2. Scope

This policy shall apply to all the faculty, staff and students of the University and also implementable in all the affiliated/autonomous engineering institutions of the University in the state of Karnataka.

3. Objectives

- To strengthen the institutional capacity for strategic, technical and operational planning, budgeting and control of all research activities of the University.
- To create and administer a research fund for supporting and facilitating research initiatives and projects amongst faculty members and students.
- To guide faculty members in the effective integration of research projects with the regular curriculum implementation and curriculum enrichment activities of the University.
- To identify and establish linkages including MOUs for long term relationships with national & international research organizations and industry bodies and individual companies for widening the scope of research opportunities, research activities and adding to the funding options available to the teachers and students of the University.
- To encourage and facilitate the publication of the research work/projects in the form of



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Intellectual Property/Journal Papers/Book Chapters etc.

- To encourage and facilitate the presentation/communication of the research work/projects as well as their findings and recommendations through academic events such as workshops/seminars/Conferences/guest lecturers or through the media.
- To encourage innovation and incubation of new ideas with encouragement for Transfer of Technology (TOT) or setting up of startup by the faculty and students as per the Govt's NISP implementation in the University.


4. Research Policy Implementation Mechanism

- Facilitate the faculty in undertaking research and will work with the University management to set up a research fund for providing seed money.
- Provide research facilities in terms of laboratory equipment, research journals and research incentives etc. required by the faculty.
- Encourage and promote a research and innovation culture (eg. teaching work load remission, opportunities for attending conferences etc.).
- Encourage the faculty to undertake research by collaborating with other research organizations/ industry.
- Create suitable procedures for giving due recognition for guiding research.
- Facilitate the establishment of specific research units/ centers by funding agencies / university.
- Organize workshops/ training programmes/ sensitization programmes to promote a research and innovation culture on campus.
- Invite industry to agree to mutually use the research facilities and research programmes of each other, sponsor research projects to the University and use the results/technologies developed through TOT to industry.
- Approach National and international organizations such as UGC, ICSSR, ICHR, ICPR, DST, DBT, UNESCO, UNICEF to fund major and minor research projects undertaken by the faculty / students.

5. Policy

5.1 Requirement to Undertake Research

5.1.1 Each faculty will carry out independent, innovative Research and/ or creative S&T activities that are appropriate to their discipline. In doing so they will, individually or in collaboration with colleagues:

- Supervise Research students.
 - Focus on innovations in the research.
 - Broadly disseminate Research results (i.e. through more than one medium or one Audience) including through their teaching practices and, where appropriate, protect the results of their Research.
- 

- Be active within appropriate professional and discipline communities and with external Stakeholders.
- Contribute to the Research environment and culture of VTU through activities such as mentoring, engagement in new Research initiatives and strengthening the Research infrastructure.
- Participate in initiatives designed to secure financial support for Research activities from external sources (including for example, government funding, industry partnerships and contracts, philanthropic gifts, Research translation and commercialization opportunities).

5.1.2 The requirement to undertake Research is a career expectation and will be balanced with the other obligations of academic staff including teaching and administrative responsibilities.

5.2 Obligations

Research effort will be considered as one of the criteria for faculty's yearly increment/promotion along with their other academic responsibilities.

5.3 Research at UG and PG Level

5.3.1 Teaching and research are equally important in any University. To cultivate a research culture and promote creativity among the undergraduate and post-graduate students, some research component in the curricula, especially in the final or pre-final year of the bachelors programme and final year in the master's programme, is necessary and taking industry or research internship is made mandatory. Similarly, in the postgraduate programme, research should be emphasized emphatically and students must be trained for robust research skills.

5.3.2 To encourage innovation among students University may provide funding to the innovative students projects from each branch of Engineering through "Financial Assistance for Innovative Project of Final Year Students" Scheme.

5.4 Establishment of Research Centers

5.4.1 The VTU encourages the establishment of Research Centers at its Affiliated/Autonomous Engineering Institutions in the State of Karnataka to enhance and facilitate disciplinary and interdisciplinary research collaboration, knowledge transfer and training.

5.4.2 The University's Regional Research Centers will be equipped with facilities and expertise to carry out research in priority areas identified by the University

5.4.3 The VTU encourages to have inter or multi disciplinary faculty in the Centres.

5.4.4 Aspirants of Ph.D. or M.S. (Research) can join for the programs through VTU recognized Research Centers.

5.5 Ph.D./M.S. in Research Programs

5.5.1 To provide opportunities to each individual with exceptional academic background, strong motivation and discipline, and potential to become excellent researchers at national/ international level and to engage themselves in Research and Development, VTU offers Ph.D. doctoral and MS in Research Programs on Part Time/ Full Time basis in a number of disciplines like Basic/Applied Sciences, Engineering Sciences and Management Sciences etc.

5.5.2 Doctoral Fellowships are awarded to selected scholars, who will register for Full Time Ph.D. Programme under the supervision of Faculty members of VTU.

5.6 Major & Minor Research Projects

5.6.1 VTU has a “Research Grants Scheme” to harness and nurture the research talents available in the affiliated institutions in the state of Karnataka. Under this scheme, grants are offered for research in Basic Sciences, Engineering Sciences and Management Sciences.

5.6.2 The Major& Minor Research Projects help young faculty to think about research and innovation prepare the proposal, conduct research and write a research report. The University shall take necessary steps to encourage young faculty to apply for these research projects and shall earmark appropriate support for this purpose.

5.7 Collaborative Research Projects (Industry and Inter-disciplinary)

5.7.1 The University-Industry Interaction is the demand of the day to fill the gap between industry, academia and research.

5.7.2 University promotes its faculty to interact with the industries and different organizations to bring in recent developments in the curriculum of UG, PG and Research.

5.7.3 University will promote and undertake (i) Industry Sponsored Research Project and (ii) Interdisciplinary Research of industrial interest to address the problems of industries.



5.8 Training for Research and Publications

The University shall organize rigorous training programmes for researchers on research methodology and in specially identified areas and shall also encourage participating in the conferences/workshops/symposia.

5.9 Publication of Research Work

5.9.1 Publication of Research Work is a measure of the research potential and efficacy of any University. Therefore, the University encourages the publication of research work in reputed the peer reviewed journals or in the form of generation of Intellectual Property (IP) by the faculty and students.

5.9.2 Research Publications and generation of IP by the faculty would be considered as an Academic Performance Indicator (API) for his/her annual increment/promotion.

5.9.3 University encourages publication of Research Work and generation of IP by providing financial assistance for the same.

5.10 Research Misconduct

5.10.1 University is committed to ensuring that investigations are carried out as expeditiously as possible, at the same time ensuring the utmost degree of thoroughness and ethical standards.

5.10.2 "Research misconduct" is defined as fabrication (making up data or results, and recording or reporting them), falsification (manipulating research materials, equipment, or processes, or changing or omitting data or results such that the research is not accurately represented), or plagiarism (appropriation of another person's ideas, processes, results, or words without giving appropriate credit) in proposing, performing, or reviewing research, or in reporting research results.

5.10.3 It is the sole responsibility of faculty or administrator or research staff, or technical personnel and students of the University, to foster an academic environment conducive to free and fair research activities.

5.10.4 If University receives any complaints/applications about 'Research Misconduct', a proper inquiry would be held based on preliminary information gathered and preliminary fact-



finding to ascertain the merit of the case under the supervision of Special Committee to be setup to look in to such allegations.

5.10.5 Employees accused of Research Misconduct ("Respondents") will be provided with a copy of this procedure and will be informed in writing of the detail of the allegation

5.10.6 Proven misconduct in research is considered as a serious or gross misconduct and normally merits dismissal after due process from the University.

5.10.7 The University will take disciplinary action against any individual who attempts to influence, victimize or intimidate the individual making the allegation of Scientific Misconduct (the "Complainant") or witnesses.

5.10.8 The University is committed to protecting its employees from malicious accusations and will take action against any individual(s) responsible for such allegations.

5.10.9 If University receives any complaints regarding sexual harassment, in the process of conducting research/projects, it will forward the same to Women's Cell of the University for further investigation.




REGISTRAR
Visvesvaraya Technological University
BELAGAVI.



CHILDREN'S EDUCATION SOCIETY (REGD.)

Administrative Office:

1st Phase JP Nagar, Bengaluru – 560 078

☎: 080-61754501 – 502 Fax: 080-2654 8658

THE OXFORD COLLEGE OF ENGINEERING

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by A.I.C.T.E. New Delhi, Accredited by NAAC & NBA New Delhi and Recognised by UGC Under Section 2(f))

Bommanahalli, Hosur Road, Bangalore –560068.

☎: 080 -61754601/602, Fax: 080 – 25730551 E-mail: engprincipal@theoxford.edu Web: www.theoxford.edu

No. TOCE/EST/06/2022-23/130

Date : 31-12-2022

C I R C U L A R **Research Promotion Schemes & Policy**

Children's Education Society ® has revised the **Research Promotion Schemes and Policy** vide No.CES/2022-23/04 dated 18-11-2022. (Attached herewith a copy of the same for ready reference).

This policy will be effective from 01-01-2023.

HoDs are hereby informed to disseminate amongst all faculty.

PRINCIPAL
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The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068

Copy to

1. The Chairman, The Oxford Educational Institutions
2. Deans
3. All HODs, TOCE
4. IQAC



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(Regd. No. 284/74-75)

THE OXFORD EDUCATIONAL INSTITUTIONS

(Recognised by the Govt. of Karnataka)

(Telugu Linguistic Minority Institution)

30th Main, 1st Phase, J.P. Nagar, Bangalore - 560 078.

☎ : 080 61754501, 502, 26654415 Fax : 080 2654 8658

E-mail: president@theoxford.edu Website : www.theoxford.edu

No. CES/2022-23/04

Date: 18-11-2022

MINUTES OF THE MEETING

AGENDA:

1. Revision of research promotion schemes and policy

Item No.1:

Revision of research promotion schemes and policy:

The President of the Children's Education Society® (CES) informed the members of the CES that in order to encourage research related activities and create research ecosystem in the campus necessary to revise the research promotion schemes and policy. The members took note of the same and after deliberation, the following resolution was passed:

1. Presentation at National Conference

RESOLVED THAT Presentation of papers in National Conferences may be rewarded in pursuit of motivating the faculty. The registration fee (actuals) may be reimbursed for National Conference. Faculty can avail only 2 Registration Fee reimbursement per year (one per semester). Further, a faculty member can claim reimbursement for either National or International conference in a year.

2. Presentation at International Conference

RESOLVED THAT Presentation of papers in International Conferences may be rewarded in pursuit of motivating the faculty. The registration fee (actuals) may be reimbursed once in two years for International Conference. However, Travel expenses upto **Rs. 25,000** may be reimbursed for One International Conference per NAAC Cycle per faculty. Further, a faculty member can claim reimbursement for either National or International conference in a year.

3. Publication in National Journal

RESOLVED THAT Publication of research articles in National journals listed in UGC – CARE or reputed journal with good impact factor Indexed in Scopus/PubMed may be rewarded to motivate the faculty. The publication charges inclusive of reward of **Rs. 3,000** may be given for National Journals. Only one Faculty member can claim the reward for a paper.

4. Publication in International Journal

RESOLVED THAT Publication of research articles in International journals with impact factor and indexed in Scopus, Thomson Reuters, Web of Science, PubMed/ABDC may be rewarded to motivate the faculty. The publication charges inclusive of reward of **Rs. 5,000** may be given for International Journals and Rs. 7,000 for SCI indexed journals.

5. Seed funding

RESOLVED THAT Research proposals may be invited annually which may be screened by the subject expert committee constituted by Management and recommended for funding. Such research proposals may be granted with Seed money upto **Rs. 5 lakhs** to conduct research.

- The faculty member availing grant shall produce an undertaking to complete the project
- The project should have PI and Co-PI from the The Oxford Group of Institutions
- The faculty member availing grant shall publish minimum of one paper in Scopus indexed journal in a year.
- The faculty member availing grant shall make an attempt to submit proposal to various funding agency.
- The faculty member is not eligible to submit proposal when the project is ongoing. However, he or she can receive financial assistance after the completion of the project.
- The grant amount shall be released in 2 instalments. First installment of 50% grant shall be released immediately after approval and the second installment shall be released after the progress report, UC/SE submission by the Principal Investigator and review by the committee.

6. Faculty Development Program/Short Term Training/Workshop/CDE/CME

RESOLVED THAT Faculty members may be encouraged to attend Faculty Development Programs or Workshops or Short Term Training Programs or Continuous Dental Education or Continuous Medical Education organized by institutions/universities/industry to update their knowledge by providing financial assistance as prescribed by the host institute/university (actuals). However, financial assistance may be provided for only one FDP/Workshop/STTP/CDE/CME per year per faculty.

7. Projects

RESOLVED THAT Faculty members procuring research grant from funding agency may be rewarded by providing **5%** of the total grant amount as an one time incentive. The incentive may be given to only Principal Investigator or Co-ordinator of the project.

8. Indian Patent

Patent granted to faculty may be rewarded in pursuit of motivating the faculty. Incentive of **Rs. 25,000** for Indian Patent may be provided. Additionally, the actual amount spent on filing the patent may be reimbursed not exceeding **Rs. 50,000** for Indian patent, provided the Patent is filed in the name of the Institution. However, if the patent is generated through project grant then the filing charges may be shared between Institution and project grant.

9. International Patent


Patent granted to faculty may be rewarded in pursuit of motivating the faculty. Incentive of **Rs. 50,000** for International Patent may be provided. Additionally, the actual amount spent on filing the patent may be reimbursed not exceeding **Rs. 1,00,000** for International Patent provided the Patent is filed in the name of the Institution. However, if the patent is generated through project grant then the filing charges may be shared between Institution and project grant.

10. Consultancy

Revenue generated from consultancy services extended by the faculty may be shared in 40:40:20 ratio between Institution, Faculty member providing consultancy and Staff (Teaching & Non-Teaching) involved in consultancy work.

"FURTHER RESOLVED THAT implementation of revised research promotion scheme will be applicable to all the permanent Employees of The Oxford College of Engineering with effect from 1st January, 2023 subject to the following conditions:

1. Faculty can avail only 2 registration fee reimbursement per year (one per semester)
2. Faculty can claim reimbursement for either National or International conference in a year
3. One Faculty can claim the reward for a research paper/article
4. Subject expert committee constituted by Management shall meet in February and August (once in 6 months) to scrutinize the applications and recommend for reimbursement/financial assistance/funding.
5. Faculty can claim for reimbursement for filing patent only if the patent is filed in the name of the Institution
6. Faculty can claim the incentive for patent only after the patent is granted.


PRESIDENT
Children's Education Society (R)
1st Phase, J.P. Nagar,
Bangalore - 560 078.



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Bommanahalli, Hosur Road, Bengaluru –560068.

☎: 080 -30219601/602/604/736, Fax: 080 – 25730551/ 30219629 E-mail: engprincipal@theoxford.edu
Web: www.theoxford.edu

10-01-2023

Research Monitoring Committee

Members

Sl.No	Name of the Committee Member	Designation
1	Dr N Kannan	Principal
2	Dr Preeta sharan	Dean R&D
3	Dr Manjunath B K	Professor & HoD / BT
4	Dr R Ch A Naidu	Professor & HoD / CSE
5	Dr R Kanagavalli	Professor & HoD / ISE
6	Dr Manju Devi	Professor & HoD / ECE
7	Dr Bharath V S	Professor & HoD / EEE
8	Dr. Malleshaiah T.S	Professor & HoD / CIVIL
9	Dr. Madhu Sudana Reddy G	Professor & HoD / MECH
11	Dr Pooja	Professor & HoD / MCA
12	Dr Gangavathy	Professor & HoD / S&H

As per the guideline of TOCE research policy, research committee has been formed who will inspect and review the research development in all the department. This will be helpful in quality improvement in terms of research proposal / Publications / Patents/ Copyright/ Trademark. Further research committee is advising for the collaboration with the industry and foreign universities. This will improve the citation and h-index of the individual faculty.

Based on the domain knowledge of each department research committee is also advising for the research collaboration with the sister concern of The Oxford Dental College, Physiotherapy college and Oxford Medical College.

Dean Research

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The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068



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Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

3.2.1 Doc 1 Facilities available in the R&D Centre and Innovation made

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)



7, Hosur Rd, Next to Oxford College, Bommanahalli,
Bengaluru, Karnataka 560068, India

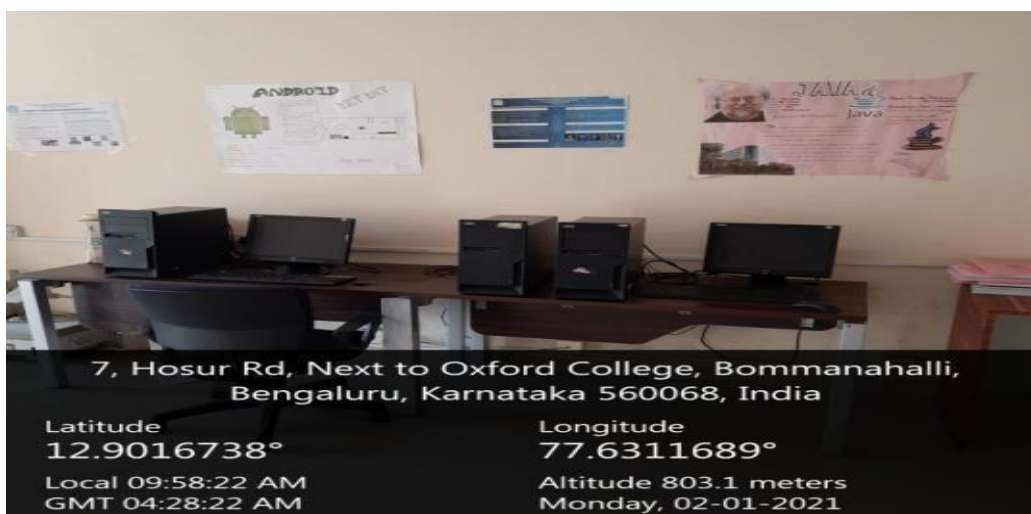
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Longitude
77.6315968°

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GMT 04:27:30 AM

Altitude 0 meters
Monday, 02-01-2021

Venue: Department of CSE – 3rd Floor – New building, Room No: N306



7, Hosur Rd, Next to Oxford College, Bommanahalli,
Bengaluru, Karnataka 560068, India

Latitude
12.9016738°

Longitude
77.6311689°

Local 09:58:22 AM
GMT 04:28:22 AM

Altitude 803.1 meters
Monday, 02-01-2021

ICT facility available in R& D Centre: No. of Computers: 4



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Department of Information Science and Engineering (ISE)



Venue: Department of ISE – 4th Floor – New building, Room No: N407



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(ECE)**



Venue: Department of Electronics and Communication Engineering, Old Building 4th Floor



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Optical Network Lab Components



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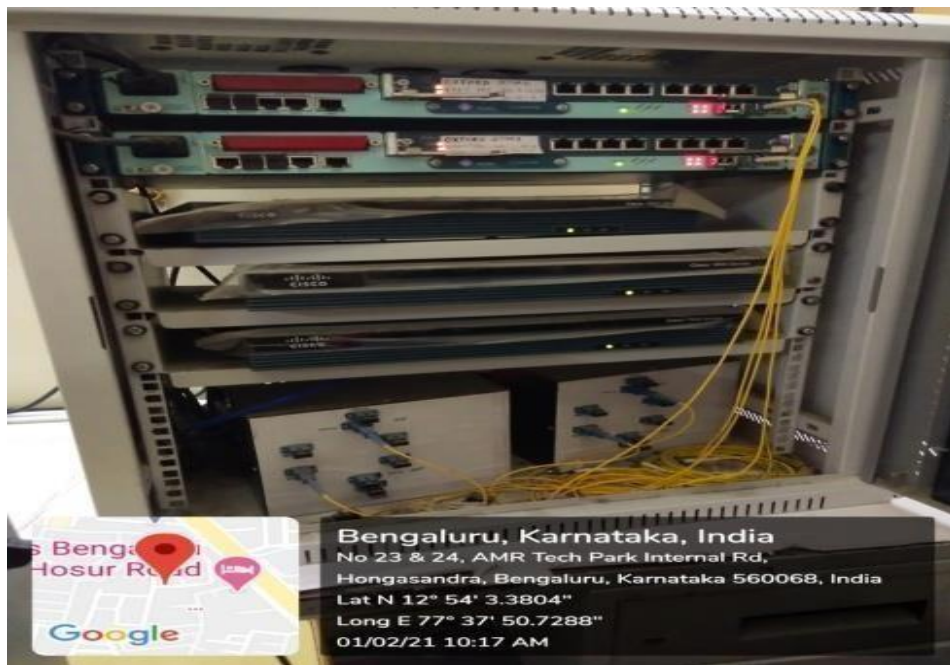
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3D Printer



Optical Network Rack



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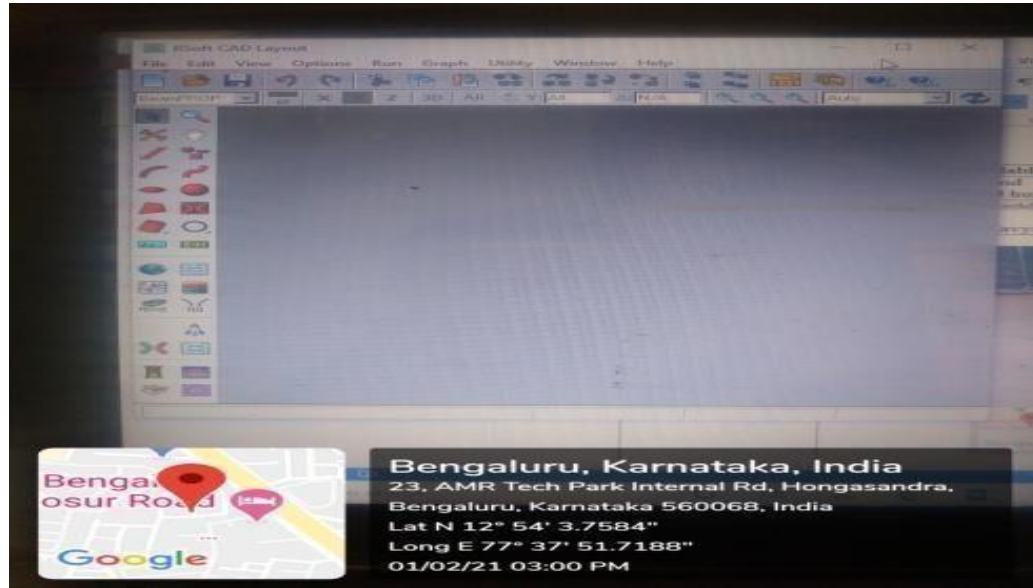
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Software's with licenses R Soft – Optical Design Software



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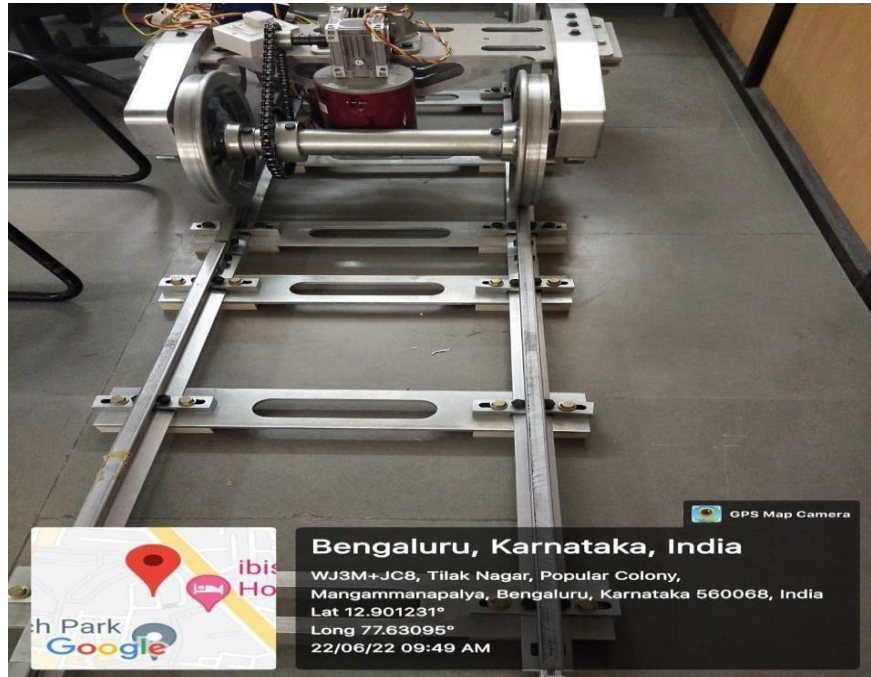
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Rail wheel model for flat wheel detection (2021-2022)



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

DEPARTMENT OF MECHANICAL ENGINEERING (MECH)



Venue: Department of Mechanical Engineering, Old building 4th Floor



Impact Testing Machine



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Universal Testing Machine



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List of ICT Facilities available in the R&D Center



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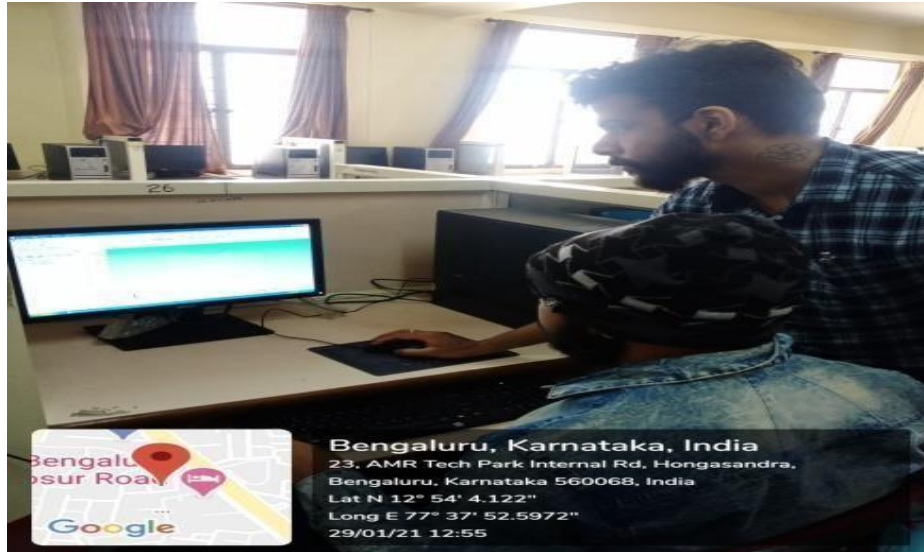
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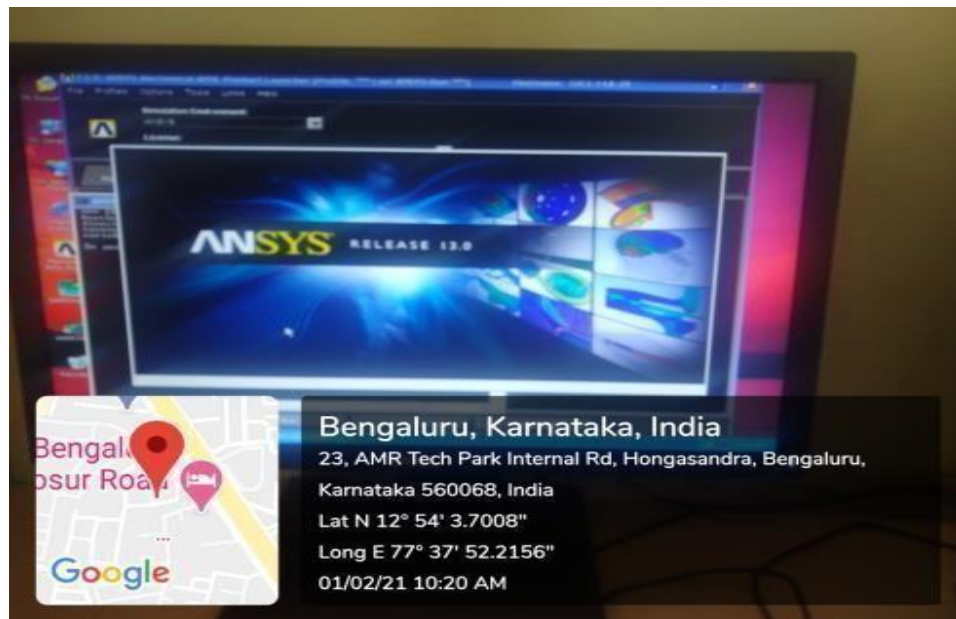
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Software's with licenses Solid Edge Software – CAD Modeling



Ansys Software – CAE Modeling



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Innovations



Bengaluru, Karnataka, India

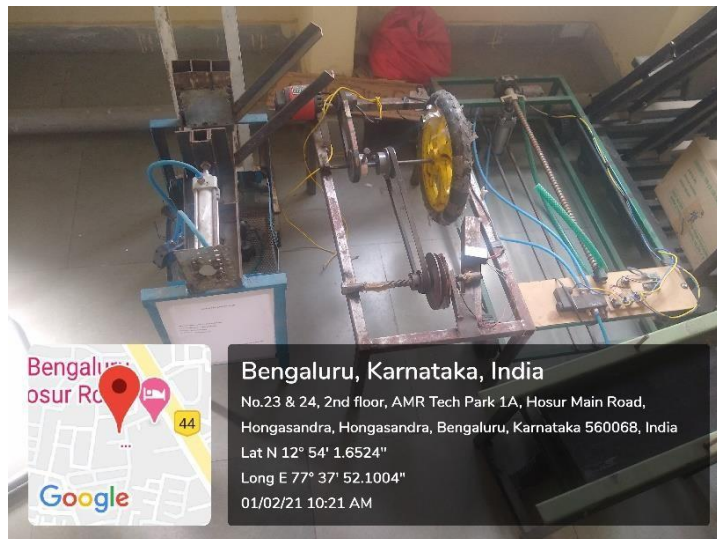
23 & 24, AMR Tech Park Syncoms Hosur Main Rd,
Bommanahalli, next to IBIS Hotel, Garvebhavi Palya,
Bengaluru, Karnataka 560068, India

Lat N 12° 54' 2.1132"

Long E 77° 37' 51.4236"

01/02/21 10:21 AM

Design and fabrication of voice-controlled chair using Theo Jansen mechanism



Bengaluru, Karnataka, India

No.23 & 24, 2nd floor, AMR Tech Park 1A, Hosur Main Road,
Hongasandra, Hongasandra, Bengaluru, Karnataka 560068, India

Lat N 12° 54' 1.6524"

Long E 77° 37' 52.1004"

01/02/21 10:21 AM

Pneumatic Can Crusher



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Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org



Name: Design and fabrication of portable mechanical ventilator

Detail of product: Pump, Ventilator hoses, Electrical connections



Name: Fabrication of automatic sanitizer and temperature detector

Product Details: temperature sensor, Sanitizer spray, metal frames



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Name: Design and fabrication of Windmill Model

Product Details: plastic wind blades, metal frames



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Department of Bio Technology (BT)



Venue: Old building 7th floor, Room no: 708

Facilities Available





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CO₂incubator



UV-Visible Spectrophotometer





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Auto Analyzer



ELLISA micro Plate Reader





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Cryocan



Orbital Shaking Incubator





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Orbital Shaker



Bacteriological Incubator



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Bacteriological Incubator



Autoclave - 2 Nos.



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Table top autoclave





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Inverted Microscope



UV Chamber



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Bengaluru, Karnataka, India

The Oxford College of engineering

Bengaluru, Karnataka 560068, India

Lat N 12° 53' 26.2932"

Long E 77° 37' 44.6556"

02/02/21 01:52 PM

Rotary Flash Evaporator



Bengaluru, Karnataka, India

The Oxford College of engineering

Bengaluru, Karnataka 560068, India

Lat N 12° 53' 26.2932"

Long E 77° 37' 44.6556"

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Double Distilled Water Unit



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Weighing Balance (Sortorius)



Hot air Oven



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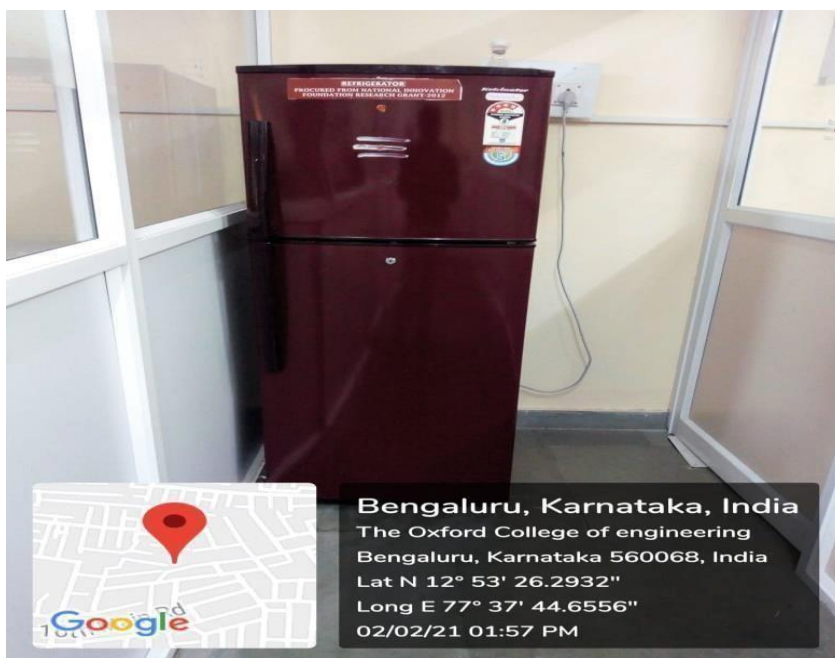
Bengaluru, Karnataka 560068, India

Lat N 12° 53' 26.2932"

Long E 77° 37' 44.6556"

02/02/21 01:58 PM

Biosafety Cabinet-Class II GMP



Bengaluru, Karnataka, India

The Oxford College of engineering

Bengaluru, Karnataka 560068, India

Lat N 12° 53' 26.2932"

Long E 77° 37' 44.6556"

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Refrigerators



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Microwave oven



Soxhlet apparatus



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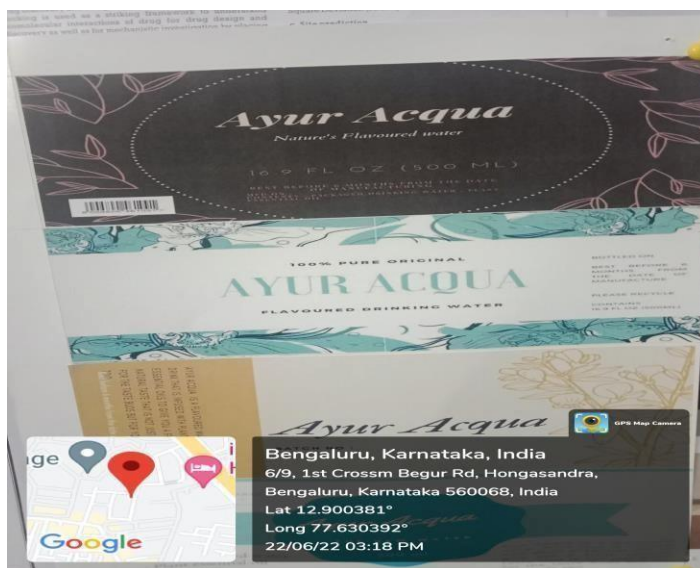
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AYUR ACQUA (2021-2022)



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Department of Civil Engineering (CIVIL)



Venue: Department of CIVIL, Ground Floor – New building, Room No: N006





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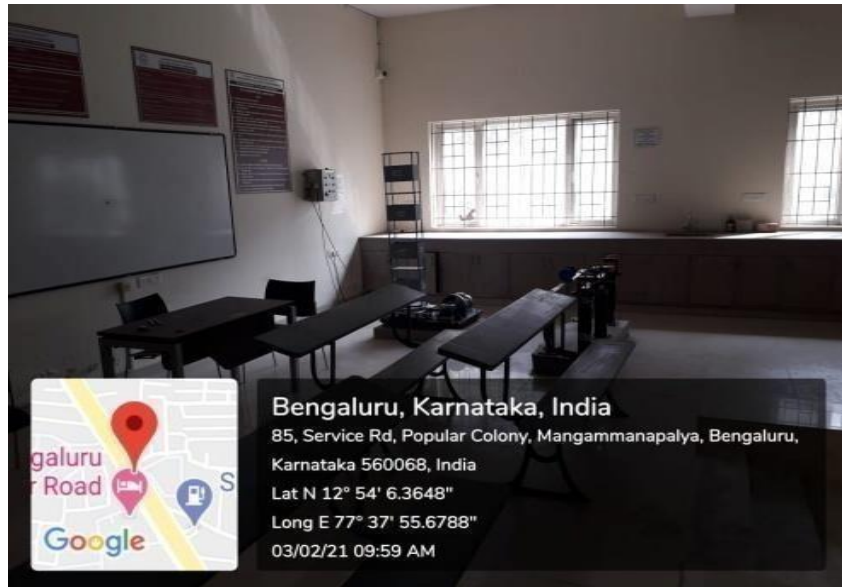
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LOAD FRAME



SEISMIC SHAKING TABLE



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DEPARTMENT OF CHEMISTRY



Venue: Old building Ground Floor



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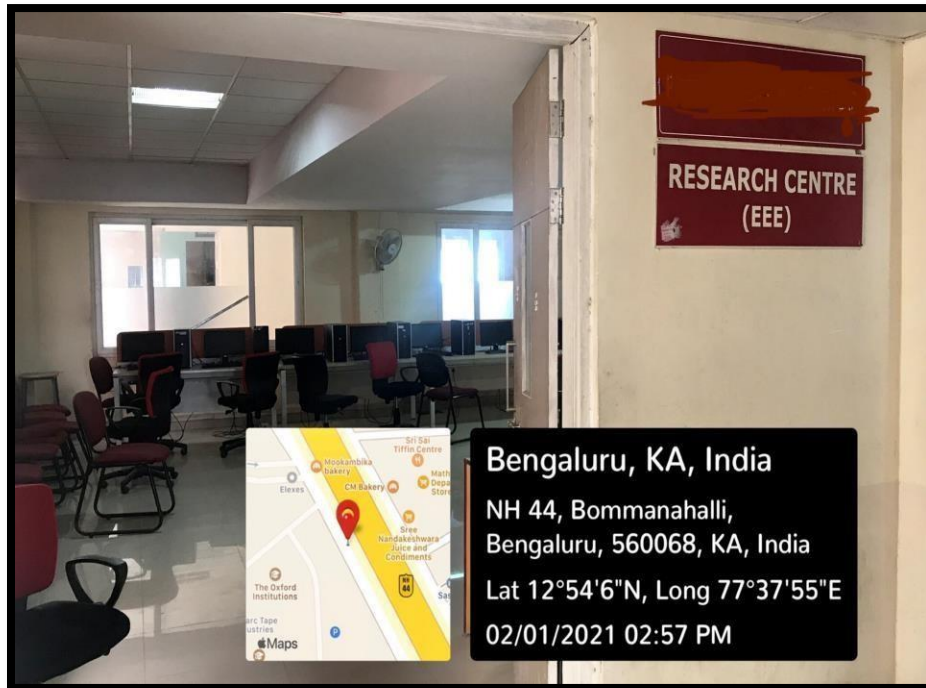
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING (EEE)



Venue: Fifth Floor Main Building



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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION (MBA)



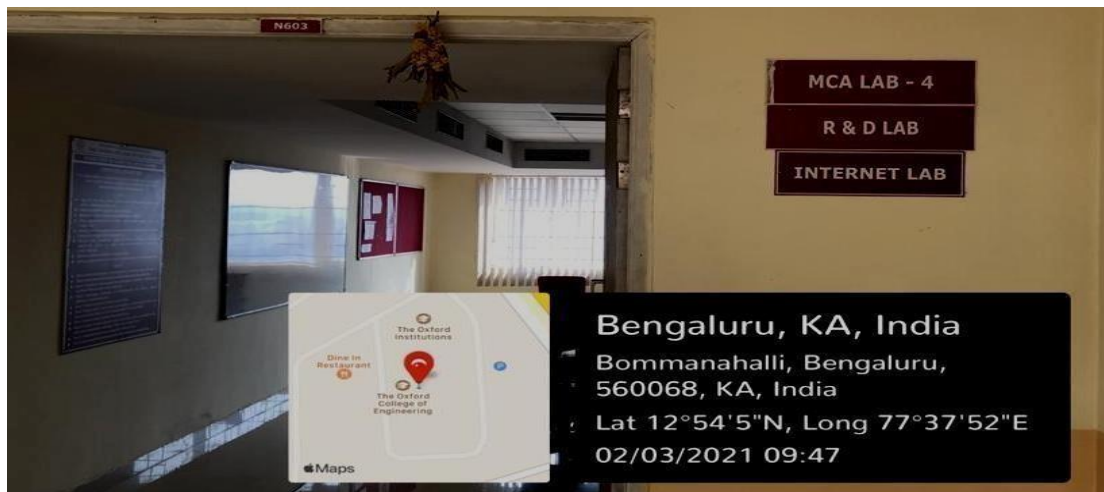
Department of Management Studies New Building 7th Floor



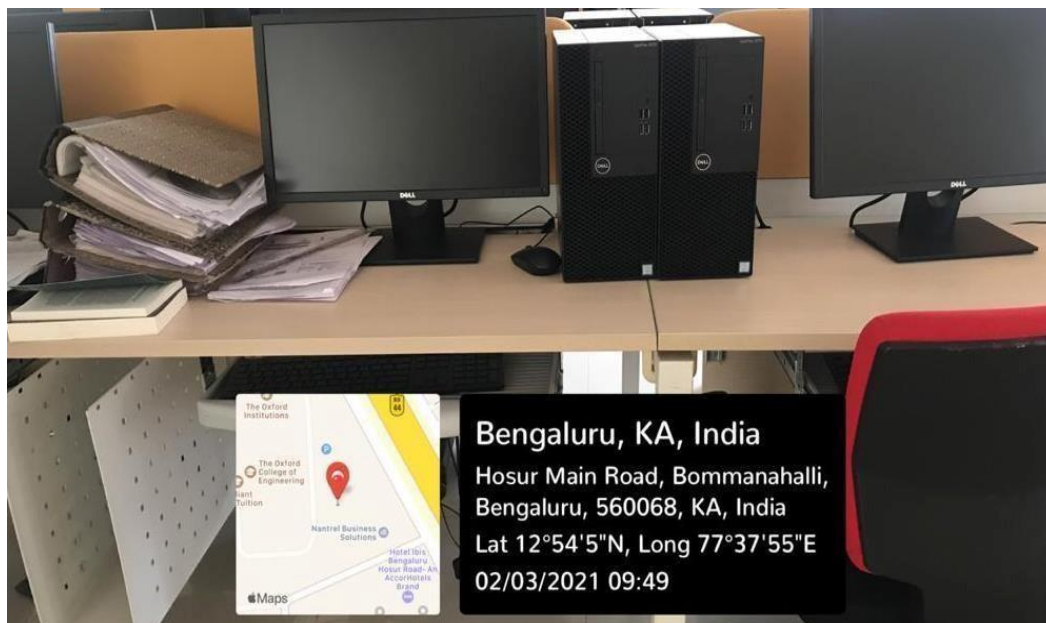
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Department of Master of Computer Applications (MCA)



Venue: Department of MCA – 6th Floor – New building, Room No: N603



ICT facility available in R& D Centre: Computers: 6, With LAN Connection

Software Licenses: Microsoft Campus Agreement License, RSA



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Hosur Main Road, Bommanahalli,
Bengaluru, 560068, KA, India
Lat 12°54'5"N, Long 77°37'55"E
02/03/2021 09:48

ICT facility available in R& D Centre: Computers :6, With LAN Connection



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Lat 12°54'6"N, Long 77°37'55"E
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Printer Facility available in R&D Center

Dean Research

43

Purneta Shrivastava

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