राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
is pleased to declare
K. S. Institute of Technology
Raghuvanahalli, Kanakapura Main Road, Bangalore Urban,
affiliated to Visvesvaraya Technological University, Karnataka as
Accredited
with CGPA of 3.26 on four point scale
at A+ grade
valid up to August 03, 2029

Date : August 04, 2024

Director

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

File No. 25-225-2020-NBA

Date 28-05-2024

To
The Principal
KS Institute of Technology,
No. 14, Raghuvanahalli, Kanakapura Road,
Bangalore-560062, Karnataka

Subject: Further accreditation status on the basis of Compliance Report of the programs applied by KS Institute of Technology, No. 14, Raghuvanahalli, Kanakapura Road, Bangalore-560062, Karnataka.

Sir,

This is regarding Compliance Reports submitted by **KS Institute of Technology, No. 14, Raghuvanahalli, Kanakapura Road, Bangalore-560062, Karnataka** for the UG Engineering programs which were accredited by NBA in Tier-II for academic years 2021-22 to 2023-24 i.e. upto 30/06/2024.

2. An Expert Team conducted data verification of the programs on **20th April, 2024**. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Computer Science & Engineering	Tier-II June 2015 Document	Accredited	Academic Years 2024-2025 to 2026-2027 i.e. upto 30-06-2027	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier
2.	Electronics & Communication Engineering		Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted accreditation for further 3 years. **KS Institute of Technology, No. 14, Raghuvanahalli, Kanakapura Road, Bangalore-560062, Karnataka** should submit fresh online application under SAR Tier II Document through eNBA portal not before five months from the expiry of validity of accreditation mentioned above.

5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to **KS Institute of Technology, No. 14, Raghuvanahalli, Kanakapura Road, Bangalore-560062, Karnataka as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

6. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109

Contd/..

Tel: +91 11 2436 0620-22, 2436 0654; Telefax: +91 11 4308 4903
Website: https://www.nbaind.org | Email:membersecretary@nbaind.org

7. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. A copy each of the Report of the Visiting Team in respect of the above programs is enclosed.

Yours faithfully,

(Dr. Anil Kumar Nassa)
Member Secretary

Encls: 1. Copy each of the Report of the Visiting Team in respect of the programs.

Copy to:

1. The Registrar,
   Visvesvaraya Technological University
   Jnana Sangama, Belgaum-590018, Karnataka

2. Principal Secretary (Hr. & Tech. Education)
   Govt. of Karnataka, K.G.S. 6th Floor
   M.S. Building, R No. 645
   Dr. B.R. Ambedkar Road, Bangalore-560001, Karnataka

3. Director Technical Education
   Tantrik Shikshan Bhawan, Palace Road
   Bangalore-560001, Karnataka

4. Master Accreditation Folder of the State

5. Accreditation File

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Kammavari Sangham (R)- 1952
K. S. INSTITUTE OF TECHNOLOGY
Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, Accredited by NBA (CSE, ECE) , NAAC & IEI
#14, Raghuvanahalli, Kanakapura Road, Bengaluru – 560109
Tel: 28435722/724 E-mail: principal@ksit.edu.in Web: www.ksit.edu.in

UNIVERSITY RESULTS

VII SEMESTER

Sl. No	Branch	% of Pass	
		2023	2024
1	ME	100	92.31
2	ECE	96.19	96.43
3	CSE	98.31	100
4	AIML	-	97.62

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Kammavari Sangham (R)- 1952
K. S. INSTITUTE OF TECHNOLOGY
Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, Accredited by NBA (CSE, ECE) , NAAC & IEI
#14, Raghuvanahalli, Kanakapura Road, Bengaluru – 560109
Tel: 28435722/724 E-mail: principal@ksit.edu.in Web: www.ksit.edu.in

RESEARCH GUIDE

Sl.No	Research Guides	Department
1	Dr. Rekha B Venkatapur	Computer Science and Engineering
2	Dr. Dayananda R B	Computer Science and Engineering
3	Dr. Deepa .S.R	Computer Science and Design
4	Dr. Vijayalaxmi Mekali	Computer Science and Engineering
5	Dr.Chanda.V.Reddy	Computer and Communication Engineering
6	Dr. P N Sudha	Electronics and Communication Engineering
7	Dr. Sudarshan B	Electronics and Communication Engineering
8	Dr. Rekha N	Electronics and Communication Engineering
9	Dr. Dinesh Kumar D S	Electronics and Communication Engineering
10	Dr. Devika B	Electronics and Communication Engineering
11	Dr. Electa Alice Jayarani	Electronics and Communication Engineering
12	Dr. Dilip Kumar K	Mechanical Engineering
13	Dr. Umashankar M	Mechanical Engineering
14	Dr. Girish T R	Mechanical Engineering
15	Dr. Nagaprasad K S	Mechanical Engineering
16	Dr. Saleem Khan	Mechanical Engineering
17	Dr. Nirmala	Mechanical Engineering
18	Dr. Kiran Kumar S R	Chemistry
19	Dr. Jalaja P	Mathematics
20	Dr. Sheeja Krishnan	Physics

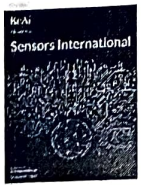
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Sensors International 5 (2024) 100278

Contents lists available at ScienceDirect

Sensors International

journal homepage: www.keaipublishing.com/en/journals/sensors-international



Evolution of SnO_2 nanoparticles for the electrochemical sensing of dopamine including photocatalytic toxic dyes degradation

S.R. Kiran Kumar [a], Harisha S [a,*], Jalaja P [b], B.K. Jayanna [c], K. Yogesh Kumar [d], M.S. Anantha [e]

[a] Centre for Nanosciences, Department of Chemistry, K.S. Institute of Technology, Bangalore, 560 109, India
[b] Department of Mathematics, K.S. Institute of Technology, Bengaluru, 560109, India
[c] Department of Chemistry, BNMIT, Bengaluru, 560070, Karnataka, India
[d] Department of Chemistry, School of Engineering and Technology, Jain University, Jain Global Campus, Jakkasandra Post, Kanakpura Taluk, Ramanagara 562112, India
[e] Department of Chemistry, HKBKCE, Bengaluru, 560070, Karnataka, India

ARTICLE INFO

Keywords:
Dopamine
SnO_2 nanoparticles
Modified carbon paste electrode

ABSTRACT

In the present study, SnO_2 nanoparticles were synthesized, and their structural features were evaluated by X-ray diffraction (XRD), scanning electron microscopy (SEM), energy dispersive X-ray analysis (EDX) and transmission electron microscopy (TEM) techniques. Modified electrodes (MCPE) were prepared and utilized to access the electrochemical behaviour of dopamine. This study was conducted in a phosphate buffer solution with a pH value of 7.2. The results indicate that the modified carbon paste electrode (MCPE), with a high active surface area, exhibited excellent electrochemical sensing properties and demonstrated good reproducibility and high sensitivity for the electrochemical determination of DA. Potentially interfering compounds were tested at the surface of the proposed sensor, confirming that, they did not interfere with the determination of DA under optimum condition. Additionally, the photocatalytic properties of SnO_2 were evaluated in degradation of cationic and anionic dyes. It was concluded that the higher photocatalytic activity in SnO_2 nanocomposites was attributed to their porosity and high surface area.

1. Introduction

Dopamine (3,4-dihydroxyphenethylamine), a biologically important organic compound belonging to catecholamine and phenethylamine families, plays a key role in brain and body metabolism of the human system. The functions of dopamine includes, cardiovascular, central nervous, renal and hormonal systems proving its importance in human metabolism [1,2]. Imbalances in the dopamine levels can lead to various disorder, such as Parkinson's disease, Tourette syndrome, Dementia, schizophrenia and attention deficit hyperactivity disorder (ADHD) [3, 4]. For neurophysiological analysis or diagnosis, controlling the concentration of DA is necessary. Various techniques have been developed over the past couple of decades for the selective and sensitive detection of DA, including chemiluminescence, fluorimetry, capillary electrophoresis, mass spectrographic and ion chromatography [5,6], etc. However, electrochemical process have gained widespread interest compared to the aforementioned techniques due to several advantages, such as rapid identification, ease, reproducibility, remarkable cost-effectiveness, non-destructiveness [7,8].

The easier oxidation of dopamine (DA) at the surface of the electrode is due to its electro-active nature; therefore, electro-oxidation-based electro-analysis of DA has been commonly proposed. The coexisting components in the samples may cause serious external interference on the bare working electrode. In this regard, various types of chemically modified electrodes incorporating polymers, metal ions, and carbon based nanoparticles, have been developed in recent years and tested for advancement of accuracy and sensitivity [9–12]. Generally, the working electrodes are used in electrochemical sensor and biosensors as an electrode materials [13–15]. The key benefits of the carbon paste electrode include the simple preparation process, the creation of a fresh surface for detection and the production of low residual current in large potential windows. Furthermore, they exhibit strong electrical conductivity and mechanical strength due to their high accessible surface area. Moreover, these carbon paste electrodes can be doped with organic and inorganic molecules with large π-conjunction, thereby improving the activity and accuracy of drug sensing [16–19].

* Corresponding author.
E-mail address: harish.ukkunda@gmail.com (H. S).

https://doi.org/10.1016/j.sintl.2023.100278
Received 29 September 2023; Received in revised form 30 December 2023; Accepted 31 December 2023
Available online 7 January 2024

Kammavari Sangham (R)- 1952

K. S. INSTITUTE OF TECHNOLOGY

Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, Accredited by NBA (CSE, ECE) , NAAC & IEI

#14, Raghuvanahalli, Kanakapura Road, Bengaluru – 560109

Tel: 28435722/724 E-mail: principal@ksit.edu.in Web: www.ksit.edu.in

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

47 th series of Student Project Programme (SPP): 2023-24

Sl. No	PROPOSAL REFERENCE NO.	PROJECT TITLE	BRANCH	NAME OF THE GUIDE (S)	NAME OF THE STUDENT (S)
1	47S_BE_3730	Prevention And Detection Of Botnet Attacks	Artificial Intelligence And Machine Learning	Mrs. Renuka Patil	Ms. Yashila R. Mr. Gurudeep R. Ms. Yogitha S. Mr. V. Varun
2	47S_BE_3782	Deepfake Creation And Detection For Multimedia Content	Artificial Intelligence And Machine Learning	Ms. Lakshmi K. K.	Ms. Rupa Rajasri Puthineedi Ms. M.Divyashree Ms. Poornima M. C. Ms. Tanmayee R.
3	47S_BE_1631	Cyber Aparadha Sambanditha Kaanunu Salahe (CAS-KS)	Computer Science And Engineering	Dr. Rekha B. Venkatapur	Ms. Ganashree K. Ms. Ganashree G. M. Ms. Dhanya Sharanya Shree R.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Gmail neelam patil radhika <npradhika.chem@gmail.com>

Fwd: Proposal Submission Confirmation

Shobha G <shobhag@sapthagiri.edu.in> Fri, Jun 21, 2024 at 1:00 PM
To: "shoha.g Gowda" <shohari1983@gmail.com>, neelam patil radhika <npradhika.chem@gmail.com>, "radhikanp@ksit.edu.in" <radhikanp@ksit.edu.in>

---------- Forwarded message ---------
From: **vgst.donotreply@karnataka.gov.in** <vgst.donotreply@karnataka.gov.in>
Date: Fri, 21 Jun, 2024, 12:58 pm
Subject: Proposal Submission Confirmation
To: shohari <shobhag@sapthagiri.edu.in>

Dear **Dr Shobha G,**

Your Proposal has been submitted successfully at Vision Group on Science and Technology Portal

Your Proposal details are as below.

VGST Reference Number	**VRN/003942/23-24**
Scheme	**Early Career Research Award**
Proposal Title	**Nanobiohybrid-Siderophore Bacterial Carriers for Enhancing Nutrient Uptake and Improved plant yield attributes of Lycopersicum esculetum**

You have attached the below listed documents.

File Name	Document Type	Description
SG-PAN.docx	PAN Card Copy	SG-PAN
SG-Ph.pdf	Highest Qualified Degree Certificate	SG-Ph.D
SG-EX.pdf	Experience Certificate (For MTech)	SG-EX
Radhika-EX.pdf	Others	Radhika-EX
Radhika-Certificate.pdf	Others	Radhika-Certificate
Radhika-PAN.pdf	Others	Radhika-PAN
Endrosement.pdf	Duly Signed & Scanned Copy of Endorsement from the Head of the College/Institution	Endrosement
PART-A.pdf	Part-A	PART-A
Institutional Support.pdf	Others	Institutional Support
Methodolgy.pdf	Others	Methodolgy
Scanned Application.pdf	Duly Signed & Scanned Copy of Application Form	Scanned Application
Undertaking.pdf	Duly Signed & Scanned Copy of Undertaking from Principal Investigator And Co-Principal Investigator	Undertaking

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

SHYLAJA K R

for successfully completing the course

Research Methodology

with a consolidated score of **75** %

Online Assignments	22.5/25	Proctored Exam	52.5/75

Total number of candidates certified in this course: **2928**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Feb-Apr 2024
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL24GE21S552302002 To verify the certificate No. of credits recommended: 2 or 3

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

ANUJA V M

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **69** %

Online Assignments	24.31/25	Proctored Exam	44.25/75

Total number of candidates certified in this course: **12432**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Encourage Continuous learning for faculty and students through online courses

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Kammavari Sangham (R)- 1952

K. S. INSTITUTE OF TECHNOLOGY

Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, Accredited by NBA (CSE, ECE) , NAAC & IEI

#14, Raghuvanahalli, Kanakapura Road, Bengaluru – 560109

Tel: 28435722/724 E-mail: principal@ksit.edu.in Web: www.ksit.edu.in

KAMMAVARI SANGHAM (R) - 1952

K. S. INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi, Karnataka)

(Accredited by NBA - CSE, ECE & MECH ENGINEERING)

(Accredited by NAAC)

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

CERTIFICATE OF APPRECIATION

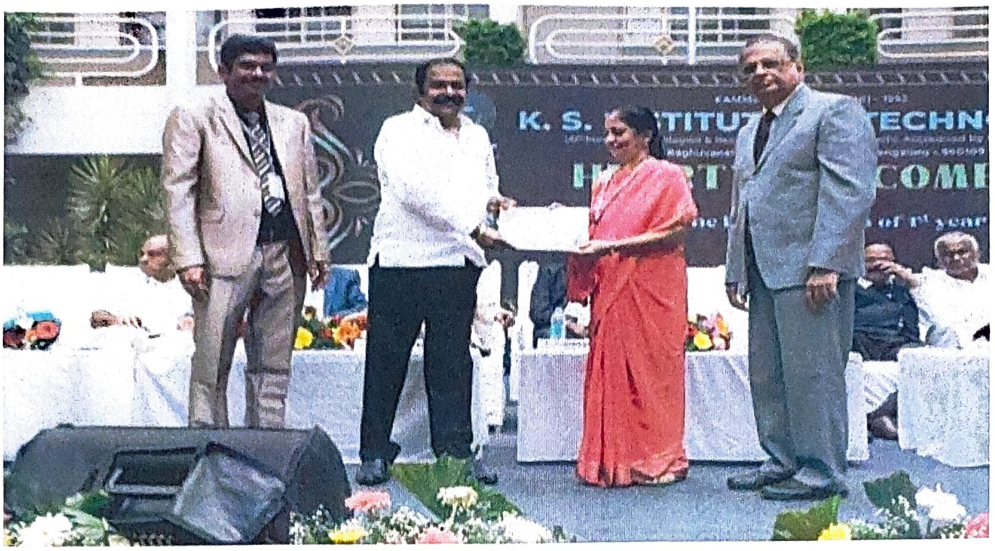
Dr. P. JALAJA serving as ASSOCIATE PROF & HEAD in the Dept. of AS & H has completed 10 years of continuous service in this institution as on 22/07/2023. The Management of KSIT in recognition of your dedicated services and as an acknowledgment of your valuable contribution to the institute is happy to confer with this honor of felicitation during the Inauguration of 1st year BE classes for the academic year 2023 - 24 on 9th September 2023.

Dr. DILIP KUMAR K. PRINCIPAL

Sri. R. LEELA SHANKAR RAO SECRETARY

Sri. K. RAJAGOPAL NAIDU PRESIDENT

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



KAMMAVARI SANGHAM (R) - 1952

K S INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi, Karnataka | Accredited by NBA (CSE, ECE) & NAAC A+ Grade

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

CERTIFICATE

OF APPRECIATION

Sri / ~~Smt~~ SOMASEKHAR T ..... in the department of CSE .... has achieved 100% result in VTU undergraduate (UG) examination for the subject DATABASE MANAGEMENT SYSTEM ..... during ... V ..... semester for the academic year 2023-2024. In recognition of your extraordinary achievement that has brought laurels to the institute and paved way for inspiring others, the management of KSIT has conferred with this honor of felicitation during the Inauguration of 1st year BE classes for the academic year 2024 - 25 on 30th September 2024.

Dr. DILIP KUMAR K
PRINCIPAL

Sri. R. LEELA SHANKAR RAO
SECRETARY

Sri. R. KALAGOPAL NAIDU
PRESIDENT

Acknowledges the faculty for their contributions

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

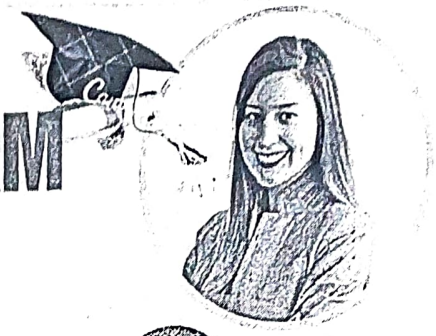
Kammavari Sangham (R) 1952,

K S Group of Institutions

K S RESEARCH AND INNOVATION FOUNDATION

KSRIF

UG RESEARCH PROGRAM



A PROGRAM THAT MAKES ALL THE DIFFERENCE !

Undergraduate Research (UG) programs for prefinal year students in KS Group of institutions provide a unique opportunity for students to engage in hands-on research experiences early in their academic journey. This program offers numerous benefits such as enhancing critical thinking skills, fostering creativity and innovation, developing problem-solving abilities, and providing a deeper understanding of their field of study.

Eligibility criteria

- KSGI Student
- Novelty in the proposed research area

what does a scholor get ?

- Scholorship
- Mentoring by Experts
- Skill Building Opportunity
- Internship at Industry
- Employability
- Publication Support
- International Connect

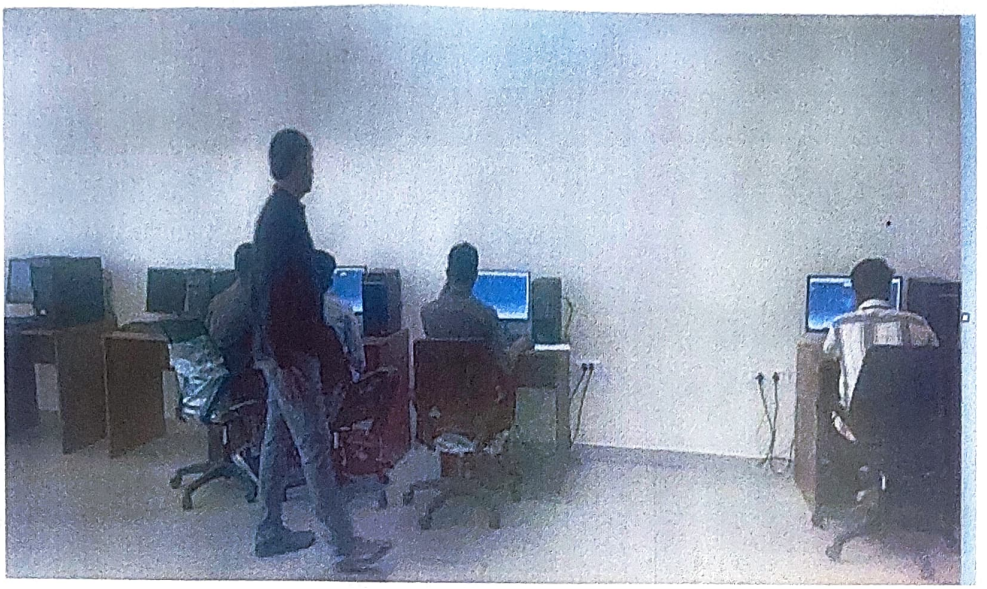
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

HURRY UP!!
REGISTER HERE

LAST DATE FOR REGISTRATION
20 Dec 2023

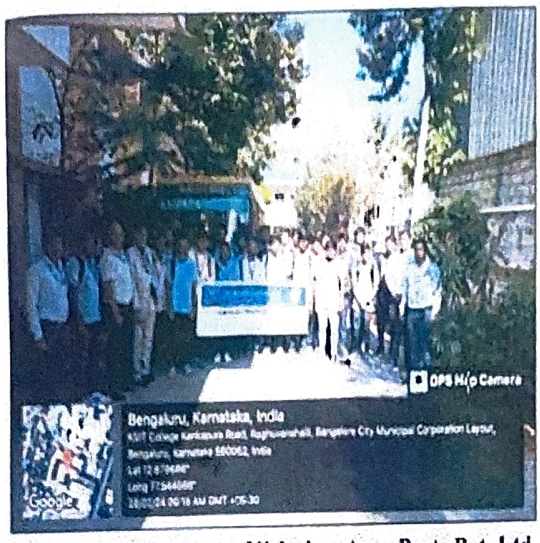
KSSEM

KSIT

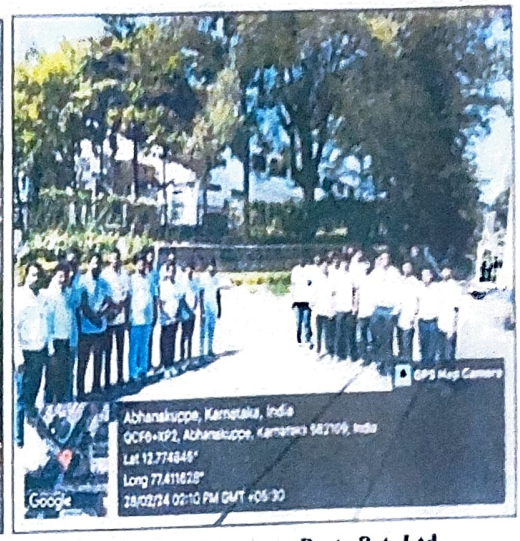


UG Research Programme

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



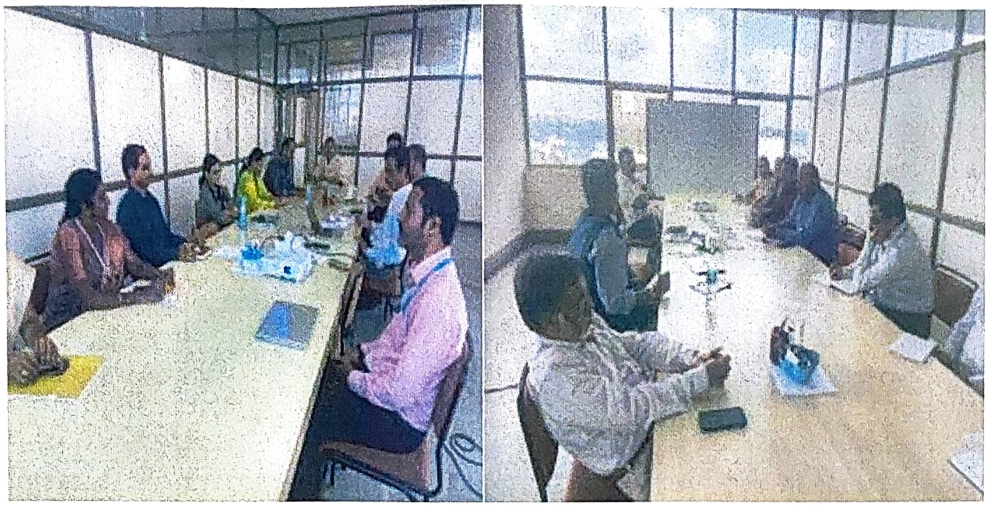
Industry Visit to Toyota Kirloskar Auto Parts Pvt. Ltd

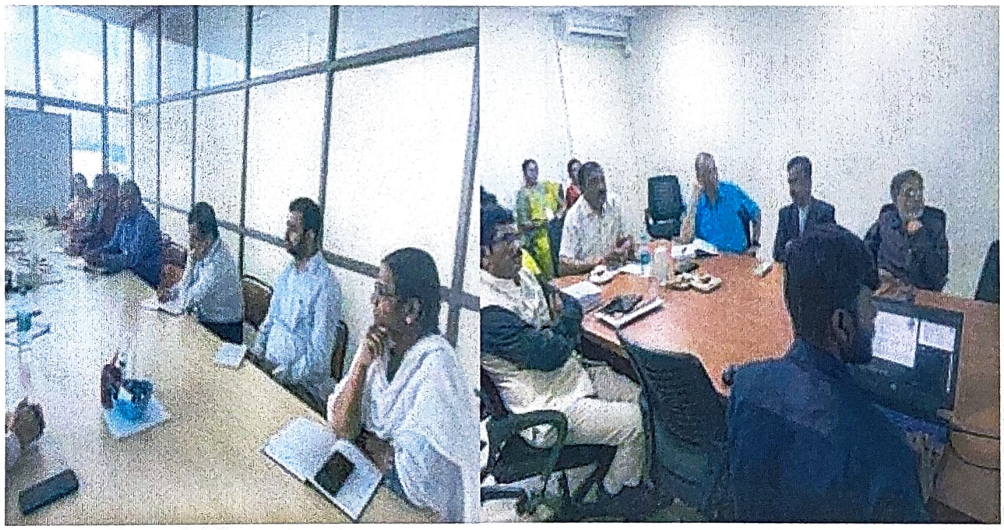


At Toyota Kirloskar Auto Parts Pvt. Ltd.

Industrial Visit to Toyota Kirloskar Auto Parts Pvt.ltd on 28/2/2024 in association with KSRIF

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.





Faculty Development Program - Proposal Writing

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Gmail

kiran kumar <kirankumarbrp1@gmail.com>

ATAL - Application Submitted

no-reply <aicte.admin@aicte-india.org>
To: kirankumarbrp1@gmail.com

Fri, May 24, 2024 at 1:36 PM

AICTE Training And Learning (ATAL) Academy

Hi Dr Kiran Kumar S R,

Your application with Application Number: 1715230512 has been submitted sucessfully!

Kindly verify your details.

Thanks,
Team ATAL

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.