KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Declared as Deemed to be University U/S 3 of the UGC act 1956
KARUNYA NAGAR, COIMBATORE – 641 114.

EXTERNAL ACADEMIC AUDIT REPORTS

(Odd Semester 2015-16)

of the Schools / Departments

Conducted by

External Academic Auditors

INDEX

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHOLL OF COMPUTER SCIENCE AND TECHNOLOGY

KARUNYA UNIVERSITY, COIMBATORE

ACADEMIC AUDIT-EXTERNAL EXPERT'S COMMENTS

Academic Year: 2015-2016   **Semester:** Odd Semester

Date: 15.12.15   **External Expert:** Dr.M.L.Valarmathi

- HOD signature in the detailed IA statement sheet is not available. It is better to use facsimile or use the photocopy of the report sent to COE.
- In lab manuals, sample coding need to be included.
- Model examination for laboratory subjects is suggested to improvise the quality of examination.
- Date of the lab exercise must be recorded properly in the observation notebook.
- Written notes/printout of teaching material is not provided according to the form.
- Group assignments are not entertained. Individual assignments are preferable. Problem solving skills can be enforced.
- Based on the courses, Quality of quality assessment methods can be improved.

EXTERNAL EXPERT

Dr.M.L.Valarmathi
Associate Professor,
Dept of CSE,
Govt. College of Technology,
Coimbatore.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHOLL OF COMPUTER SCIENCE AND TECHNOLOGY

KARUNYA UNIVERSITY, COIMBATORE

ACADEMIC AUDIT-EXTERNAL EXPERT'S COMMENTS

Academic Year: 2015-2016   **Semester:** Odd Semester

Date: 8.1.16   **External Expert:** Dr.G.Nagarajan

I have been given the opportunity to carry out the academic audit at CSE department of Karunya University on 8.1.2016. I summarize my findings as follows:

- The overall documentation and filing is perfect and neatly maintained for theory subjects and laboratories for the UG and PG courses.
- Most of the internal and end semester question papers are attaining the required standards.
- Summarization of results and quantification of grades by charts and graphs have been done in an appealing way.
- Very few faculty members were unable to document the few details that are indicated by the undersigned as per the format.
- As an academician, I personally feel more Case studies, Role play and Group activity may be encouraged instead of the preparation of chart and writing routine assignments.

I thank the authorities of Karunya University for the opportunity to carry out the academic audit.

I wish Karunya University all the best.

EXTERNAL EXPERT   8/1/2016

Dr.G.Nagarajan
Professor and Head.
Dept of ECE.
Pondicherry Engineering College.
Pondicherry-605014.

School of Computer Science and Technology

Department of Information Technology

Academic Audit Report Odd Semester 2015-2016

Dr. N. RajKumar, Ph.D

Professor & Head,

Department of Software Engineering,

Sri Ramakrishna Engineering College,

Coimbatore-22.

Academic Audit Report:

1. Syllabus copy must be signed by both faculty and HOD of the department. Maintain a separate page for syllabus of each subject.
2. No. of absentees and signature of the faculty must be recorded in the blue book
3. Teaching plan needs to be signed by both faculty and HOD.
4. Teaching plan period will be 45 hours (unique).
5. Textbooks must be included in the syllabus.
6. Textbooks or Reference books specified in the teaching plan must be numbered.
7. Book References in the teaching plan must be given as T1, T2 or R1, R2. Complete name of author, name of the book, publishers, are not necessary.
8. Strictly follow Bloom's taxonomy while preparing for both internal assessment and end semester questions.
9. Content beyond the syllabus also need to be incorporated. If the no of hours to be handled is 45 hours. Additional 3 hours has to be added to deliver content beyond the syllabus.
10. Question paper and answer key has to be prepared for all the three internal tests.
11. Rather than giving typed assignments, hand written assignments have to be given to the students.
12. Update the term objective into objectives as there is more than one objective.
13. Avoid short forms for the name of the subjects.
14. The subject title must be general and not be specific like Artificial Intelligence for games.
15. Web resources or sources of information to be removed from the Teaching plan.

Signature

Karunya nagar

5.1.16

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School of Computer Science and Technology
Department of Computer Applications

Academic Audit Report – Odd Semester (2015-2016)

Department of Computer Applications has conducted the Academic Audit on 12/01/2016. Dr. L. Arockiam, Associate Professor, Department of Computer Science, St. Joseph's College, Trichy-2 has audited the course files.

Following are the merits of the course files:

1. The Attendance and Assessment Records are well maintained.

2. Standard of question papers is up to the mark.

3. Answer scripts are properly evaluated and marks are given as per the performance of the students.

4. In general, Quality Assessments are good.

5. Lab observation and records/manuals are well maintained.

Following are the suggestions may be incorporated in future process:

1. A proof reading is essential in all internal/external question papers.

2. In the lab-Observation, the output layout can be included by the students.

3. In the Indicative reading more recent books can be prescribed and referred.

4. For the Ist Year B.Tech, more remedial sessions can be conducted to improve the programming logic.

Signature and Date

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REPORT OF THE AUDIT OF FACULTY COURSE FILES FOR THE ACADEMIC YEAR 2015-2016 CONDUCTED ON 7TH MARCH AND 10TH MARCH, 2016 AT KUBS, COIMBATORE

External Auditor:

      Dr N Vivek

      Associate Professor

      PSG Institute of Management

      Peelamedu, Coimbatore-641004

Hereby I have verified 79 course files for the odd trimester/semester for the period July 2015-January 2016. The overall rating of the documentation is good. Some observations are noted below

Observations of the Audit

1. All faculty have followed most of the teaching learning process with sincerity.
2. The quality of test questions papers is OK
3. The valuation of the tests and assignments are fair
4. The blue book has been mostly filled in, though many did not enter the syllabus coverage notings and many have failed to obtain director's signature and its missing
5. Most files do not have the forms (4, 5, 6A, etc), placed in order and many forms are incomplete
6. Some faculty have not filled in first pages of test papers when correcting the papers.

Suggestions to improve the Academic Audit:

1. The forms can be made online for ease of compiling and have e-documentation done.
2. All faculty may be asked to file the forms in the beginning of the files in a sequential order.

N Vivek

Dr N Vivek

Dr. N. VIVEK, B.E., MBA., Ph.D.
Associate Professor
PSG Institute of Management
PSGCT, Coimbatore - 641 004
vivek@psgim.ac.in

Karunya University

(Karunya Institute of Technology and Sciences)
(Declared as Deemed to be University under Sec. 3 of the UGC Act 1956)
Karunya Nagar, Coimbatore – 641 114

Department of Mechanical Engineering

Report on Academic Audit

We have audited about 75 files of the Department of Mechanical Engineering on February 6, 2016. The following observations were made.

1. In general, it was observed that standards maintaining here are on par with the high ranking institute.
2. In one or few Blue book register, the internal marks entry was not carried out properly.
3. Time Table entry and the class coverage entry have not been completed in Blue Books.
4. In some cases it was found that the quality assessment marks entered in the Blue Book is not matching with the consolidated printed one.
5. Since the test marks is not entered inside the test papers, it is not possible to audit the valuation process.
6. In the end semester question paper, some of the drawings are not clear (example Engineering Mechanics)
7. Some of the question paper may include sub division instead of giving a full question for 20 marks.
8. Few end semester questions are of below standard when compared to the test Question paper.
9. Quality assessment valuation is generally liberal.
10. In few of the Blue Books, Quality Assessment marks are not entered. Hence could not be verified.

Dr. K. Marimuthu,
Associate Professor,
Dept. of Mechanical Engg.
Coimbatore Institute of Technology,
Coimbatore

Dr. A.R. Lakshmanan,
Associate Professor,
Dept. of Mechanical Engg.
PSG College of Technology,
Coimbatore

~municated to all members of ME faculty

KARUNYA UNIVERSITY
(Karunya Institute of Technology and Sciences)
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Karunya Nagar, Coimbatore-641 114
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External Audit Reports of Academic Files (Odd Semester 2015-16)
Department of Aerospace Engineering
School of Mechanical Sciences
held on 16.12.2015

Thirty two files were scrutinized and the following observations are made:-

1. All files are maintained properly. However all columns are to be filled in / or deleted. Syllabus plan /coverage mismatch to be avoided.

2. Laboratory records are maintained properly some of the lab manuals are not attached.

3. Answer sheets are well evaluated.

4. Quality Assessment has been done using assignments/seminars /viva properly balanced. However seminar presentation topics are not given.

5. Standard of questions can be slightly improved.

6. Self-study topics can be given to the students.

7. Assignments can be graded with difficulties and can be given to the students.

HoD- Aerospace

Dr. A P Haran
Professor & Head
Dept. of Aeronautical Engineering,
Park College of Engineering & Technology,
Kaniyur, Coimbatore – 641659, Tamil Nadu
16/12/15

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The overall performance on academic audit is found to be very satisfactory. Improvement is found in the work carried out by the faculty. However, few suggestions for further improvements may be incorporated.

- Course outcome may be specified in the end semester question paper also.
- Distribution of marks for each division should be shown in the corrected answer sheets.
- It is observed that objective questions/quiz for all subjects, along with assignments is conducted by many faculty which may be followed by the entire faculty.
- It is also observed that assignments are not corrected by many faculty.
- Assignments given shall be innovative and of various categories as given in Form No 7.
- Test set up sketch and other relevant sketches to be drawn in the record which was commented in the previous academic audit.
- Procedure in the record shall be reported in passive voice which was commented in the previous academic audit.
- CO attained shall be indicated in each answer sheet and also in the course file.

Audited by

(Dr.P.D.Arumairaj)

Prof. of Civil Engineering Department

Government College of Technology, Coimbatore.

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Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)

Karunya Nagar, Coimbatore 641 114.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EXTERNAL AUDIT REPORT

Name of the Department : Electronics and Communication Engineering

External Auditor Name and Institution: Dr.K.Rajalakshmi, PSG College of Technology, Coimbatore.

Auditing Date : 20.01.2016 & 21.01.2016

Year : 2015 – 2016 (Odd Semester)

Comments/ Suggestions given by External course file Auditor during Auditing:

1. Course objective & outcome for Embedded systems(Non CBCS) could be atleast two points.

2. In many answer sheets marks are entered inside the answer booklet.This could be avoided

3. Bloom's Taxonomy must be adopted for question paper setting.

4. Template for question paper must be prepared and the same must be followed to maintain the standard formatting.

5. Report preparation for quality assessment must be taken care and should be of certain standards

6. Literature survey for Electron Devices &Instrumentation (14EC2019) is not needed for 3rd year students.

7. Lab observation, lab record and Lab manual for Microprocessor lab &Microcontroller lab are missing in course file.

8. Indirect questions may be asked for end semester lab exam.

CO-ORDINATORS

HOD-ECE

EXTERNAL AUDTIOR

COMMENTS ON ACADEMIC AUDITING

Department: Electrical & Electronics Engineering

Academic Year: Odd Semester 2015 – 16

Date of Audit: 11-01-2016

General

The overall performance of the faculty with regard to academic audit is found to be very satisfactory and the staff members have taken care to maintain quality. I wish to suggest few improvements in order to enhance the quality further which can be incorporated if possible.

1. The syllabus for the subject 14EE1001 Basic Electrical Engineering can be modified slightly to suit the requirements of different stakeholders.
2. Marks distribution with respect to Course Outcomes shall be included in the course file.
3. Laboratory simulation questions need to be a bit challenging.
4. Open source softwares like SCILAB shall be taught to students as a value added course.
5. Digital control of power converters can be included for PG students..

Name & Signature of the Auditor : Dr. S. Ramkumar

Designation : Professor & Head

Dr. S. RAMKUMAR, M.E.,Ph.D.,
PROF & HEAD
DEPT. OF EEE
SKCET
COIMBATORE - 641 008

Official Address of the Auditor : Department of Electrical and Electronics Engineering
Sri Krishna College of Engineering and Technology
Coimbatore 641 008.

School of Electrical Sciences
Department of Electronics and Instrumentation Engineering

External Academic Audit Report

Date: 07/01/2016

Name of the External Expert: Dr. D. Angelin Vijila
Professor & Head,
Control and Instrumentation Engineering,
Sri Ramakrishna Engineering College, Coimbatore
hod-ci@srec ac.in
Ph: 9443868655

Expert Comments:

Some of the positive aspects of the academic audit:

- The staffs have improvised the standard of Question paper setting which was commented in the previous audit.
- Proper Course file maintenance.
- Staffs have followed innovative practices in choosing Quality assessment parameters.

Suggestions given by the external expert:

- In laboratories the observation and record books have to be signed by the concerned staffs with date
- For Quality assessment (MINIPROJECT) proper proofs have to documented.
- It will be preferable if the question paper have application oriented questions than action verbs.
- Since it is mandatory to handle 45 hours for 3 credit paper and 60 hours for 4 credit paper, the staffs have to be follow the same. If not compensation classes have to be taken.

External Expert

REPORT ON EXTERNAL ACADEMIC AUDIT HELD ON 01.03.2016 FOR THE DEPARTMENT OF ELECTRONICS AND MEDIA TECHNOLOGY, KARUNYA UNIVERSITY, COIMBATORE -114

Around 50 numbers of records were submitted and scrutinised for the academic audit of the Department of Electronics and Media Technology of Karunya University, Coimbatore. Almost all the records are maintained appropriately and complete with respet to the required norms.

However a negligible number of records have one or two of the following shortcomings.

1. Timetable and Syllabus copy was not available.
2. Answer scripts corrected but sub division marks are not entered in the front page.
3. Final exam Question Papers are not attached
4. Assignments are not corrected but awarded marks.

Credits: Most of the lab experiments are innovative

Dr.Meena Srinivasan
Associate Professor
Department of ECE
Govt.College of Technology,
Coimbatore -13

Department of Biotechnology
School of Biotechnology & Health Sciences

Academic Audit – Odd Semester (2015 – 2016)
Minutes of the Academic Audit held on 09.01.2016

Theory:

- Syllabus, Lecture plan, stand of question papers were found to be excellent.
- No. of questions to be increased in the essay type of questions of M.Tech programme.
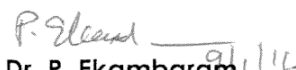- Appropriate assignment topic has to be given

Laboratory:

- No. of relevant practicals has to be included.
- Practicals must be handled by 2 faculty / practical.
- Laboratory hours in the time table should be increased.
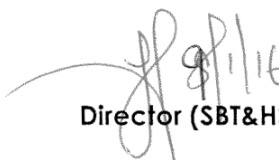- 2 hrs practical examination duration to be increased as minimum 3 hrs.

Evaluation:

- More weightage has to be given for mini projects.
- Logical and reasoning questions to be included.
- Direct questions to be avoided.

Audited by

Academic coordinator
(G. GNANAVEL)

P. Elcand

Dr. P. Ekambaram,
Assistant Professor,
Department of Biotechnology,
Bharathiyar University,
Coimbatore.

Director (SBT&HS)

Department of Bioinformatics
School of Biotechnology & Health Sciences

Academic Audit – Odd Semester (2015 – 2016)
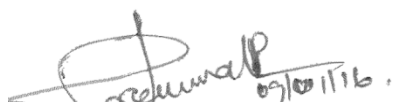Minutes of the Academic Audit held on 09.01.2016

Theory:

1. The theory paper syllabus, teaching plan satisfies the student level.
2. The students also do regular assignments seminar but journal paper seminar on the subject may be included.
3. Expert Guest Lecture in each subject from outside Institution may be included.

Laboratory:

1. In lab courses no of experiments is small less than 10 to be increased.
2. The exercise also very simple even in PG level too. To be improved.
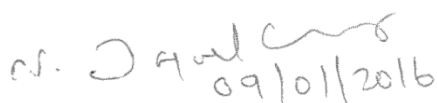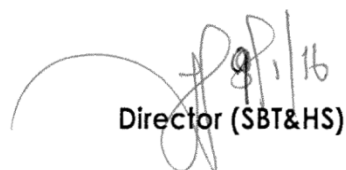3. May be a mini-project of student choice considered and included as additional.

Evaluation:

1. Find as per standard criteria of 3 – tests, Assignment, seminar followed.
2. Current systems is fine.

Audited by

Academic coordinator

Dr. N. Jeyakumar,
Professor, Bharathiar University,
Department of Bioinformatics
Coimbatore – 641 046

HoD i/c (Bioinformatics)

Director (SBT&HS)

Department of Food Processing and Engineering
School of Biotechnology & Health Sciences

Academic Audit – Odd Semester (2015 – 2016)
Minutes of the Academic Audit held on 09.01.2016

Theory:

- More emphasis should be given on derivations and problems in Engineering courses question paper.
- Subdivisions may be given in essay type questions.

Laboratory:

- Students may be given Hands on training in Food Science and product development courses.
- Students may be asked to draw schematic diagram of the equipments in engineering courses to improve skills.

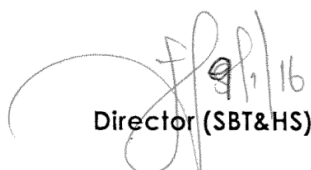### Evaluation:

- The overall evaluation pattern of the students is very good.
- Students may be asked to collect literature for their assignment.

Audited by

Academic coordinator

Dr. M. Balakrishnan
Assistant Professor
Department of Food and Agricultural
Process Engineering
Tamil Nadu Agricultural University
Coimbatore – 641 003

HoD (FP&E)

Director (SBT&HS)

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ACADEMIC AUDIT REPOR ODD SEMESTER 2015 -2016

To

The Director,
School of Science and Humanities,
Karunya University,
Coimbatore

Through

The Head of the Department
Department of Mathematics

Madam,

Over all maintenance of course file of the staff members of the Mathematics Department is very good. I would like to give some suggestions for improvement in the future.

1. Necessary signatures are missing in the detailed internal theory marks
2. Overwriting should be avoided while marking the attendance.
3. Repetition of teaching plan in blue book and in hard copy can be avoided.

General comments
1. Students may be advised to take all the tests seriously as the number of failures is more in certain classes.
2. Students with single digit marks (few students) may be looked into separately.
3. Students may be advised to attend the Mathematics classes regularly, as there are more absentees in many class.

External Academic Auditor

Mr. E. Ramesh Kumar
Associate Professor
Department of Mathematics
CMS College of Arts and Commerce
Coimbatore.

Date: 11 Feb 2016   **Place: Karunya University**

KARUNYA UNIVERSITY

Karunya Institute of Technology & Sciencves
(Declared as Deemed-to-be University under Section-3 of the UGC Act,1956)
Karunya Nagar, Coimbatore 641 114, Tamil Nadu,

ACADEMIC AUDIT REPORT- JANUARY 2016

To	Through
The Director,	The HOD,
School of Science and Humanities	Chemistry Department
Karunya University,	Karunya University

Sir,

Sub: External Academic Report January - 2016 in Chemistry –reg.,

The files are maintained by the individual faculty for the theory as well as practical courses have been scrutinized and the following observations have been made:

1. In general the documents are well maintained by all the staff members.

2. The manual book for Pre Engineering Program is well appreciated. The mark entries made by the staff in manual book are good.

3. The standard of syllabus is highly commendable. The question paper, answer scripts evaluation is quite standard.

4. Internal Quality assessment evaluation pattern is good in PG Chemistry.

5. The test marks for each tests and quality assessment to be mentioned in the detailed internal mark statement by the system (My karunya).

With best wishes

09.01.16

External Academic Auditor

Dr. S. Manonmani
Associate Professor & Head
Department of Chemistry
P S G Arts and Science College,
Coimbatore 641014.

Date: 09.01.2016
Place: Karunya University

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Karunya UNIVERSITY
(Karunya Institute of Technology & Sciences)
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Department of English

Academic Audit Report

Name of the External Auditor/Institution:

Dr. SUSHIL MARY MATHEWS
Associate Professor, Department of English
P. S. G.R. Krishnammal College for Women, Peelamedu
Coimbatore

It was indeed a great pleasure to carry out the Academic Audit of the Department of English for the odd semester of 2015 on the 18th of Feb 2016.

The audit was carried out and the report is presented.

Comments and Observations:

1. The Attendance and Assessment record both Blue and Yellow books have been meticulously maintained.
2. The question papers without choice, stands testimony to the in-depth and effective teaching.
3. The answer scripts of the students are evaluated with care and the remarks mentioned by some of the faculty are an advantage to the students.
4. Quality assessment is effective.

Suggestions for improvement:

The Course description can be given one below the other as
   1.
   2.

   Or in tabular column –for eg.

   S.No   Author   Title   Publication   Publication date

   2. The question paper pattern can be included for the core subjects at the end of the course description.

Dr. Sushil Mary Mathews 18/2/16

SRI RAMAKRISHNA ENGINEERING COLLEGE

[Autonomous Institution, ISO 9001-2008 Certified, Approved by AICTE and
Affiliated to Anna University, Chennai, All eligible courses Accredited by NBA,
Accredited by NAAC with 'A' Grade]

Coimbatore – 641 022

Dr. T. Daniel THANGADURAI
Professor and Head
Department of Nanoscience and Technology

Phone: +91- 422- 246 1588; Extn: 396
Mobile: +91- 89400 15441
E-mail: danielt@srec.ac.in

8.3.2016

Submitted to the IQAC at Karunya University

Dear Sir/Madam,

    Subject: Academic Audit Report of the Department of Nanoscience and Technology and Department of Physics regarding.

    Thank you very much for the nomination as Expert member for academic audit in the Department of Nanoscience and Technology and Department of Physics at your esteemed institution on 8.3.2016. I have gone through both CBCS and non-CBCS course files of both above mentioned departments. In addition to the individual file evaluation remarks, I'd like to submit the following general comments and/or recommendations for your kind reference.

(1) If the teaching plan contain the details of "Content beyond Syllabus", will not only be benefitted for the students but also to bridge the gap between curriculum POs. For example, we can update the current research trend on that particular topic or social awareness which is related to the subject. It can be taught either by video or interactive session or discussion. Web links can also be utilized which should be mentioned in the teaching plan.

(2) NPTEL/MIT/Course video lectures can be utilized to extend of coverage on topics as mentioned in the syllabus. So that the students can have better basic knowledge and future idea on the subject.

(3) The answer key for the internal test question paper can be displayed for a day (from as soon as the test starts) for the students benefit and for the transparency as well.
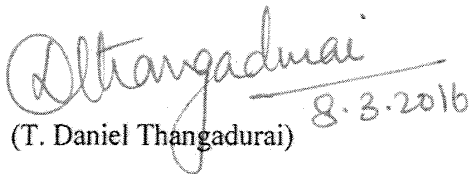
(4) After every semester examination, the faculty can submit a feedback on that particular course stating about what are all the benefits/advantages that students received because of this subject and how to improve it in the future semesters.

(5) The file content should be in order as per the check list and maintained uniformly in the whole department. For example, the consolidated internal mark list was missing in few files.

(6) Please mention the Unit wise information in the teaching plan. In few files it was missing as well as lab manuals too.

(7) For the benefit of the students, the laboratory observation should be hand written. So that the student can remember what he/she has done during the practical classes.

(8) The unit wise course material (PPT & video lectures) can be stored in DVD to attach in the course file.

(9) Mapping of COs with POs is very much appreciable.

Finally, if an auditor found an incomplete course file(s) (for example, without end semester question paper) and try to give some suggestions and/or recommendations to concern faculty, he/she should NOT argue as if what they have done is correct. In addition to that he/she should NOT insist to auditor what to write as remarks.

I thank all the teaching faculty members of both the department for their kind cooperation.

Thanking You.

Yours sincerely,

8.3.2016

(T. Daniel Thangadurai)

Dr. T. Daniel THANGADURAI
Professor and Head
Department of Nanoscience & Technology
Sri Ramakrishna Engineering College
Coimbatore - 641 022