## Mandatory Disclosure (2022-23)

1.	NAME OF THE INSTITUTION Address of the Institution State Telephone number Mobile Number E-mail Website	: Ghousia College of Engineering : Bangalore Mysore Road, Ramanagara – 562 159 : Karnataka : 080-27273577 : 9141158461 : principalgce@gmail.com : <u>www.gce.edu.in</u>
2.	NAME AND ADDRESS OF THE TRUST Address of organization Telephone number E-mail Website	<ul> <li>: Ghousia Industrial &amp; Engineering Trust</li> <li>: Near Christ College, Hosur Road, Bengaluru – 560 029</li> <li>: 080-25536268</li> <li>: Secretarygiet@gmail.com</li> <li>: www.ghousia.edu.org</li> </ul>
3.	NAME AND ADDRESS PRINCIPAL	: Dr. Mohammed Zahed Ansari
	Exact Designation	: Principal
	Contact Number	: 9141158461
	Email	: principagce@gmail.com
	Highest degree	; Ph.D.
	Field of Specialization	: High Voltage Engineering
4.	NAME OF THE AFFILIATING UNIVERSITY	: Visvesvaraya Technological University,
	Address	: Jnana Sangama, VTU Main Rd,
		Visvesvaraya Technological University,
		Machhe, Belagavi, Karnataka 590018
	Website	: <u>www.vtu.ac.in</u>

### 4. GOVERNANCE

✤ Member Of Board of The Trustees

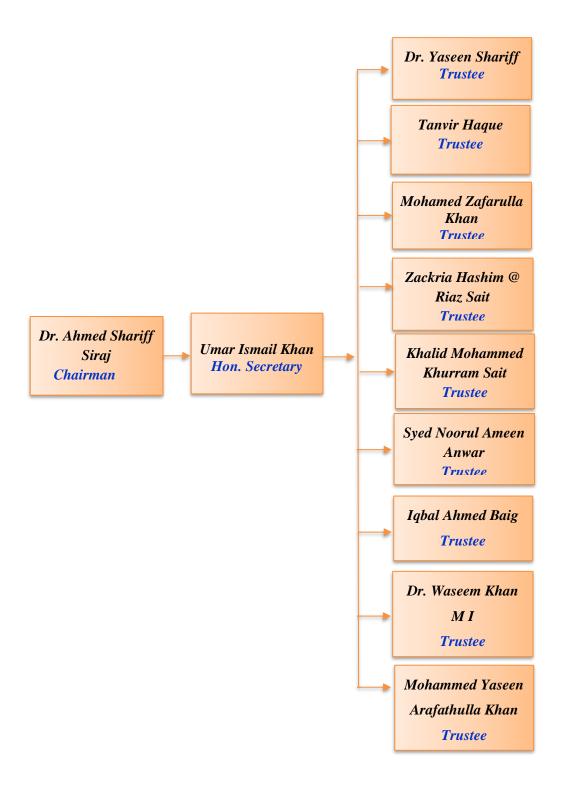
	NAME OF BOARD MEMBER	DESIGNATION
1	Dr. Ahmed Sharieff Siraj	Chairman
2	Mr. Umar Ismail Khan	Hon. Secretary
3	Dr. Yaseen Sharieff	Trustee
4	Mr. Tanvir Haque	Trustee
5	Mr. Iqbal A Baig	Trustee
6	Zackria Hashim	Trustee
7	Mr. Mohammed Zafrullah Khan	Trustee
8	Syed Noor-Ul-Ameen Alias Anwar	Trustee
9	Khalid Mohammed Khurram Sait	Trustee
10	Dr. Waseem Khan .M .I	Trustee
11	Mohammd Yaseen Arafathulla Khan	Trustee

Board Meeting Conducted twice annually

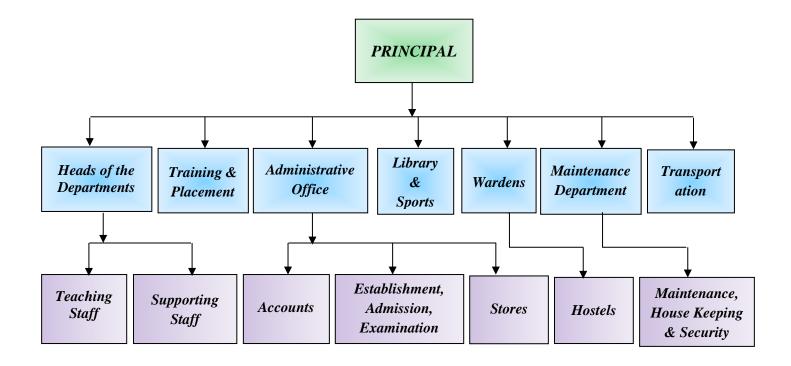
## Member Of Academic Advisory Body

	NAME	DESIGNATION
1	Dr. Ahmed Sharieff Siraj	Ex-Officio Member
2	Mr. Umar Ismail Khan, Hon. Secretary	Ex-Officio Member
3	Mr. Tanvir Haque	President, Governing Council
4	Mr. Iqbal A Baig	Trustee
5	Dr. Md. Zahed Ahmed Ansari, Principal	Member Secretary
6	Dr. N.S. Kumar HoD Civil	Member
7	Dr. Mohammed Mohsin Ali H.HoD Mechanical	Member
8	Dr. Javid Akhtar,HoD EEE	Member
9	Dr. Faheem Ahmed Khan, HoD EC	Member
10	Dr. Dilshad Begum, HoD CSE	Member
11	Dr. K.G.Manjunath, HOD Chemistry	Member
12	Dr K.Fakruddin, HOD Physics	Member
13	Mr. Aejaz Ahmed K .R Administrative officer	Member

## ORGANIZATIONAL STRUCTURE OF GHOUSIA INDUSTRIAL & ENGINEERING TRUST, BANGALORE



# ORGANIZATIONAL STRUCTURE OF GHOUSIA COLLEGE OF ENGINEERING



Nature and extent of involvement of faculty and students in academic affairs/improvement

## Initiatives taken to inculcate the spirit of research amongst faculty and students are as follows: Following research policy was framed.

- Financial assistance is provided for publications
- Facilities such as flexibility in timings, use of laboratories etc are extended to faculty as per requirement

• Implementing a policy for distribution of Testing and Consultancy charges to motivate faculty for providing consultancy

• Faculty with an aptitude for research are identified. Faculty are encouraged to apply and obtain research grants from various Government and non- Government, research funding agencies such as UGC, DST, AICTE, RGSTC, SPPU (BCUD) etc.

• Generating awareness amongst the researchers and providing support related to various proposal formats of different funding agencies, budget, purchases of equipment and material under research schemes, account and audit of project expenditure, any additional infrastructure requirements of the researcher etc.

• Increasing faculty and student publications by providing financial assistance

• Collaborative research partnerships with academic institutes and industry are encouraged and fostered. Collaborating/partnering with research institutes/ laboratories like Tata Institute of Fundamental Research, Indian Institute of Science Education and Research, for student projects and teacher projects

• Assistance is provided for filing patents

• An Industry Institute Interaction Cell works in close coordination with the industries and the institute for encouraging both students and faculty to work on live projects. (Obtain industry sponsored projects)

• Setting up recognized research centers for M.Tech. and Ph.D. degree

• An initiative is taken by Library to help researchers in understanding recent updates of their publications in terms of citation index, h-index, etc.

• In-house development of both lab equipment and software

• **Community engagement** - Extra Curricular Activities: The institute believes that we have a responsibility towards society and that technology should be brought to the use of community. National Social Service (NSS) activities make students responsible towards society, environment, global issues, etc and develop into responsible citizens.. Through interactions with the village 'Sarpanch' and the villagers, social issues were identified and activities were conducted for creating awareness/technology based solutions were found for the rural problems. The objective of this exercise was to enhance the quality of living of the villagers. Some of these activities are as follows:

- Conducting Quiz, General Knowledge & Basic Mathematics Skill To Rural Community Of Channapatna Schools and To Achieve Good Academic And Enhance Their Enrollment In Higher/ Technical/Vocational Education.
- Contribution To National Mission "Swachh Bharath Abhiyan" By Collected Waste Plastics,

Plastic Bottles And Many Unwanted Plastic Materials Around Janapada Loka, Ramagaram

- motivating a girl child and for engineering education
- Providing training on alternative energy sources

• Organization of on "Sustainable Rural Development". Activities like reconstruction of school playground, computer education to school children, etc. are also taken during this camp

- Organization of Tree plantation activity in association with Gram Panchayat RMSA Old Daira
- Organization of residential camp to educate villagers to get rid of their bad habits and addiction
- Organization of Environmental Awareness Program

• Human resource management GCE management believes that faculty and staff are the backbone of the institute and that its success depends on the quality of human resources. Therefore, the objectives of human resource management are focused on maximizing employee performance. Priority is given for recruitment of suitable, competent faculty, training them to meet their teaching objectives, helping them realize their potential, rewarding high performing faculty and counseling low performing faculty based on their performance appraisal. In addition,

• Training is arranged for teaching as well as nonteaching staff by identifying training needs, for enhancing professional competencies, teaching and soft skills

• Service rules are transparent and benefits like Provident Fund, Gratuity, Group Insurance Scheme, Mediclaim etc. are provided to employees

• The institute arranges financial planning lectures for staff, to assist them for effective planning of their finances

• The institute arranges lectures for staff, to assist them for effective stress management and health

• Institute implements a variety of welfare schemes for teaching and non-teaching staff like Mediclaim Policy, Group Insurance, Provident Fund, Credit Cooperative Society, Gratuity

•Industry interaction As part of the quality improvement strategy and to bridge the gap between academics and industry, the institute has established an Industry-Institute Interaction cell (I2IC) and IAB. Regular interaction with the industries is established through meetings, guest lectures, internships, projects and industrial visits.

### In order to enhance industry interaction, the following strategies are implemented:

• Departments to appoint industry coordinator who will interact with the industries by approaching local industries: to understand their expectations in terms of knowledge and skill requirements in a graduating engineer

• To identify and invite industry experts to deliver content beyond syllabus and make students aware of contemporary issues and engineering practices adopted in the industry

• To provide industry exposure to students through internships in industry, industry visits and enable them to pick up skills besides what is being imparted in the classrooms

Obtain industry sponsored final year projects

### Mechanism /norms and procedure for democratic /good Governance

The management recognizes the need for decentralization for the growth of the institute and accords autonomy commensurate with the level of management. Heads are appointed who are given autonomy for efficient governance. The roles and responsibilities of administrators / decision makers for various assigned jobs listed below clearly depict the delegation of authority, providing operational autonomy leading to a decentralized governance system.

#### Principal

To implement and monitor the education system to cater to the institute's vision and mission.

With academic development of the institute and monitors progress of various teaching/learning processes.

• Director R & D Monitors Research and Development activities in the institute

and responsible for monitoring academics, day to day academic activities and assuring quality in teaching and learning process

• Administrative officer Is responsible for supervision and management of all administrative, operational functions and strategic plan for the growth and image of the institute.

In addition, Accounts Officer, office Superintendent, Librarian, Workshop Superintendent take care of office related activities, finance related issues, College Examination work, resources library and workshop related activities.

• Head of the department is independently in charge of the overall departmental administration. Has powers to recommend appointment of faculty as per departmental requirement, sanction casual/commuted/ earned leave, permission, deputations for seminars/conferences/, recommend sanction of financial assistance for paper presentations, participation in seminars etc., recommend sanction of annual increments, career advancement, issue of memos and seeking explanation in case of violations, departmental attendance, internal marks, examination results. They are also empowered to prepare and submit project proposals, labs upgradation and maintenance, organizing invited presentations, entrepreneurship and such other programmes. Each HoD is given a financial power of Rs 50,000/- Other support functions are handled by the Admission-in-charge, NBA Coordinator, NAAC Coordinator, , Industry Institute Interaction Cell Coordinator, Academic & Research Coordinator (BCUD), NSS coordinator. At the department level

• Each program has UG and PG coordinators

• Preparation of academic calendar based on time frame set by the University for planning and organizing of activities is done by Time Table co-ordinator

• Each course has a course co-ordinator who, in consultation with the faculty teaching the subject, sets course objectives, prepares the teaching plan for the semester, conducts meetings with faculty regularly to monitor and review course completion and attainment of course outcomes and submits a report of the same to PAC through the module coordinator

• Class Coordinators /Mentors are designated for all classes/batches

**Placement officer** Overall in charge of placement and training activities, arrangement of related programmes, entrepreneurship programmes, skill up gradation etc.

## **Sports Secretary**

All sports activities, organization of sports events, formation and training of teams, participation in sports activities at inter collegiate and university level etc.

Hostel and Mess Wardens overall maintenance of day-to-day activities of the hostel and Mess

**Site Engineer** Overall maintenance of college campus, buildings, landscape, power, security etc. Has powers to monitor campus security, appointment of relevant man power.

#### Ghousia College of Engineering, Ramanagaram

#### **Grievance Redressal Cell**

Sl. No	Name of the Committee members	Associated with	Mobile No	E-mail id	Designation	Gender
1	Dr. Mohammed Zahed Ahmed Ansari	GCE, Ramanagara	9141158461	zahedansari@gmail.com	Chairman	Male
2	Dr. Faheem Ahmed Khan	GCE, Ramanagara	9986343109	faheemahmedkhan11@gmail.com	Member and Convener	Male
3	Dr. Jawaharein Basha	GCE, Ramanagara	9440237301	jawaharein@gmail.com	Member	Male
4	Dr. Ameer Ahmed	GCE, Ramanagara	9590960406	ameer@gmail.com	Member	Male
5	Dr. Dilshad Begum	GCE, Ramanagara	9886699738	dil3339dan@gmail.com	Member	Female

#### **Internal Complaint Committee**

The college has established a Grievance Redressal Cell (GRC) and further with the recommendations of Visveswaraya Technological University, Belagavi, Karnataka to which our college is affiliated, Departmental Students Grievance Redressal Cell (DSGRC) have been established. Each DSGRC consists of Chairman (Departmental HoD), senior professors of the department and other departments as members. There is provision for online registration as well as disposal of grievances of students / faculty / stakeholders etc.

Dr. Faheem Ahmed Khan Member and Convener Dr. Mohammed Zahed Ahmed Ansari Chairman and Principal

## 🖊 Establishment of Anti Ragging Committee

SI.	Name of the Member	Designation
1	Dr. Mohd. Zahed Ahmed Ansari, Principal	Chairman
2	Dr. Faheem Ahmed Khan, Prof. & Head, E&C Dept. & Warden	Convener & Nodal Officer
3	Dr. N S Kumar, Prof. & Head Civil Engg.	Member
4	The Circle Inspector, Town Police Station, Ramanagara	Member
5	Dr. K.G. Manjunath, HoD Chemistry	Member
6	Dr. K. Fakruddin, Prof. & Head, Physics & Warden	Member
7	Dr. T. Venkatesh, Prof. Computer Sc. & Engg. Dept.	Member
8	Mr. Nazarulla Khan, Asst. Prof. Maths Dept.	Member
9	Dr. Mohamed Mohsin Ali .H. Prof. & Head, Mech. Engg.	Member
10	Mrs. Dilshad Begum, Prof. & Head, Comp. Sc.& Engg.	Member
11	Dr. Apsar Pasha, Asst. Prof. Physics Dept.	Member
12	Dr. Saifulla Khan, Asst. Prof. Chemistry Dept.	Member
13	Dr. Saleem Pasha, Asst. Prof. Mech. Engg. Dept. & Warden	Member
14	Mr. Amanulla, Asst. Prof. E&E Dept. & Warden	Member
15	Mr. Ashok Kumar .S. Asst. Prof. E&E Dept.	Member
16	Ms. Shamshad Begum, Asst. Prof. & Warden	Member
17	Salman Nazir (1GC19CV028)	Student Member
18	Abdul Mannan Ahmed (1GC19CV002)	Student Member
19	Aakil Hussain (1GC19CS001)	Student Member
20	Monika B V (1GC19CS054)	Student Member

#### Establishment of Anti Ragging Squad

SI.	Name of the Member	Designation
1	Dr. Mohd. Zahed Ahmed Ansari, Principal	Chairman
2	Dr. Faheem Ahmed Khan, Prof. & Head, E&C Dept. & Warden	Convener & Nodal Officer
3	Dr. K. Fakruddin, Prof. & Head, Physics & Warden	Member
4	Dr. T. Venkatesh, Prof. Computer Sc. & Engg. Dept.	Member
5	Mr. Nazarulla Khan, Asst. Prof. Maths Dept.	Member
6	Dr. Mohamed Mohsin Ali .H. Prof. & Head, Mech. Engg.	Member
7	Dr. Apsar Pasha, Asst. Prof. Physics Dept.	Member
8	Dr. Saifulla Khan, Asst. Prof. Chemistry Dept.	Member
9	Dr. Saleem Pasha, Asst. Prof. Mech. Engg. Dept. & Warden	Member
10	Mr. Amanulla, Asst. Prof. E&E Dept. & Warden	Member
11	Mr. Ashok Kumar .S. Asst. Prof. E&E Dept.	Member
12	Ms. Shamshad Begum, Asst. Prof. & Warden	Member

## Grievances and Redressal Committee (GRC):

SI.	Name	Designation
No.		
1	Dr. Mohamed Zahed Ansari, Principal	Chairman
2	Dr. N S Kumar, Prof. & Head Civil	Member
3	Dr. Mohamed Mohsin Ali .H. Asso. Prof. & Head Mechanical Engg. Dept.	Member
4	Dr. Faheem Ahmed Khan Prof. & Head E&C Dept.	Member
6	Mrs. Dilshad Begum, Asso. Prof. Dept. of Computer Science&Engg. Dept.	Member
7	Mr.Mahamood Khan, Advocate	Member

4

## **4** Establishment of Committee for SC /ST:

SI.	Name of the Staff Member / Designation & Dept.	Designation
1	Dr. N. Praba, Assoc. Professor, E&C Engg.	Convener
2	Dr.Javid Akhtar HOD, E&E Engg.	Member
3	Mr. Prakash. Assoc. Prof. Civil Engg. Dept.	Member
4	Ms.Rajeshwari M R Asst. Professor, Computer Sc. &Engg.	Member
5	Mrs. Indra .N. Asst. Professor, Mathematics	Member
6	Manjunath . D (1GC18CV017)	Student Member
7	Pooja .P (1GC18CS041)	Student Member

#### Internal Quality Assurance Cell

The Internal Quality Assurance Cell (IQAC) has been constituted as per the guidelines and wishes of University Grants Commission, New Delhi.

The goals of IQAC are:

- To develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the College
- To promote measures for institutional functioning towards quality enhancement through internationalization of quality culture and institutionalization of best practices.

The members of the cell are:

Sl. No	Name with the designation	Position held
1	<b>Dr. Mohd. Zahed Ahmed Ansari,</b> Principal	Chairman
2	<b>Dr. Faheem Ahmed Khan</b> Professor and Director R&D, EEE	Director and Member Secretary
3	Mr. K. R. Aejaz Ahmed Administrative officer	Member
4	Dr. Prabha N Associate Professor, ECE	Member
5	<b>Dr. E. Ramesh Babu</b> Associate Professor, Civil Engineering	Member
6	Amanulla Asst. Professor, Dept. of EEE	Member
7	Dr. Mohammed Naveed Assistant Professor, Mech. Engineering	Member
8	Dr. Saifulla Khan Assistant Professor, Dept. of Chemistry	Member

Under the aegis of IQAC, the following functions are held.

 Development and application of quality benchmarks/parameters for the various academic and administrative activities of the College.

 Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.

## 5. **PROGRAMMES**

AICTE Approved Programmes	Number of Seats
Computer Science & Engineering - UG	180
Information Science & Engineering - UG	60
Electronics & Communication Engineering - UG	60
Electrical & Electronics Engineering- UG	60
Mechanical Engineering - UG	60
Civil Engineering - UG	60
Structural Engineering - PG	18
Power System Engineering - PG	09
Manufacturing Science & Engineering - PG	09
Machine Design - PG	09
Computer Science & Engineering - PG	18

## Programmes Accredited by NBA

Programmes Accredited by NBA	Status of Accreditation
Computer Science & Engineering - UG	30 <sup>th</sup> June,2022
Information Science & Engineering - UG	30 <sup>th</sup> June,2010
Electronics & Communication Engineering - UG	30 <sup>th</sup> June,2016
Electrical & Electronics Engineering- UG	30 <sup>th</sup> June,2022
Mechanical Engineering- UG	30 <sup>th</sup> June,2022
Civil Engineering - UG	30 <sup>th</sup> June,2022

Programmes applied for Accreditation	Status of Accreditation Application
Computer Science & Engineering - UG	Applied for SAR and Visit Awaited
Electronics & Communication Engineering - UG	Applied for SAR and Visit Awaited
Civil Engineering - UG	Applied for SAR and Visit Awaited

### **08. PROFILE OF PRINCIPAL**



1. NAME	: DR. MOHAMMED ZAHED ANSARI
2. DESIGNATION	: Principal Ghousia College of Engineeri,Ramanagara - 562159
3. DATE OF BIRTH	: 10-04-1962
4. RESIDENTIAL ADDRESS	: No. 2144 , 2 <sup>nd</sup> Cross , Hajinagar Ramanagaram - 562159
	Phone :9141158461
	e-mail: zahedansari@gmail.com

:

## 5. EDUCATIONAL DETAILS

QUALIFICATION	COLLEGE/UNIVERSITY	CLASS/ DIVISION	YEAR
Ph.D.	JNTU, Hyderabad		2011
M.Tech. (Power Systems)	NIE, Mysore	First Class with Distinction	1993
B.E. (Electrical & Electronics Engg.)	SJCE, Mysore	First Class	1985

6. DATE OF ENTRY INTO SERVICE : 5<sup>th</sup> May 1987

7. MEMBERSHIPS OF<br/>41257731)<br/>TECHNICAL BODIES: Member IEEE, since 1999 (Membership No,<br/>Life Member MISTE since 1989 (LM 2854)

Fellow, Institute of Engineers (F-1229989)

- 8. DETAILS OF EARLIER: Engineer Trainee in Control System Sub-Assemblies at<br/>Power Tech. Systems, Bangalore for a period of 6<br/>months (Nov. 1986 April 1987)
- 9. RESEARCH PAPERS PUBLISHED IN NATIONAL / INTERNATIONAL: **Over 60** JOURNALS & CONFERENCES

10.TRAINING PROGRAMMES / SEMINARS / CONFERENCES CONDUCTED AS CO-ORDINATOR:

- Seminar on Pollution Performance of Insulators", 5 May 1997
- Seminar on "Pollution Monitoring and Control in H.V. Transmission", 15 May 1997
- Two day programme on Career Guidance and Challenges", 20- 21 July 1998
- Seminar on "Recent Trends in Transformer Technology, Design and Manufacturing",15 May2000.
- Two day Seminar on "H.V. Power Transmission", 21- 22 Dec. 2001
- Seminar on "Error in science and Engineering What and Why ?", 2 May 2002
- Seminar on "Design & Testing of Power Transformers", (Inclusive of Impulse Testing), 2 Nov. 2002.
- Seminar on "Reliability, Maintainability and Availability", Dec 2002.
- Seminar on "Power System Reliability Evaluation", April 2002.
- One day Seminar on "Application of AI & ANN to Electrical and Electronics Engg.", 3 May 2003.
- Seminar on "Recent Developments Relating to Diagnostics in HV Power Transformers", 13Feb 2004.
- Seminar on " Electrical System Restructuring", 22 May 2004.
- One Day Workshop on "Embedded System", 10 June 2004.
- One Week Internet Training Programme "Bangalore IT, COM 2004", 1 5 Nov. 2004.
- Seminar on "History and Development of Power Generation in India" 10 March 2005.
- Seminar on "Problem and Prospects of Energy Usage", 4 May 2005.
- Seminar on "Lightning, Its Effect on Transmission Lines and Aircraft", 24 May 2005.
- One Day National Level Students Technical Paper Presentation Symposium "eTrans 2K5",
   8 June 2005.

Four Days Internet Training Programme "Bangalore IT, COM 2005", 26 –29 October 2005.

One Day Conference on "Recent Developments on SCADA as applied to HV Power Transmission", 10 May 2006.

- Technical Paper Presentation Contest Impulse 2K9, 11<sup>th</sup> Oct. 2010.
- Seminar on "Recent Methodologies of Torque Control of Induction Motor" 3<sup>rd</sup> Sep. 2010.
- Seminar on "Effect of Cu<sub>2</sub>S on Transformer Oil Insulation System" 19<sup>th</sup> Oct. 2010.
- Seminar on "Application of Artificial Intelligence in Power Systems" 11<sup>th</sup> Nov. 2010.
- Seminar on "Computer Application in Electric Drives", 9th Nov. 2011
- Student's Technical Paper Presentation Contest, 11<sup>th</sup> Oct. 2011.
- Seminar on "Artificial Neural Networks Applied to Power Systems" 27th Feb. 2012.
- Seminar on "Renewable Energy Resources An Overview" 29<sup>th</sup> Mar. 2012.
- Seminar on "Impact of Presence of Copper Corrosion in Power Transformers"19<sup>th</sup> Nov. 2012.
- Technical Paper Presentation Contest Surge 2K12, 7<sup>th</sup> Mar. 2013.
- Seminar on "Lightning effects on Transmission Lines and Power Stations" 27<sup>th</sup> Feb. 2013.
- Organized and was a Convener for the Graduation Day Celebrations for UG and PG students on 5<sup>th</sup> June 2014 and 9<sup>th</sup> August 2014 respectively.
- National Conference on Power, Control and Signal Processing (NConPCS 2014) on 17<sup>th</sup> July 2014.
- Expert Lecture on the topic "Power Scenario and Job Opportunities in Power Sector on 17<sup>th</sup> July 2014.
- Expert lecture on the topic "PLC and SCADA Present Day Automation" on 23<sup>rd</sup> Sep. 2014.
- National Conference on Power, Control and Signal Processing (NConPCS 2015) on 8<sup>th</sup> April 2015.
- Expert lecture on "Multi Grid Power Transmission A Challenge" on 13<sup>th</sup> April 2017.
- National Conference on Power, Control and Signal Processing (NConPCS 2017) on 6<sup>th</sup> May 2017.
- National Conference on Power, Control and Signal Processing (NConPCS 2018) on 9<sup>th</sup> June 2018.
- Expert Lecture on "Career Guidance, Opportunities for Higher Studies in Foreign Universities – Sources and Avenues" on 4th September 2018.
- Three Days Technical Skill Development Programme on "Hot Transmission Line Maintenance" was organized for final year EEE students in association with Hot Line Training Centre, National Power Training Institute (NPTI), Bangalore, Ministry of Power, Govt. of India, during 4th - 6th October 2018.
- One Day Industry Campus Connect Programme in collaboration with MFIRD, Bangalore on 30th Oct. 2018.
- A Tech talk on "Career and Placement Guidance" in association with Placement Center, GCE on 15th Feb 2019.
- AICTE Sponsored One Week STTP on Advanced Control Engineering and Simulation Using MATLAB and SIMULINK Tools during 26<sup>th</sup> – 31<sup>st</sup> August 2019.

- On Week Online Faculty Development Programme on Future World A paradigm Shift in Technology during 15<sup>th</sup> – 19<sup>th</sup> June 2020.
- 10. TRAINING PROGRAMMES/ SEMINARS/ CONFERENCES / WEBINARS ATTENDED:
  - Attended One Day Workshop on "Model Question for III and IV Semester BE", 17 Nov. 1993.
  - Attended Eight Days Workshop on "Power System Simulation", MSRIT, Bangalore, 27 Dec.1995 – 3 Jan. 1996.
  - Attended Two Day Workshop on "PSpice Simulation", BMSCE, Bangalore, 12-13 April 2000.
  - Attended Two Day Workshop on "Control Systems laboratory" RVCE, Bangalore, 22-23 March 2001.
  - Attended Two Day Workshop on "Power System Protection", SIT, Tumkur, 25-26 Aug 2001.
  - Attended One Day Workshop on "Accreditation Awareness", MVJ, Bangalore, Jan 2003.
  - Attended Three Days Workshop on "VLSI Design Labs", BIT, Bangalore, 7-9 August 2004.
  - Attended One Day Workshop on "Product Life Cycle Management for Defense and Aerospace Environment", Windsor Manor, Bangalore, 12 August 2004.
  - Attended Two Day Workshop on "Renewable Energy Education and Research", East Point College of Engg., Bangalore, 16-17 August 2004.
  - Attended Two Day Workshop on "Converging Technologies, Growing Opportunities", Intel Forum, Bangalore Palace, 12-13 Oct. 2004.
  - Attended Two Day Workshop on "Power Systems 2004", IISc., Bangalore, 26-27 Nov.
     2004.
  - Attended One Day Seminar on "DST-Lockheed Martin India Innovation Growth Programme 2012, Federation of Indian Chambers of Commerce & Industry (FICCI), Hotel Fortune JP Celetial, Bangalore, 22 Dec 2011.
  - Attended One day BOEs meeting on 5<sup>th</sup> September 2013 at VTU, Belgaum.
  - Attended Four days workshop on "Training of Evaluators on Outcome Based Education and Accreditation" organized by NBA Nodal Centre, New Delhi in association with Post Graduation Centre, VTU Regional Office, Mysore on 1<sup>3th</sup> Sep 2013 and 1 – 3<sup>rd</sup> Oct. 2013.
  - Attended One day BOEs meeting to scrutinize the BE, EEE question papers for Dec 2013
     / Jan 2014 examinations on 23<sup>rd</sup> October 2013 at VTU Regional Office, Mysore.
  - Attended Two days BOEs meeting to scrutinize the M. Tech. Electrical stream question papers for Dec 2013 / Jan 2014 examinations on 7<sup>th</sup> – 8<sup>th</sup> November 2013 at Dayanand Sagar College of Engineering, Bangalore.
  - Attended One day workshop "Question Bank project on Civil, Structural, Mechanical, Electrical Engineering – Briefing Session" on 29<sup>th</sup> November 2013 organized by Department of Personnel and Training, Staff Selection Commission, Ministry of

Personnel, Public Grievances & Pensions, Government of India at Oleandear Hall, IRIS Hotel, Brigade Road, Bangalore.

- Attended a One day Grantee Institution Interaction Meeting held on 24<sup>th</sup> Feb. 2014 in Vikasa Soudha conference hall (adjacent to Vidhana Soudha) Bangalore organized by VGST, Bangalore.
- Attended 5<sup>th</sup> Annual Session of PM Primer, organized by PMI Bangalore Chapter at NIMHANS Convention Centre, Bangalore on 5<sup>th</sup> Sept. 2014.
- Attended one day Syllabus Blowup Workshop of finalization of 5<sup>th</sup> and 6<sup>th</sup> sem of BE (CBCS) EEE board of scheme and syllabus organized by VTU at Regional Office Bangalore on 1<sup>st</sup> Aug 2017.
- Attended Two Weeks Faculty Development Programme on "Recent Developments in Renewable Energy Sources and Its Applications", at GCE, Ramanagaram during 13<sup>th</sup> – 25<sup>th</sup> November 2017.
- Attended One day workshop on "Effective e-Resources Retrieval Strategies for Efficient Research" organized by Library and Information Centre, GCE and EBSCO India Pvt. Ltd., Bangalore, an official training partners of IEEE, India Region, on 9th February 2019 at Ghousia College of Engineering, Ramanagaram.
- Attended a Webinar on "International Standards on Wind Turbine" organized by National Institute of Wind Energy (NIWE) on 26th August 2020. Resource person was Shri. A. Senthil Kumar, Director and Head, Standards and Regulations Division, NIWE, Chennai, Ministry of New and Renewable Energy, Govt. of India.
- Attended a Webinar on "Intelligent Quotient, Emotional Quotient and Spiritual Quotient" organized by department of Computer Science and Engineering, Centre for Post graduate Studies, VTU, Mysuru in Association with ISKCON, Mysuru on 3rd September 2020.
- Attended a technical webinar on "Smart Grids in Integration with Distributed Generation: Challenges and Solutions" organized by The Institution of Engineers (India), Salem Local Centre under the aegis of the Electrical Engineering Division Board on 29 December 2020. Mr. P. Rajamani, Chairman, Electrical Engineering Division Board, IEI was the resource person. Webinar ID: 836-029-651
- Attended an AICTE Training and Learning (ATAL) Academy sponsored one-week FDP on "Smart Cities" organized by Department of EEE, Dayananda Sagar Academy of Technology and Management, Bengaluru during 18th – 22nd January 2021.
- Attended a technical webinar on "Simulation of Machine Learning using Open-source Tools" organized by The Institute of Engineers (India), Rajasthan State Centre under the aegis of the Computer Engineering Division on 13th March 2021. Mr B S Patel, Chairman, Computer Engineering Division Board, IEI was the resource person. Webinar ID: 881-0921-4374

- Attended an IEI technical webinar on "Design of Efficient Power Systems by Application of Optimization Techniques" organized by The Institute of Engineers (India), Punjab and Chandigarh State Centre under the aegis of the Electrical Engineering Division Board on 17th March 2021. Mr. P. Rajamani, Chairman, Electrical Engineering Division Board, IEI was the resource person. Webinar ID: 530-512-387
- Attended an IEI technical webinar on "Smart Grid using Smart Meters and Smart Phone" organized by The Institute of Engineers (India), Meerut Local Centre under the aegis of the Electrical Engineering Division Board on 18th April 2021. Prof. (Dr) Swapan Bhaumik, FIE, Professor, Mechanical Engineering Department, NIT and Chairman, CATE, IEI and Mr. P. Rajamani, Chairman, Electrical Engineering Division Board, IEI addressed the participants. Webinar ID : 532-230-739
- 11. RESEARCH / DEVELOPMENT / MODROBS / OTHER PROJECTS:
  - i. Completed AICTE MODROBS project on "Modernization of Relay and High Voltage Lab", worth Rs10,46,000/- sanctioned during 2007-08. Project was successfully completed.
  - AICTE MODROBS project on "Modernization of Transformers, DC Machines, Induction Machines and Synchronous Machines Lab" worth 15,00,000/- sanctioned during 2010-11. Project was successfully completed.
- iii. Sanctioned a K-FIST (LEVEL I) project on "Establishing the Research Facilities for Virtual Instrumentation and Control Applications Lab." worth Rs. 20,00,000/- by Vision Group on Science and Technology (VGST), Government of Karnataka, Department of Information Technology, Biotechnology and Science & Technology, Bangalore for the financial year 2013-14. Project was successfully completed.
- AICTE MODROBS project on "Modernization of Electronics and Linear Integrated Circuits Laboratory with Virtual Platform" worth Rs.7,62,500/- sanctioned during 2017-18.
   Project was successfully completed in July 2018.
- v. AICTE Sponsored One Week STTP on Advanced Control Engineering and Simulation Using MATLAB and SIMULINK Tools worth Rs.3,28,000/- sanctioned during 2019. Programme was successfully completed in August 2019.
- 12. NO OF PhDs GUIDED / GUIDING: **ONE** Guided, **TWO** have submitted & Guiding **TWO** PhD Scholars under VTU.

## 13. STUDENTS PROJECTS GUIDED:

## A) Post Graduate:

- Experimental Study on the Leakage Current Characteristic of Polymeric Insulation & Surge Arresters, 2006.
- > Insulation Coordination Case Studies for EHV Systems, 2007.
- Implementation of Ant Colony Optimization Technique on Unit Commitment Problem, 2008.
- Design and Implementation of Remote Control Prime-Mover and AVR System for Isolated Power Plant Based on Unit Commitment, 2009.
- Simulation Study of Converter Transformer Failure in HVDC System and Its Solutions, 2010.
- > Fuzzy Co-Ordination of UPFC's For Damping Power System Oscillations, 2010.
- > Simulation Analysis For Power System Protection Using Artificial Neural Network, 2011.
- Dynamic Voltage Control In A Power System Using STATCOM Based On Fuzzy Concepts, 2011.
- > Vector Control of AC/DC Converter Using Sine Triangle PWM Technique, 2011.
- > Design of Grading Ring for Multi-Unit Surge Arrester, 2012.
- Simulation of Three Level Parallel Connected Voltage Source Inverters to Reduce Harmonics Using Filters, 2012.
- > Simulation Study on Smart Grid Distribution, 2012.
- > Integration of UPFC for the Reduction of Harmonic in WECS connected Power Grid
- > Substation Automation based on PLC and SCADA, 2013.
- > Simulation Investigations on Flywheel Energy Ride Through, 2013.
- > ANN Intelligence in UPFC to Regulate DC Link Voltage, 2013.
- Performance Analysis of Grid Connected Solar and Wind System with Voltage and Current Regulation, 2014.
- Hybridization of Fuel Cell and Wind Energy with Regulated Power Processing using Fuzzy logic, 2014.
- Novel Technique for Reducing the High Fault Currents and Enhancing the Security of Power System, 2014.
- > PLC and SCADA Based Controlling and Monitoring of Photovoltaic Energy System, 2015.
- Modeling and Analysis of Modular Multilevel Converter used in HVDC Transmission Line, 2015.
- > Design of a Compact Size Grid Connected PV Inverter, 2015
- Optimized Control of Charging and Discharging of PEV Based Distribution Grid System, 2016.

- Extraction of Maximum Power from Switched PV Array Under Partial Shading Condition, 2016.
- Fuzzy Controlled Enhanced PLL Based Grid Voltage Synchronization for DG Systems Under Abnormal Grid Conditions, 2016.
- Determination of Optimal Location of FACTS Devices for Power System Restoration Including Load Flow and Contingency Analysis, 2017.
- An Optimal Reactive Power Control; Scheme in DFIG Based Wind Power Generation with Reduction in Losses, 2017.
- Efficient Management of Hybrid Energy Storage System for an Electric Vehicle Using Supercapacitor Sizing Method, 2018.
- A Composite Sliding Mode Controller for Wind Power Extraction in Remotely Located Solar PV – Wind Hybrid System, 2019.
- > Constant DC to DC converter using SEPIC topology for battery charging, 2020.

## B) Under Graduate:

- Design & Development of PWM Control for SPR Front End Convertor Fed to AC Motor Drives, 1993.
- Computer Aided Radial Field Permanent Magnet DC Motor Design, 1993.
- 4 Auto Switch Over Stand- by Power Supply, 1994.
- **Expert System Based Restoration of Distribution System**, 1994.
- Electrical Energy Conservation in Helicopter Division, 1994.
- Digital Temperature Inductance with Controller, 1995.
- Infra Red Remote Control, 1995.
- Microprocessor Based Search Pick & Place Robot, 1996.
- Design of Microprocessor Based Over Current Relay Using INTEL 8085-A Microprocessors, 1997.
- Testing & Failure Analysis of a Distribution Transformer, 1998.
- Software Based Analysis of Load Flow, 1999.
- Analysis of Fault Current on a Three Winding Transformer, 1999.
- Reliability Analysis of High Voltage Capacitor, 2000.
- Design of Inverter Power Module Using IGBT,2000.
- Speed Control of DC Motor Using Microcontroller, 2001.
- 4 Automation of Servo Controlled Mechanism, 2001.
- Wireless Communication Using DSP in Real Time, 2002.
- Wireless Switching for Real Time application, 2002.
- Liectronic Processing Unit for Laser Range Finder, 2003.
- Two Element Radio Interferometer System, 2003.
- Design of Electrolytic Tank Models, 2003.

- Smart Card Based Energy Meter, 2004.
- Placement Strategy of FACTS Controller for Optimal Power Flow using EVPA Technique, 2005.
- Implementation of I2C Bus Interface using VHDL, 2005.
- Single Phase Five Level Inverter, 2006.
- Embedded Application Development in Rainbow Platform, 2006
- **4** Mobile based DC motor Control, 2007.
- Wireless Signaling System for Trains, 2007.
- Line Following ROBOT, 2008.
- Micro Controller Based One Way Traffic Detector, 2008.
- Fault Identification Using Remote Control in Highly Risk Places, 2009.
- Fuzzy Logic Control for a Speed Control of Induction Motor using Space Vector Pulse Width Modulation, 2009.
- 4 3 Phase Protection for Industrial Application, 2009.
- Fault Detection in Transmission Line using PIC, 2010.
- A Unity Power Factor Correction Pre-regulator with Fast Dynamic Response Based on a Low Cost Microcontroller, 2010.
- ↓ Vector Control of Induction Motors, 2011.
- Direct Torque Control of Induction Motor, 2011.
- Sequential Switching of Loads Using Microcontroller AT 89C51, 2012.
- **4** Rotor Position Identification, 2013.
- Wireless Power Monitoring & Power Theft Detection System, 2013.
- GSM Based Intelligent Power Transformer Oil Temperature Monitoring and Warning System, 2014.
- **4** Optimal Allocation of Distributed Generation for Loss Reduction & Voltage Profile, 2015.
- ↓ Tip Tilt Dual Axis Solar Tracker, 2016.
- **Underground Cable Fault Conveyed Over GSM**, 2017.
- Wireless Electronic Display Board Using GSM Technology, 2018.
- ↓ IOT-Based Battery Monitoring System for Electric Vehicle, 2020.

## 14. LEARNING RESOURCE MATERIALS DEVELOPED

- Developed three Quadrants of NPTEL Phase –I course Digital Circuits proposed under VTU – NPTEL – NMEICT project during October 2013 – January 2014.
- Prepared the Relay and High Voltage Lab. Manual
- Prepared the Logic Design Lab. Manual
- Prepared Chapters notes and problems of Computer Techniques in Power Systems, Control Systems, etc.

## 15. CONSULTANCY SERVICES

Third Party Inspections were carried out for different erection and power supply worksworthRs 124.63 Lakhs undertaken for City Municipal Corporation, Ramanagaram,Kanakapura and Magadi Taluks and Zilla Panchayat, Ramanagara.

- Power supply to SC/ST houses under 18% scheme of SFC, at Ramanagaram, worth Rs. 3 Lakhs, May 2010.
- Electrification of street lighting in Beedi colony, Ramanagaram, worth Rs. 2 Lakhs, June 2010.
- Providing Sodium Vapour Lamps to SC/ST areas (worth Rs. 2 lakhs), Providing Electricity supply to SC/ST houses (worth Rs.3 lakhs), Providing Electricity supply to SC/ST Community halls (worth Rs. 1 lakh), and Fixation of street lights (worth Rs. 4.4 lakhs) a total amount of Rs 10.44 Lakhs, Dec. 2010.
- Quality assessment of cable and motor pumps installed in tube wells dug in and around Magadi TMC limits in the year Jan 2012, worth Rs 6.0 lakhs.
- Digging of bore well and installation of squirrel cage induction motors at five different locations at Magadi Town, worth Rs. 7.5 Lakhs, May 2012.
- Work pertaining to Installation of 15 poles and their Electrification from Arkavathi Bridge to Booduguppe gate on Bangalore road in Kanakapura Town. Worth 6 lakhs, February 2013.
- Work pertaining to Installation of Highmast Street Light near Bananthamaramma Temple in Ward No. 7 of Kanakapura TMC limits, worth Rs. 6 lakhs, Feb 2013.
- Work pertaining to Electrification & Installation of LED/Induction Street lights in Kanakapura TMC limits under 2008-09 Scheme, worth Rs. 3.05 Lakhs, May 2013.
- Work pertaining to Electrification & Installation of LED/Induction street lights in Kanakapura TMC limits under 13<sup>th</sup> Finance (Basic) and 13<sup>th</sup> Finance (Performance Grants) worth Rs. 3.00 Lakhs, May 2013.
- Electrification and installation of induction lights in different wards of kanakapura TMC limits worth 6 lakhs.
- Work pertaining to installation of electric motors for supplying drinking water in 2<sup>nd</sup>, 5<sup>th</sup>, 20<sup>th</sup> and 13<sup>th</sup> wards of Magadi, worth Rs. 6.05 Lakhs, June 2013.
- Inspection for purchase of new street lights wherever required in Magadi Town, worth Rs. 9.0 Lakhs, Dec 2013.
- Third Party Inspection of Installation of Solar Street lights in the villages selected under Suvarna Gramodaya Scheme, worth Rs. 46,58,969.0, June 2017.
- Third Party Inspection for Installation of High Mask Electric Lights in the campus of BGS School for Blind Students worth Rs. 5.0 Lakhs, July 2017.

Third Party Inspection of Installation of High Mast Electric Lamp in the premises of Biseleshwari Temple in Hunasana Halli Village, Virupakshi Pura Hobli, worth Rs. 5,00,000/-, during April 2018.

## 16. HONOURS RECEIVED

- > Academic Council Member, Ghousia College of Engineering. Ramanagaram since 2004.
- Member, Board of Examiner and Co-ordinator, VTU, Belgaum during 2013 14 & 2018 – 19.
- Nominated as Subject Matter Expert (SME) by VTU to take three Quadrants of NPTEL Phase –I course *Digital Circuits* proposed under NPTEL – NMEICT project during 2013 – 14.
- Received appreciation citation from Bharat Ratna Prof. C. N. R. Rao, F.R.S, Chairman, Vision Group of Science and Technology (VGST), Bangalore, Government of Karnataka for Establishing the Research Facilities for Virtual Instrumentation and Power Control Applications Lab on 16.06.2014.
- 17. AREAS OF INTEREST: Control Systems, High Voltage Engineering, Surge Protection, Power System Operation and Control.
- 18. AREAS IN WHICH EXPERT LECTURES CAN BE DELIVERED:

Control Systems, Surge Protection, Lightning Impulse Phenomena

- 19. ABROAD VISITS: Colombo (Sri Lanka-1997), Jeddah (Saudi Arabia-1998, 2002), Istanbul (Turkey-2007), Qatar (UAE 2007)
- 20. CONTRIBUTION TO THE ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT / GHOUSIA COLLEGE OF ENGINEERING:
  - i. Currently heading the Electrical and Electronics Engineering Dept. since 1998.
  - ii. Served as Library Committee Member, 1994-95.
  - iii. Served as College Magazine Committee Member for two consecutive years 1994, 1995.
  - iv. Served as Project Coordinator of the College for two consecutive years 1995, 1996.
  - v. Served as Dean of students for four consecutive years 1995-98.
  - vi. Served as deputy and additional chief superintendent several times of Bangalore University and VTU theory examinations, 1993, 1995, 1996, 2003, 2006, 2008, 2009, 2012.
  - vii. Served as Office Bearer, ISTE GCE Chapter, 1993 95.
  - viii. Working as Anti Ragging Committee Member since 1998 till date.
  - ix. Chief- Editor for Departmental Magazine and News Letters.
  - x. Was Member of HODs Forum.

- xi. Obtained and started R&D Centre of VTU, Belgaum in the department, 2004.
- xii. Obtained and started PG course in Power System Engineering in the department, 2004.
- xiii. Served as Placement and Students Counseling Committee, 2006-07.
- xiv. Served as Performance Appraisal of Staff Members Committee, 2006-07.
- xv. Served as Students Grievances Redressel Committee, 2006-07.
- xvi. Served as Renewable Energy Park Committee, 2006-07.
- xvii. Served as Faculty Grievances Redressel Committee, 2006-07.
- xviii. Obtained Accreditation for Electrical and Electronics Engineering department in the capacity as HOD for THREE consecutive terms, (2004-07, 2007-10 & 2016-19).
- xix. Organized several Conferences and Seminars.
- xx. Developed various laboratories viz., Analog Electronics Lab, Logic Design Lab., Control Systems Lab., Power Electronics Lab., Circuit Simulation and Measurements Lab., Microcontroller Lab., Microprocessor Lab., Power Simulation Lab., Relay and High Voltage Lab., Op – amp and Linear ICs Lab.
- xxi. Renovated all the Laboratories.
- xxii. Guided several UG / PG Projects and Seminars.
- xxiii.Guided one PhD and Guiding FOUR Ph. D. Scholars under VTU.
- xxiv.Obtained THREE MODROB projects and STTP worth Rs 10.46 Lakhs, 15 lakhs, 7.625 Lakhs and 3.28 Lakhs from AICTE during 2007, 2010, 2017 and 2019 respectively. All the three projects and STTP were successfully completed.
- xxv. Obtained and completed K-FIST Level-1 research project worth Rs 20.00 Lakhs from VGST, Govt. of Karnataka, Bangalore during 2014-15. Duration of the project was TWO years.
- xxvi. Consultancy work worth Rs 124.63 Lakhs were carried out and earned Rs 24,926 to the College / department..
- xxvii. Co-ordinator of The Institute of Engineers (India), Kolkata, West Bengal, 2017 and instrumental in getting the faculty as Members of IEI and GCE as Institutional Member of IEI.

## **RESEARCH PUBLICATIONS**

## Papers Published in International Journals

 "Reduced Voltage Stresses across Power Transformer Winding Sections Provided with Metal Oxide Surge Absorbers" published in an International Journal of Applied Engineering Research (IJAER) Volume 4, Number 8 (2009), pp 1457–1468.

- 2. "Simulation of Power Transformer Winding Sections Provided with Metal Oxide Surge Absorber Blocks with Faults in Portion of Sections" published in an International Journal of Applied Engineering Research (IJAER) Volume 5, Number 2 (2010), pp 313–321.
- 3. "Experimental Studies for Surge Voltage Response of a Power Transformer Model Winding Provided with Metal Oxide Varistors" published in an International Journal Asian Research Publishing Network (ARPN) Journal of Engineering and Applied Sciences Vol. 5, No. 11, November 2010, pp105 - 116.
- "An Experimental Study on Effects of Dibenzyl Disulfide and Copper Sulfide on Pressboard Insulation of Power Transformers" in an International Journal on Advanced Electrical and Electronics Engineering, (IJAEEE), Volume-1, Issue-1, Sep. 2012, pp 53-58, ISSN (Print): 2278-8948.
- "Experimental Investigations Relating to the Presence of Copper Corrosion in Paper Insulation System of Power Transformers" in an International Journal of Computer Science and Electrical Engineering (IJCSEE), Vol-1, Issue-2, 2012 pp 11-14, ISSN: 2315-4209.
- "Simulation Analysis of a Power System Protection using Artificial Neural Network" in an International Journal of Electrical and Computer Engineering (IJECE), Vol. 3, No. 1, February 2013, pp. 78 – 82. ISSN: 2088 – 8708.
- "Simulation Investigations on Flywheel Energy Ride Through Systems" in an International Journal of Environmental Science: Development and Monitoring (IJESDM), ISSN No. 2231 – 1289, Volume 4, No. 3 (2013), pp 57-61.
- 8. *"Substation Automation Based on PLC and SCADA"* in an International Review of Applied Research (IRAER), ISSN No. 2248 9967, Volume 3, No. 4 (2013), pp 35-38.
- Javid Akhtar and Dr. Mohd. Zahed Ahmed Ansari "Investigating The Dynamic Performance of a Wye Connected 18 Coil Section Transformer Model Winding Due To Lightning Voltage Surges" published in an International Journal Asian Research Publishing Network (ARPN) Journal of Engineering and Applied Sciences Vol. 11, No. 1, January 2016, pp 726 – 730, ISSN 1819-6608.
- Dr. Mohd. Zahed Ahmed Ansari and Pooja M, "Maximum Power Extraction Using Switched PV Array under Partial Shading" published in an International Journal of Research in Engineering and Technology (IJRET) e-ISSN No. 23 19 – 1163, p-ISSN No. 2371 – 7308, Volume 5, Special Issue – 8 (2016), pp 6 – 10.
- 11. Javid Akhtar and Dr. Mohd. Zahed Ahmed Ansari, "Comparative Assessment of Abnormal Voltage Stresses in an Isolated Mutually Coupled Transformer Model Winding With and Without Varistor" published in an International Journal of Electrical Engineering &

Technology (IJEET).Volume:7, Issue: 6, Nov – Dec 2016, Pages: 25-35. **ISSN Print:** 0976-6545, **ISSN Online:** 0976-6553.

- 12. Dr. Mohd. Zahed Ahmed Ansari and Sinchana B K, "An Optimal Reactive Power Control; Scheme in DFIG Based Wind Power Generation with Reduction in Losses" Published in International Journal of Engineering Research & Technology (IJERT), Special Issue 2017, Volume 5, Issue 18, pp 8-12, ISSN: 2278-0181.
- 13. Dr. Mohd. Zahed Ahmed Ansari and Goutham N S, "Determination of Optimal Location of FACTS Devices for Power System Restoration Including Load Flow and Contingency Analysis" Published in International Journal of Engineering Research & Technology (IJERT), Special Issue 2017, Volume 5, Issue 18, pp 17-20, ISSN: 2278-0181.
- 14. Dr. Mohd. Z. A. Ansari, Ashok Kumar S, Dr. K.G. Manjunatha & Syed Ameen Murtuza published a paper titled "An Experimental Study on Viscosity of Water Soluble Polymers Used In Pre Compressed Pressboards Insulation" Published in International Journal of Engineering Sciences & Research Technology (IJESRT), Volume 7, Issue 4, April 2018, pp 692 – 697, ISSN 2277 – 9655.
- 15. Dr. Mohd. Z. A. Ansari, Ashok Kumar, Syed Ameen Murtuza & Dr. K G Manjunath published a paper titled "An Experimental Study on Viscosity of Water Soluble Polymers Used in Precompressed Pressboard Insulation" in an UGC Approved International Journal of Engineering Science and Research Technology, Vol. 7, April 2018, pp 692-697, ISSN 2277-9655, DOI: 10.5281/zendo.1228759.
- Dr. Mohd. Z. A. Ansari and Apoorvashree H L. published a paper titled, "Efficient Energy Management System for Hybrid Electric Vehicle Using Supercapacitor Sizing Method" in an International e-Journal IDL for Technology and Research – 2018, Special issue, June 2018, pp 1 - 5, ISSN (Online) : 2465-3289.
- 17. Dr. Mohd. Z. A. Ansari and Syeda Arjumand Naaz published a paper titled, "Maximum Power Extraction Using Perturbation and Observation Algorithm in a Hybrid Energy System" in an International Journal of Emerging Technologies and Innovative Research 2019, Vol 6, Issue 6, June 2019, pp 115 123, ISSN: 2349-5162.
- Ashok Kumar S, Mohd. Z. A. Ansari, Dr. K.G. Manjunatha, published a paper titled, "Experimental Investigations of Mechanical and Chemical Properties of PVP Precompressed Pressboard Insulation for HV Power Transformers" in Journal of The Institution of Engineers (India): Series B, Electrical, Electronics & Telecommunication and Computer Engineering, July 2020, ISSN 2250-2106, J. Inst. Eng. India Ser. B, DOI 10.1007/s40031-020-00464-7 (Springer).

*19.* Kavitha K., and Dr. Mohd. Z. A. Ansari, published a paper titled, "Constant DC to DC Converter Using SEPIC Topology for Battery Charging" in an International Journal of Emerging Technologies and Innovative Research, Vol 7, Issue 8, August 2020, pp 653 - 658, ISSN: 2349-5162.

## Papers Published in International Conferences

- "Surge Voltage Stresses Across Power Transformer Winding Sections Provided With Metal Oxide Surge Absorber Blocks" Published in the proceedings of IEEE International Conference on Electrical Insulation And Dielectric Phenomena (CEIDP-2006), during 16<sup>th</sup> – 19<sup>th</sup> October 2006 held at Kansas City, Missouri, USA, pp 229 - 232.
- 2. "Surge Voltage Performance of Power Transformer Winding Sections Provided with Metal Oxide Surge Absorber Blocks with Faults in Portion of Sections", Published in the proceedings of IEEE International Conference on Electrical Insulation and Dielectric Phenomena (CEIDP-2007) held at Vancouver, Canada, during 14th - 17th October 2007, pp 655 - 658.
- "Simulation of Power Transformer Winding Sections Provided with Metal Oxide Surge Absorber Blocks Using Full and Chopped Impulse Voltage Waves" Published in the proceedings of IEEE International Conference on Electrical Insulation and Dielectric Phenomena (CEIDP-2008) held at Québec City, Canada, during 26<sup>th</sup> - 29<sup>th</sup> October 2008, pp 567 - 570.
- "Simulation of Performance of HV Power Transformer Model Winding Provided With Metal Oxide Surge Absorber Blocks to Fast Transient Voltages" Published in the proceedings of 16<sup>th</sup> International Symposium on High Voltage Engineering, Cape Town, South Africa during 24<sup>th</sup> – 28<sup>th</sup> August 2009, Paper G18, pp 1-6.
- "Characteristics of MOA Blocks for Protection of Power Transformer Winding Sections Against Surge Voltages" accepted for publication in the proceedings of IEEE International Conference on Electrical Insulation and Dielectric Phenomena (CEIDP-2009) at Virginia Beach, VA, USA during 18<sup>th</sup> – 21<sup>st</sup> October 2009, Paper ID 251.
- "Flashover Performance of Conventional and Hybrid Cylindrical Spacers in Compressed N2:SF6 Gas Mixture" in International Conference on Advances in Energy Conversion Technologies (ICAECT 2010) held during January 07 – 10, 2010 at Manipal Institute of Technology, Manipal University, Manipal, Karnataka, pp. 237 – 241.
- 7. "Characterization of Performance of Paper-Oil Insulation System Of Power Transformers in Presence of Copper Corrosion" in an International Conference on Advances in Electrical and

Electronics Engineering, AEE 2010, during Dec. 21-22, 2010 at Trivandrum, Kerala, India, pp 81-84, DOI- 02. AEE2010.01.79.

- "Experimental studies on performance of Cu<sub>2</sub>S contaminated paper insulation system of Power Transformers" in an International conference on Emerging Trends in Engineering ICETE-2011 at Nitte, Mangalore, Karnataka during 4<sup>th</sup> – 5<sup>th</sup> May 2011, pp 490-493.
- "Characterization of Cu<sub>2</sub>S contaminated paper oil insulation system of Power Transformers" presented and published in Centenary Conference-EE, IISc., Bangalore held during 14<sup>th</sup> – 17<sup>th</sup> Dec 2011, Paper ID 56.
- "Distribution Generation" in an International Conference on Recent Trends in Engineering Management and Computer Applications (INRTIEMC- 2011) at Pallavan College of Engineering, Tamil Nadu during 23<sup>rd</sup>& 24<sup>th</sup> May 2011, pp 325-329.
- 11. "Experimental Investigations Relating to the Presence of Copper Corrosion in Paper Insulation System of Power Transformers" in an International Joint Conference on "Emerging Intelligent Sustainable Technologies", (EISTCON-2012), Volume - 2, during 3<sup>rd</sup> & 4<sup>th</sup> May 2012, ISBN:978-93-81693-76-6, pp 19 – 22.
- 12. *"Effect of Dibenzyl Disulphide on Pressboard Insulation of Power Transformers"* presented in International conference ICCIC-2012 in Chennai, during 4-6<sup>th</sup> July 2012. Adjudged 2<sup>nd</sup> BEST PAPER of the conference.
- 13. "An Experimental Study on the Effects of Dibenzyl Disulphide on Transformer Paper Oil Insulation of Power Transformers" presented and published in Third International conference on Intelligent Information System and Management (IISM '12) in Coimbatore, during 12-14<sup>th</sup> July 2012. Paper ID: PID\_155 EEE060 (Adjudged BEST PAPER of the session).
- 14. "An Experimental Study on the Effects of Dibenzyl Disulphide on Transformer Oil of Power Transformers" presented and published in an International conference APCET 2012 in Hyderabad, during 4-8<sup>th</sup> August 2012. Paper ID: P1002772 (Paper is available in IEEE Xplore)
- 15. A paper entitled "Experimental Investigations Relating to Reduction in Lightning Impulse Voltage Response of a Power Transformer Model Winding Provided with Metal Oxide Varistors" accepted for presentation and publication in the proceedings of IEEE International Conference on Electrical Insulation and Dielectric Phenomena (CEIDP-2012) at Montreal, Quebec, Canada during 14<sup>th</sup> – 17<sup>th</sup> October 2012, Paper Number: 0161-000309.
- 16. Substation Automation based on PLC and SCADA" presented and published at an International Conference on Innovative Trends in Natural / Applied Sciences and Energy Technology for Sustainable Development (ITNASETSD – 2013) on 27<sup>th</sup> and 28<sup>th</sup> July 2013 at JNU, New Delhi.

- 17. "Simulation Investigations on Flywheel Energy Ride Through Systems" presented and published at an International Conference on Innovative Trends in Natural / Applied Sciences and Energy Technology for Sustainable Development (ITNASETSD – 2013) on 27<sup>th</sup> and 28<sup>th</sup> July 2013 at JNU, New Delhi.
- "Comparative Analysis of 24 and 48 Pulse Double Bridge VSC based HVDC System" Presented and published at an International Conference on Future Trends in Electronics & Electrical Engineering (FTEE – 2013) on 4<sup>th</sup> Aug. 2013 at THE HHI SELECT, Bangalore, pp 10 – 13, ISBN No: 978-93-83060-10-8.
- "Simulation Studies on Wind Farm Using Power System Computer Aided Design Software" Presented and published at an International Conference on Future Trends in Electronics & Electrical Engineering (FTEE – 2013) on 4<sup>th</sup> Aug. 2013 at THE HHI SELECT, Bangalore, pp 20 – 23, ISBN No: 978-93-83060-10-8.
- "ANN Intelligence in UPFC to Regulate DC Link Voltage" presented and published at an International Conference on Future Trends in Electronics & Electrical Engineering (FTEE – 2013) on 4<sup>th</sup> Aug. 2013 at THE HHI SELECT, Bangalore, and pp 43 – 46, ISBN No: 978-93-83060-10-8.
- 21. "Time Domain Analysis of a 12 Coil Section and 18 Coil Section Transformer Model Winding Subjected to a Variety of Surge Voltages" presented and published at an International Conference on Power and Advanced Control Engineering 2015 (ICPACE) during 12<sup>th</sup> – 14<sup>th</sup> August 2015. The conference was organized by BNM Institute of Technology and cosponsored by IEEE - PES Chapter, Bangalore section. (This paper has also been published in IEEE Explore, DOI 978-1-4799-8371-1/15.)
- 22. Dr. Mohd. Z. A. Ansari, Ashok Kumar S, & N Ravi Kumar presented a paper titled "Determination of Electrical Breakdown Strength of PVA and PVP Presspaper Used for High Voltage Transformers" in 3<sup>rd</sup> IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology (RTEICT-2018), during 18<sup>th</sup> – 19<sup>th</sup> May 2018 at Sri Venkateshwara Institute of Technology, Bangalore Paper ID 1000.

## Papers Published in National Conferences

- "Improvements in Transient Voltage Distribution across Power Transformer winding Sections due to Surges" published in National Conference on Emerging Trends in Power Systems (ETPS - 2007) held at KLN College of Engineering Pottapalayam Post, Sivagangai Dist., Tamilnadu, during 15<sup>th</sup> – 16<sup>th</sup> February 2007, pp 5 – 9.
- "New Method of Protection of Power Transformer Winding Sections against Surge Voltages" published in National Conference on Recent Advances in Electrical Engineering (NCRAEE-2007) held at Vignan Institute of Technology, Vizag, Andhra Pradesh, during 9<sup>th</sup> – 10<sup>th</sup> March 2007, pp 1-23 to 1-27.

- "Characterization of Performance of Paper-Oil Insulation System" in Third National Conference on Advanced Techniques in Electrical Engineering (NCATEE- 2010), at SJB Institute of Technology, Bangalore held on 8<sup>th</sup> May 2010, pp 6 - 9. The paper was awarded as BEST PAPER of the conference.
- "Modern Control Method for Distribution Network Distributed Static Series Compensator in National Conference on Engineering Management and Computer Applications (NRTIEMC 2011 – PCE) during 23<sup>rd</sup> & 24<sup>th</sup> May 2011, pp 93-102.
- "Effect of Copper Sulphide on Insulation Paper in a National Conference on Engineering Management and Computer Applications (NRTIEMC 2011 – PCE) during 23<sup>rd</sup> & 24<sup>th</sup> May 2011, pp 118-123.
- "Simulation Analysis of Dynamic Voltage Control in a Power System Using STATCOM Fuzzy Concepts" Recent Investigations in Electrical Engineering using Experimental and Computational Techniques (NCRE<sup>3</sup>CT-2011) being organized by BNM Institute of Technology, Bangalore on 14<sup>th</sup> Oct. 2011.
- "Impulse Voltage Stresses Across Power Transformer Model Winding Sections Provided With Metal Oxide Surge Absorber Blocks – Simulation and Experimental Approach" in a National Conference on Recent Investigations in Electrical Engineering using Experimental and Computational Techniques (NCRE<sup>3</sup>CT-2011) being organized by BNM Institute of Technology, Bangalore on 14<sup>th</sup> Oct. 2011.
- "Simulation of Three Level Parallel Connected Voltage Source Inverters to Reduce Harmonics Using Filters" presented and published a paper in the proceedings of National conference on Technological Developments in Power Engineering (TDPE - 2012) at School of Electrical Engineering in association with faculty chapter, Vignan University, Vadlamudi, Andhra Pradesh, during 17- 18<sup>th</sup> August 2012, pp 33-39.
- "Simulation Study On Smart Grid Distribution" presented and published a paper in the proceedings of National conference on Technological Developments in Power Engineering (TDPE - 2012) at School of Electrical Engineering in association with faculty chapter, Vignan University, Vadlamudi, Andhra Pradesh, during 17 – 18<sup>th</sup> August 2012, pp 158-161.
- "Industrial Energy Management System Using SCADA and PLC" presented and published in the proceedings of National conference on Technological Developments in Power Engineering (TDPE - 2012) at School of Electrical Engineering in association with faculty chapter, Vignan University, Vadlamudi, Andhra Pradesh during 17 - 18 August 2012, pp 238-240.
- 11. *"Hybridization of Fuel Cell and Wind Energy With Regulated Power Processing Using Fuzzy Logic"* in a National Conference on Power, Control and Signal Processing (NConPCS 2014)

organized by Department of Electrical and Electronics Engineering, Ghousia College of Engineering, Ramanagaram on 17<sup>th</sup> July 2014. Paper ID: NCON 101.

- "Fault Current Reduction in Substation using FCL and Reliability Improvement" in a National Conference on Power, Control and Signal Processing (NConPCS - 2014) organized by Department of Electrical and Electronics Engineering, Ghousia College of Engineering, Ramanagaram on 17<sup>th</sup> July 2014. Paper ID: NCON 103.
- 13. "Performance Analysis of Grid Connected Solar & Wind System with Voltage and Current Regulation" in a National Conference on Power, Control and Signal Processing (NConPCS 2014) organized by Department of Electrical and Electronics Engineering, Ghousia College of Engineering, Ramanagaram on 17<sup>th</sup> July 2014. Paper ID: NCON 104.
- 14. "Design of a Compact Size Grid Connected PV Inverter" in a National Conference on Power, Control and Signal Processing (NConPCS - 2015) organized by Department of Electrical and Electronics Engineering, Ghousia College of Engineering, Ramanagaram on 8<sup>th</sup> April 2015. Paper ID: NCON 203, pp 11-14.
- 15. "Modeling and Analysis of Modular Multilevel Converter used in HVDC Transmission Line" in a National Conference on Power, Control and Signal Processing (NConPCS - 2015) organized by Department of Electrical and Electronics Engineering, Ghousia College of Engineering, Ramanagaram on 8<sup>th</sup> April 2015. Paper ID: NCON 214, pp 58-60.
- 16. "PLC And SCADA Based Controlling and Monitoring of Photovoltaic Energy System" in a National Conference on Power, Control and Signal Processing (NConPCS - 2015) organized by Department of Electrical and Electronics Engineering, Ghousia College of Engineering, Ramanagaram on 8<sup>th</sup> April 2015. Paper ID: NCON 223, pp 88-91.
- "Maximum Power Extraction Using Switched PV Array under Partial Shading" in a 7<sup>th</sup> National Conference on Advanced Techniques in Electrical and Electronics Engineering (NCATEE – 16) organized by Department of Electrical and Electronics Engineering, SJBIT, Kengeri, Bangalore on 7<sup>th</sup> May 2016.
- "Fuzzy Controlled Enhanced PLL Based Grid Voltage Synchronization for DG Systems Under Abnormal Grid Conditions" in a National Conference on Innovative Technologies in Electrical and Electronics Engineering (NCITEE – 16) organized by Sri Krishna Institute of Technology, Bangalore on 17<sup>th</sup> May 2016.

- "Optimized Control of Charging and Discharging of PEV Based Distribution Grid System" in a National Conference on Innovative Technologies in Electrical and Electronics Engineering (NCITEE – 16) organized by Sri Krishna Institute of Technology, Bangalore on 17<sup>th</sup> May 2016.
- 20. Dr. Mohd. Zahed Ahmed Ansari and Sinchana B K, Published a paper titled "An Optimal Reactive Power Control; Scheme in DFIG Based Wind Power Generation with Reduction in Losses" in a National Conference on Power, Control and Signal Processing (NConPCS 2017) organized by Department of Electrical and Electronics Engineering, Ghousia College of Engineering, Ramanagaram on 6<sup>th</sup> May 2017, pp 01-05. This paper has also been published in an International Journal of Engineering Research & Technology (IJERT), Special Issue 2017, Volume 5, Issue 18, pp 8-12, ISSN: 2278-0181.
- 21. Dr. Mohd. Zahed Ahmed Ansari and Goutham N S, "Determination of Optimal Location of FACTS Devices for Power System Restoration Including Load Flow and Contingency Analysis" published in a National Conference on Power, Control and Signal Processing (NConPCS - 2017) organized by Department of Electrical and Electronics Engineering, Ghousia College of Engineering, Ramanagaram on 6<sup>th</sup> May 2017. This paper has also been published published in International Journal of Engineering Research & Technology (IJERT), Special Issue 2017, Volume 5, Issue 18, pp 17-20, ISSN: 2278-0181.
- 22. Dr. Mohd. Z. A. Ansari and Apoorvashree H L. presented a paper titled, "Efficient Energy Management System for Hybrid Electric Vehicle Using Super capacitor Sizing Method" published in a National Conference on Advanced Techniques in Electrical and Electronics Engineering, organized by Department of Electrical and Electronics Engineering, SJBIT, Bangalore on 9<sup>th</sup> May 2018.

# **GHOUSIA COLLEGE OF ENGINEERING, RAMANAGARAM - 562159**

# FEE STRUCTURE : 2022 - 23

SI. No	Branch	Management	KEA
1	Computer Science & Engineering	1,75,000/-	98,984/-
2	Information Science & Engineering	1,50,000/-	98,984/-
3	Electronics & Communication Engineering	1,25,000/-	98,984/-
4	Electrical & Electronics Engineering	90,000/-	98,984/-
5	Mechanical Engineering	90,000/-	98,984/-
6	Civil Engineering	1,25,000/-	98,984/-

Principal PRINCIPAL Ghousta College of Engineering Ramanagara-582159

Estimated Cost of Boarding and Lodging is 66000/- P.A

15

SI.	Branch	Intake				Total			Adm	itted	
No		KEA – 40%	KRLMPA- 30%	NRI - 20%	MNGT - 10%	Intake	KEA	Mngt.	Total	SNQ	Total Admission
1	Civil Engineering	24	18	12	06	60	01	15	16	03	19
2	Mechanical Engineering	24	18	12	06	60	-	07	07	02	09
3	Electrical & Electronics Engineering	24	18	12	06	60	04	07	11	03	14
4	Electronics & Commn. Engineering	24	18	12	06	60	16	25	41	03	44
5	Computer Science & Engineering	48	36	24	12	120	39	71	110	06	116
	Total :-	144	108	72	36	360	60	125	185	17	202

# GHOUSIA COLLEGE OF ENGINEERING, RAMANAGARAM - 562159

Principal

Ghousia College of Engineering Ramanagara-562159

GHOUSIA COLLEGE OF ENGINEERING, RA	MANAGARAM – 562159
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SI.	Renat	Intake				Total	Admitted					
No	Branch	KEA - 40%	KRLMPA- 30%	NRI - 20%	MNGT - 10%	Intake	KEA	Mngt.	Total	SNQ	Total Admission	
1	Civil Engineering	48	36	24	12	120	-	25	25	06	31	
2	Mechanical Engineering	48	36	24	12	120	-	06	06	02	08	
3	Electrical & Electronics Engineering	24	18	12	06	60	01	09	10	02	12	
4	Electronics & Commn. Engineering	24	18	12	06	60	-	13	13	02	15	
5	Computer Science & Engineering	48	36	24	12	120	21	43	64	6+3	73	
	Total :-	192	144	96	48	480	22	96	118	18+3	139	

# First Year B.E. Admission 2020 - 2021

Principal PRINCIPAL Ghousia College of Engineering Ramanagsta-562159

SI.	Branch		Intak	e		Total Intake	Admitted					
No		KEA - 40%	KRLMPA- 30%	NRI - 20%	MNGT - 10%		KEA	Mngt.	Total	SNQ	Total Admission	
1	Civil Engineering	48	36	24	12	120	04	25	29	6+3	38	
2	Mechanical Engineering	48	36	24	12	120		15	15	04	19	
3	Electrical & Electronics Engineering	24	18	12	06	60	01	19	20	02	22	
4	Electronics & Commn. Engineering	24	18	12	06	60	04	19	23	03	26	
5	Computer Science & Engineering	36	27	18	09	90	26	52	78	4+1	83	
	Total :-	180	135	90	45	450	35	130	165	19+4	188	

# GHOUSIA COLLEGE OF ENGINEERING, RAMANAGARAM - 562159

### First Year B.E. Admission 2019-2020

Principal PRINCIPAL Ghousta College of Engineering Ramanagura-562159

# **11.ADMISSION PROCEDURE**

Admission to B.E. thorough Competitive entrance test.

- 1. KARNATAKA EXAMINATION AUTHORITY (KEA) . (formarly called as CET) Karnataka domicile candidates can apply for this test. For details, please log on to Website: http://www.kea.kar.nic.in. during the month of Jan / Feb.
- 2. KRLM Both Karnataka and Non-Karnataka candidates can take this test. for details refer to Website: www.kmca.info during the month of Jan/Feb
- 3. Management: Apply direct to the college for details refer to this website during May/June. OR contact email: principalgce@gmail.com during the months may / June

M.Tech –

Admission is through PGCET only. For details, please see http://www.kea.kar.nic.in. (Candidates from Karnataka and Non-Karnataka are eligible).

**Management**: Apply direct to the college for details refer to this website during May/June. OR contact email: principal\_gce@hotmail.com during the months May / June

### **12. RESULTS OF THE STUDENTS**

# GHOUSIA COLLEGE OF ENGINEERING, RAMANAGARAM – 562159

		l Year (20	16-17)	II Year (	2017-	III Year	2018-	IV Year	(2019-
SI.	Branch			18	/	19		20	)
No		Appeared	Eligible	Appeared	Eligible	Appeared	Eligible	Appeared	Pass
									out
1	Civil Engineering	115	77	77	63	63	60	60	57
2	Mechanical Engineering	93	63	63	49	49	47	47	46
3	Electrical & Electronics Engineering	34	21	21	15	15	14	14	14
4	Electronics & Communication Engineering	74	49	49	43	43	40	40	38
5	Computer Science & Engineering	71	53	53	49	49	48	48	45
6	Information Science & Engienering	28	16	16	15	15	14	14	11
	Total :-	415	279	279	234	234	223	223	211

# 2016 BATCH (2019-2020)

50.84 %

# GHOUSIA COLLEGE OF ENGINEERING, RAMANAGARAM – 562159

		I Year (20	)17-18)	ll Year (	2018-	III Year	2019-	IV Year	(2020-
SI.	Branch			19	/	20		21	)
No		Appeared	Eligible	Appeared	Eligible	Appeared	Eligible	Appeared	Pass
									out
1	Civil Engineering	100	82	82	73	73	73	73	68
2	Mechanical Engineering	58	44	44	37	37	37	37	36
3	Electrical & Electronics Engineering	27	22	22	20	20	20	20	20
4	Electronics & Communication Engineering	29	26	26	20	20	20	20	20
5	Computer Science & Engineering	87	68	68	62	62	62	62	60
6	Information Science & Engienering	14	10	10	10	10	10	10	09
	Total :-	315	252	252	222	222	222	222	213

# 2017 BATCH (2020 - 2021)

67.16 %

# GHOUSIA COLLEGE OF ENGINEERING, RAMANAGARAM – 562159

SI.	Branch	l Year (20	)18-19)	ll Year (2	2019-20)	III Year 20	)20-21)	IV Year (2021-22)	
N o		Appeared	Eligible	Appeared	Eligible	Appeared	Eligible	Appeared	Pass out
1	Civil Engineering	67	33	33	33	33	33	33	29
2	Mechanical Engineering	36	21	21	20	20	20	20	15
3	Electrical & Electronics Engineering	17	15	15	13	13	13	13	08
4	Electronics & Communicati on Engineering	35	30	30	30	30	30	30	28
5	Computer Science & Engineering	69	55	55	55	55	54	54	51
	Total :-	224	154	154	154	154	154	154	131

# 2018 BATCH (2021 - 2022)

58.48 %

# 15. INFORMATION OF INFRASTRUCTURE

	Department	No. of Class Room	No. of Tutorial	No. of Laboratory
1	Civil Engineering	4	1	8
2	Mechanical Engineering	4	1	9
3	Electrical & Electronics Engineering	3	1	10
4	Electronics & Communication Engineering	3	1	10
5	Computer Science & Engineering	5	2	7
6	First Year	6	2	5
7	P.G	6	2	5
Total		31	10	53

# Number of Library books/Titles and Journal available

SL.No.	BRANCH	TITLES	VOLUMES				
1.	CIVIL ENGINEERING	3552	6991				
2.	MECHANICAL ENGINEERING	2776	9921				
3.	ELECTRICAL & ELECTRONICS ENGG.	1869	7306				
4.	ELECTRONICS & COMMN. ENGG.	1893	7022				
5.	COMPUTER SCIENCE & ENGG.	1399	5390				
6.	INFORMATION SCIENCE & ENGG. 809 36						
HUMANI	<u>TIES</u>	i					
7.	PHYSICS	324	1384				
8.	CHEMISTRY	298	1359				
9.	MATHEMATICS	757	3585				
10.	GENERAL BOOKS	1230	2434				
	TOTAL BOOKS	14907	48994				
P.G.BOOK	<u>ks</u>						
	MECHANICAL ENGINEERING	253	1091				
	ELECTRICAL & ELECTRONICS ENGG.	235	962				
	CIVIL ENGINEERING	46	165				
	DEPARTMENTAL LIBRARIES	1098	5313				
	SC/ST BOOK BANK	353	1615				

### LIST OF JOURNALS SUBSCRIBED

# **CIVIL ENGINEERING BRANCH**

SI. N	No.	National Journals					
1	Inside C	Inside Outside					
2	Indian C	Indian Concrete journal					
3	Indian C	Indian Construction					
4	The Master Builder						
5	Indian H	Indian Highways					
6	Journal of Indian Road Congress						
7	Civil Eng	Civil Engineering and Construction Review					
8	Journal	Journal of Structural Engineering					

# **MECHANICAL ENGINEERING**

Sl. No.	National Journals
1	Industrial Safety Chronicle
2	National Products News
3	Indian Journals of Engineering and Materials Science
4	Industrial Automation
5	Manufacturing Technology-Today
6	World Pumps India
7	Steams & Boiler Review
8	LAB Experiments
9	Industrial Equipment News
10	Foundry: An Indian Journal of Progressive Metal Casting
11	Nuclear India

SI. No.	International Journals			
1	IEEE/ASME : Journal of Microelectromechanical Systems & Electronics			
2	IEEE: Transaction on Mechatronics			
3	IEEE: Transaction on Nanotechnology			

# **ELECTRICAL & ELECTRONICS ENGINEERING**

SI. No.	National Journals
1	Electrical India
2	Lighting India
3	Water & Energy (INTL)
4	Cooling India

SI. No.	International Journals
1	IEEE: Transactions of Power Delivery
2	IEEE: Transaction of Power System
3	IEEE: Spectrum
4	IEEE: Transaction on Parallel & Distributed Systems
5	IEEE: Power & Energy
6	IEEE: Transaction on Very large-Scale Integration System
7	IEEE: Control Systems
8	IEEE: Transaction on Energy Conversion
9	IEEE: Transaction on Circuits & Systems
10	IEEE: Transaction on Automatic on Control
11	IEEE: Journal of Photovoltaics'
12	IEEE: Transaction on Sustainable Energy
13	IEEE: Transaction on Dielectrics on Electrical Insulation
14	IEEE: Electrical Insulation Magazine
15	IEEE: Transaction on Control of network System

# **ELECTRONICS & COMMUNICATION ENGG.**

SI. No.	National Journals
1	Electronics for You Plus
2	Electronic Bazar
3	Data Quest
4	P.C Quest
5	IETE Technical Review
6	IEEMA Journal
7	Electronics Maker
8	Digit

SI. No.	International Journals
1	IEEE: Transactions of Mobile Computing
2	IEEE: Transactions on Smart Grid
3	IEEE: Wireless Communications
4	IEEE: Transaction on Industrial Electronic
5	IEEE: Industrial Electronics Magazine
6	IEEE: Journal of Emerging & Selected Topics in Power Electronics

# **COMPUTER SCIENCE & INFORMATION SCIENCE ENGG**

Sl. No.	National Journals
1	Express Computers
2	Linux for You
3	Embedded for you
4	Digital Learning
5	Open Source for you

Sl. No.	International Journals	
1	IEEE: Transaction on Computers	
2	IEEE: Transaction on Software Engineering	
3	IEEE: Computers	
4	IEEE: Transaction on Cloud Computing	



This is to certify that "GHOUSIA COLLEGE OF ENGINEERING" is registered as a NDLI Club under the National DigitalLibrary of India.



Registration No.: INKANC5CHPODF3P Date of Registration: 16/04/2022 Validity Extended Upto: 16/04/2023

Kalyon Sucha

Prof. K. P. Sinhamahapatra Joint Principal Investigator National Digital Library of India Project Chairman Central Library IIT Kharagpur

Dr. B. Sutradhar Joint Principal Investigator National Digital Library of India Project Librarian Central Library IIT Kharagpur

### 16. ENROLMENT AND PLACEMENT DETAILS

	Department	2020	2021	2022
1	Civil Engineering	19	6	34
2	Mechanical Engineering	42	7	32
3	Electrical & Electronics Engineering	30	10	25
4	Electronics & Communication Engineering	19	24	33
5	Computer Science & Engineering	38	36	62
6	Information Science & Engineering	5	5	5

### EOA TILL THE CURRENT ACADEMIC YEAR

#### All India Council for Technical Education (A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2022-23

#### Extension of Approval (EoA)

F.No. South-West/1-10968841404/2022/EOA

To,

The Principal Secretary (Hr. & Tech Education) Govt. of Karnataka, K. G.S., 8th Floor, M.S. Building, R. N. 645, Dr. B. R. Ambedkar Road, Bangalore-560001

#### Sub: Extension of Approval for the Academic Year 2022-23

Ref: Application of the Institution for Extension of Approval for the Academic Year 2022-23

#### Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2022 Notified on 4th February, 2022 and amended on 24th February 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-6749453	Application Id	1-10968841404
Name of the Institution	GHOUSIA COLLEGE OF ENGINEERING	Name of the Society/Trust	GHOUSIA INDUSTRIAL & ENGINEERING TRUST
Institution Address	BANGALORE - MYSORE ROAD, RAMANAGARAM, RAMANAGARA, Kamataka, 562159	IAGARAM, RAMANAGARA, Society/Trust Address	
Institution Type	Private-Self Financing	Private-Self Financing Region	
Year of Establishment	1994		

To conduct following Courses with the Intake indicated below for the Academic Year 2022-23

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status



Institution Address	RAMANAGARAM, RAMANAGARA, Kamataka, 562159	Society/Trust Address	ANGALORE URBAN,Kamataka,560029	
Institution Type	Private-Self Financing	Region	South-West	
Year of Establishment	1994			

### To conduct following Courses with the Intake indicated below for the Academic Year 2022-23

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERI NG AND TECHNOLO GY	CIVIL ENGINEERING	Visvesvaraya Tech nological University, Belgaum	60	60	NA	NA
UNDER GRADUATE	ENGINEERI NG AND TECHNOLO GY	COMPUTER SCIENCE AND ENGINEERING	Visvesvaraya Tech nological University, Belgaum	120	18055	NA	NA
UNDER GRADUATE	ENGINEERI NG AND TECHNOLO GY	ELECTRICAL AND ELECTRONICS ENGINEERING	Visvesvaraya Tech nological University, Belgaum	60	60	NA	NA

Application No:1-10968841404 ALL INDIA COUNCIL FOR TECHNICAL EDUCATION Note: This is a Computer generated Report. No signature is required. Printed By : ae4583131

Page 1 of 4

Letter Printed On:7 July 2022

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERI NG AND TECHNOLO GY	ELECTRONICS AND COMMUNICATIO NS ENGINEERING	Visvesvaraya Tech nological University, Belgaum	60	60	NA	NA
UNDER GRADUATE	ENGINEERI NG AND TECHNOLO GY	INFORMATION SCIENCE AND ENGINEERING	Visvesvaraya Tech nological University, Belgaum	0	60 <sup>##</sup>	NA	NA
UNDER GRADUATE	ENGINEERI NG AND TECHNOLO GY	MECHANICAL ENGINEERING	Visvesvaraya Tech nological University, Belgaum	60	60	NA	NA
POST GRADUATE	ENGINEERI NG AND TECHNOLO GY	MANUFACTURIN G SCIENCE AND ENGINEERING	Visvesvaraya Tech nological University, Belgaum	9	9	NA	NA
POST GRADUATE	ENGINEERI NG AND TECHNOLO GY	POWER SYSTEMS ENGINEERING	Visvesvaraya Tech nological University, Belgaum	18	9**	NA	NA
POST GRADUATE	ENGINEERI NG AND TECHNOLO GY	STRUCTURAL ENGINEERING	Visvesvaraya Tech nological University, Belgaum	18	18	NA	NA
POST GRADUATE	ENGINEERI NG AND TECHNOLO GY	MACHINE DESIGN	Visvesvaraya Tech nological University, Belgaum	9	9	NA	NA
POST GRADUATE	ENGINEERI NG AND TECHNOLO GY	COMPUTER SCIENCE AND ENGINEERING	Visvesvaraya Tech nological University, Belgaum	0	18##	NA	NA

## Approved New Course(s) \$\$ New Course(s)/Increase in Intake should be offered in Emerging Area \*\*Intake reduced due to the admissions less than or equal to 30% of the initial "Approved Intake" for the past 5 years consistently

#### Important Instructions

- The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC (NCL)/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
- 2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2022-23 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty. Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE beginning with the Academic Year 2022-23
- Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as Approval Process Handbook and provisions made in AICTE Regulation notified from time to time.
- In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Pharmacy Institute: In compliance with the order dated 05.03.2020 passed by the Hon'ble Supreme Court of India in Transferred Petitions (CIVIL) No 87-101 of 2014, for the existing institutions offering courses in Pharmacy Programme, approval of Pharmacy Council of India (PCI) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per the respective regulatory body (PCI). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by PCI, the approval of PCI shall prevail.

Architecture Institute: In compliance with the order dated 08.11.2019 passed by the Hon'ble Supreme Court of Indian CA No.364/ 2005, for the existing Institutions offering Courses in Architecture Programme, approval by the Council of Architecture (CoA) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per respective regulatory body (CoA). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by CoA, the approval of CoA shall prevail.

Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

> Prof.Rajive Kumar Member Secretary, AICTE

Copy to:

1. The Director Of Technical Education\*\*, Karnataka

- The Registrar\*\*,
  - Visvesvaraya Technological University, Belgaum