

# GOVERNMENT COLLEGE OF ENGINEERING, SALEM - 11



# IQAC - Internal Quality Assurance Cell

Annual report on 2022-23

# **IQAC**

- About
- Quality Indicators
- IQAC Members
- IQAC Minutes
- AQAR
- Quality Initiatives
- > Quality Sustenance
- Quality Assurances
- > Institutional Distinctiveness

### **About IQAC:**

As per the guidelines of "National Assessment and Accreditation Council (NAAC)", the establishment of "Internal Quality Assurance Cell (IQAC)" is a mandatory requirement for all NAAC-accredited institutions. Government College of Engineering is accredited by NAAC in the year 2018 with B+ grade (CGPA 2.58 out of 4). The IQAC was established in the year 2018 in GCE, Salem. Since its inception, has been consistently and actively involved in quality sustainability and quality enhancement activities. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions.

### **Vision**

To ensure quality culture as the prime concern for the Higher Education Institutions through institutionalizing and internalizing all the initiatives taken with internal and external support.

### The objectives of the IQAC are:

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

# **Functions of IQAC:**

- Development and application of quality benchmarks parameters for various academic and administrative activities of the institution;
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty
  - Maturation to adopt the required knowledge and technology for participatory teaching and learning process;
  - Collection and analysis of feedback response from all stakeholders on qualityrelated institutional processes;

- > Dissemination of information on various quality parameters to all stakeholders;
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- Documentation of the various programmes/activities leading to quality improvement;
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
- Periodical conduct of Academic and Administrative Audit and its follow-up
- Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.

# 1. Quality Indicators

- Criteria 1 : Curricular Aspect
- > Criteria 2 : Teaching-learning and Evaluation
- Criteria 3 : Research, Innovations and Extension
- > Criteria 4: Infrastructure and Learning Resources
- Criteria 5 : Student Support and Progression
- > Criteria 6 : Governance, Leadership & Management
- > Criteria 7: Institutional Values and Best Practices

### 2. IQAC Members:

IQAC

1.Dr. R. Malayalamurthi, Principal Chairman

**IQAC - Coordinator** 

2.Dr. A. Rubi Meena, Professor(CAS) / EEE IQAC

Coordinator

### Faculty representation (all levels)

3.Dr. V. Geetha, HOD/ EEE	Member
4.Dr.D . Shoba Rajkumar, HOD/Civil	Member
5.Prof.D. Noorullah,HOD/Mett	Member
6.Dr. C. Govindaraju, Asso. Prof(CAS)/ EEE	Member
7. Prof. K .Jayanthi, AP / ECE	Member
8.Dr.P.Senthamizhselvi ,AP/Civil	Member
9. Prof .K.Manimala ,AP/CSE	Member
10.Dr. S. Dhanalakshmi ,AP/Mett	Member
11.Dr.P.Anitha,AP/Chemistry	Member
12.Dr.K.Uma,AP/Mech	Member

### **Employers / Industrialists / Stakeholders**

13.Shri.B.M.Hasan, Associate Vice President, JSW Salem

Works, Mecheri, Salem

(Industry)

14.Shri.R.Ruben Ebenezer, CII, Salem

Member

(Employer)

### Alumni, Local Society and Student Representation

15.

Shri.V.Aravinda Krishnan, HR Consultant & Description 
Member

Trainer, Salem (Local Society)

16. Shri.S.Sudhakar, Managing Director, Turbo Engineers,
Coimbatore (Alumni)
17.Mr.Sethuraman, IV year, ECE Member
(Student)

### **Administrative officer**

17. Mr.K.Aravizhagan, PA to Principal Member

(Administration)

### 2.1. Department coordinators for AQAR

Thiru.R.Murugan, PA to Principal
Thiru.S.Muraliganesh, Superintendent
Dr. A. Ramachandran, Assistant Professor/ Chemistry
Dr.N.K.Vivekanandhan, AP/English

Dr.K.Sudha Professor (CAS)/Civil
Department coordinator Dr. P. Anitha, AP/Chemistry

Dr.A.M.Kalpana, HOD/CSE

Department coordinators Dr.P.Tharani, AP/CSE

Prof.K.Manimala, AP/CSE

Dr.D.Shoba Rajkumar, Professor & HOD/Civil Department coordinators Dr.D.Amali, AP/Civil Prof.M.Raffikbasha, AP/ Civil

Prof.D.Noorullah, HOD/Metallurgy
Department coordinators Dr.S.Dhanalaksmi, AP/Metallurgy
Prof.R.Vinothbabu, AP/ Metallurgy

Prof.D.Noorullah, HOD/Metallurgy Department coordinators Dr.S.Dhanalaksmi, AP/Metallurgy Prof.R.Vinothbabu, AP/ Metallurgy

Dr.A.M.Kalpana, HOD/ECE
Department coordinators Dr.I.Kalpana, AP/ECE
Prof.K.Jayanthi, AP/ECE

Dr.V.Geetha, Professor & HOD/EEE

Department coordinators Dr.P.Marudhupandi, Asso.Professor/EEE

Dr.T.R.Sumitra, AP/EEE

### 3. IQAC Meetings

### 3.1.Internal Meetings Periodically

The internal members of IQAC meet periodically to carry out the IQAC activities.

During meeting, various activities like preparation of AQAR, quality sustenance activities such as Academic audit, dissemination of information regarding IQAC, preparation for the conduct of training programmes for faculty, non-teaching and administrative staff, etc.. At the beginning of the academic year, a road map is created to carry out the IQAC activities in a timely and appropriate manner.

### 3.2.Annual IQAC Meeting

The IQAC members conduct an annual meeting, chaired by the Principal of the institution, where the following agenda points are discussed: (for the information, ratification, consideration and approval of the Council members): Budget estimates and Purchase activities, Preparation of AQAR, Status of other IQAC Activities, Conduct of Academic Audit, Renewal of NBA Accreditation, Conduct of Accreditation and Assessment Training Program and Infrastructure requirement for IQAC.

The annual meeting of the Internal Quality Assurance Cell was held on at 20.07.2022 3.30 pm in the Principal's Chamber.

The minutes for both internal review meetings and annual IQAC meetings are prepared and uploaded in institution website.

### 3.3.IQAC meetings were conducted on the following dates:

Meeting 1: 20.07.2022

Meeting 2: 30.08.2022

Meeting 3: 13.02.2023

Meeting 4: 29.03.2023

### 4. AQAR Submission

### 4.1. Data Collection:

For the submission of Annual Quality Assurance Report, two faculty members from each department were assigned as department coordinators along with their respective Head of Department as chairperson. These department coordinators were assigned to furnish specific information under each criterion. IQAC will send the circulars through the Principal of this Institution to Heads of all departments, coordinators for NSS/NCC and other clubs faculty in-charge and also coordinate in the follow up action, and ensures that all information is submitted. Regular review meetings are arranged to ensure the validation and completion of work within the timelines.

### 4.2. Consolidation and Submission:

Subsequent to the collection of information, IQAC goes through all the individual data and consolidates them. It then prepares a consolidated report and submits it to the Principal for approval. After the approval from concerned authority, the soft copy is uploaded in the NACC website and also in Institution website. The AQAR for recent academic year is submitted by IQAC. The AQAR for 2021-2022 was submitted by IQAC on 20.07.2023

# **5.Quality Initiatives:**

### 5.1.Establishment of IQAC office:

Forming Internal Quality Assurance Cell (IQAC) in every accredited institution as a post-accreditation quality sustenance measure necessitates office space and infrastructure for carrying out activities.

In this regard, IQAC office has been identified in the research block and it is now currently functioning here. Steps were initiated to purchase computers, printers and projectors for improving infrastructure.

### 5.2.Establishment of IQAC Members:

The IQAC should be constituted in every institution under the chairpersonship of the Head of the Institution with heads of key academic and administrative units and a few teachers and a few distinguished educationists and representatives of the local management and stakeholders as members.

The composition of the IQAC should be as follows:

- 1. Chairperson: Head of the Institution
- 2. Teachers to represent all levels (Assistant and Associate Professors) (three to eight)
- 3. One member from the Management
- 4. The senior administrative officer (Office Superintendent/Manager)
- 5. One nominee each from the Local Society/Trust, Students and Alumni
- 6. One nominee each from Employers/Industrialists/Stakeholders
- 7. One of the senior teachers as the Coordinator of the IQAC

### 5.3.Website formation:

Website for IQAC was created which contains information such as: IQAC functions, its members, activities carried out through IQAC, submitted AQAR and formats for AQAR and SSR for Cycle 2 Accreditation.

Framing Benchmark for Academics, Research and Extension Activities, Infrastructure.

### IQAC actively focussing on the targeted benchmarks as follows:

### **Benchmarks:**

### Academics:



- Implementation of Outcome Based Education System for all the UG and PG programmes
- Average pass percentage of students > 90%
- Average placement of students (on-campus)/ progressed to higher education > 95%
- Declaration of results: < 15 days
- Number of books per students in the library > 80 to 100
- Faculty/Student ratio < 1:15
- Student/Computer ratio < 3:1
- Percentage of teachers with Ph.D qualification 70%
- Academic audit periodicity: every semester

# Research



- Quality publication per faculty per year> 1 per year
- Average Ph.D. output per Department per year > 1 per year
- Number of research projects per Department > 1 per year
- Number of Patents per Department > 1 per year

### **Extension Activities**

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community >15 per year

# **Consultancy:**

### Infrastructure:

- ♦ Student Computer ratio <=3:1</p>
- ♦ Purchase of e-journals = >10% for 5 years
- Purchase and Upgradation of research equipment and tools

# **Recognition:**

### **Accreditations:**

- ♦ By 2024, NAAC 2nd cycle A++ Grade
- ♦ By 2027, NBA 100% UG and PG programmes
- NIRF Ranking within top 100

### **6. Quality Sustenance Activities**

### 6.1, Facilitating Academic Audit

IQAC initiated sending circular through the Principal to conduct Academic Audit for the academic year 2022-2023. Accordingly, with the involvement of internal faculty members the Internal Academic Audits were carried out every semester. The details were shared with the stakeholders, for taking necessary actions at their respective ends.

### 6.2. Maintaining Structured feedback for various stakeholders

IQAC prepared a structured feedback for various stakeholders and sent a circular indicating the timelines of submission of feed back analysis with action taken report through Principal to Heads of all departments. IQAC ensure that follow -up actions are communicated with the stakeholders.

# 6.3,Initiatives for improving number of publication of research journals and also getting R & D funding (UGC/ DST/ FIST)

IQAC sent a circular through the Principal to heads of all departments directing them to encourage their respective faculty members to improve the publication of research papers in scopus/web of science journals and to get R & D funding from DST and FIST.

### 6.4. Coordination of NIRF Ranking:

In coordination with IQAC, NIRF coordinator collected and then consolidated the comprehensive data. A Comprehensive Action Plan was prepared with timelines for successful submission of data well before the deadline.

### 6.5, Coordination for NBA Accreditation

During the NBA team visit, IQAC helped in giving inputs such as: Hints to prepare PPTs, List of documents to be submitted, Arrangements to be made in the: Seminar Hall/Department Labs/ Department Library, Display for various Files/ Certificates/Awards etc. Conducting mock visit for students/ staff to create awareness, coordinating with the coordinator of NBA Team

# 7.Activity of Quality Assurances

### 7.1.Conduct of Academic Audit

Internal audit for UG and PG programmes for 2021-2022 (Even Semester) and 2022-2023 (Odd Semester) was conducted on 17.03.2023 – 24.03.2023.

# 7.2. Activities on quality aspects

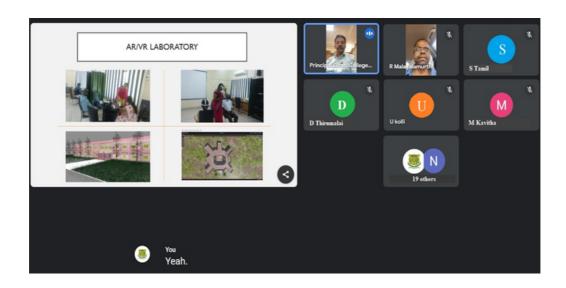
Workshop/Seminars organized:

•									
S.No.	Faculty/ Student	Name of the Workshop	From Date	To Date	No. of Days	Organized by	No. of participants		
1.	Collaborative initiative with GCE, Burgur	Workshop on experiential & Blended Learning - AR/VR by Dr. R. Malayalamurthy, Principal, GCE, Salem	04.10.2022	-	One day	IQAC	49		
2.	Collaborative initiative with GCE, Burgur	"Art of Searching, Drafting & filing Patent" by Dr. D. Shoba Rajkumar Professor & Head of the Civil Engineering Department at Government College of Engineering, Salem	07.10.2022	-	One day	IQAC	49		
3.	Student	Induction programme for students	14.11.2022	04.12.2022	3 week	Science & Humanities	444		
4.	Collaborative initiative with GCE, Burgur	Workshop on teaching and learning process"InnovateTN", Dr.R.Malayalamurthy, Principal, GCE, Salem	22.01.2023		One day	IQAC	49		

5.	Collaborative initiative with GCE, Burgur	"InnovateTN", Dr.R.Malayalamurthy, Principal, GCE, Salem	22.01.2023		One day	IQAC	49
6.	Student (PG)	Research Methodology and Ethics By Dr.T.Balusamy, Professor & Head/Mechanical Engineering & Dr.M.Raja, Assistant Professor/ Mechanical Engineering.	16.02.2023	17.02.2023	2 Days	IQAC and Mechanical Engineering	55
7.	Faculty	SKY yoga for holistic health – foundation course	27.01.2023	03.02.2023	One week	Civil	
8.	Student (PG)	Research Methodology and Ethics By Dr.T.Balusamy, Professor & Head/Mechanical Engineering & Dr.M.Raja, Assistant Professor/ Mechanical Engineering.	16.02.2023	17.02.2023	2 Days	IQAC and Mechanical Engineering	55
9.	Faculty	Electric Vehicle	20.02.2023	24.02.2023	One week	EEE	42
10.	Faculty	"Outcome Based Education", Dr. J. Nafeesa Begum, Professor and Head of the Department of Computer Science and Engineering, Government College of Engineering, Bargur	23.03.2023	24.03.2023	Two Days	Mechanical Engineering	109
11.	Student	"Workshop on Entrepreneurship and Innovation as career opportunity", Mr.J.Arumai Ruban	21.4.2023	-	One day	пс	60
12.	Student	"Business Model Canvas", Hitesh Advani Founder of TOSS	29.4.2023	-	One day	IIC & ECE	60
13.	Student	"How to plan for STARTUP and legal & Ethical Steps" G.Venkat Entrepreneur Career Spinning Wealth management & Investment	10.05.2023	-	One day	IIC	63
14.	Student	Induction programme for students.	11.09.2023	01.10.2023	3 Week	Science & Humanities	

# 7.2.1. Workshop on Experiential & Blended Learning - AR/VR

### PROOFS FOR WORKSHOP'S CONDUCTED:





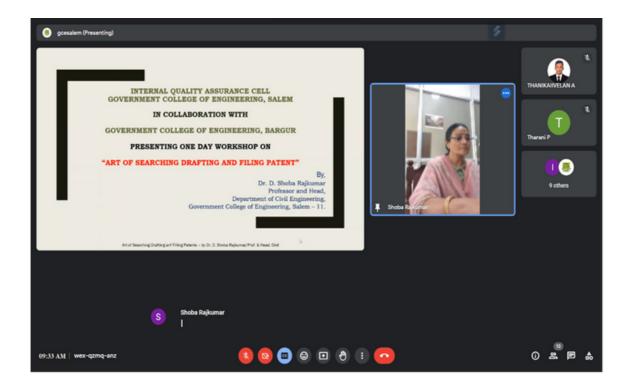


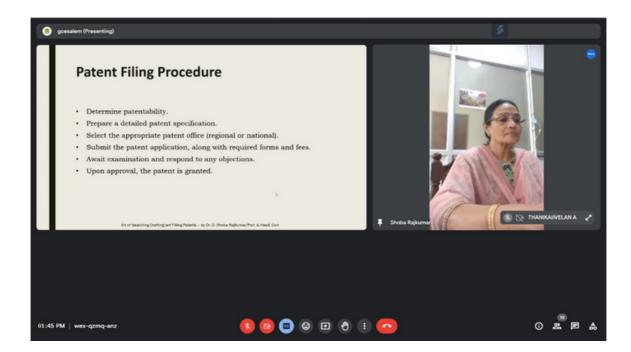




DATE: 4.10.2022

# 7.2.2. One day workshop on "Art of Searching, Drafting & filing Patent"





DATE: 7.10.2022

# 7.2.3. Induction programme for students







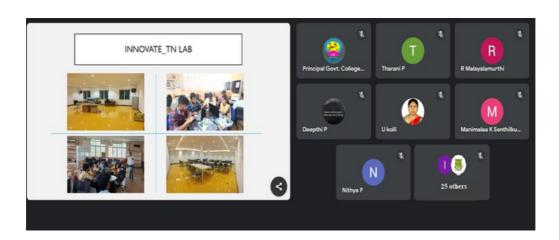






DATE: 14.11.2022-04.12.2022

# 7.2.4. One day workshop on "teaching learning process" InnovateTN







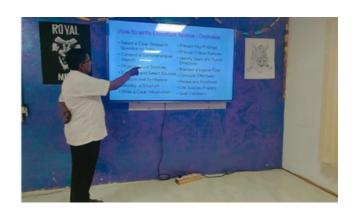




DATE: 22.01.2023

# 7.2.5. Two day Workshop on Research Methodology and Ethics for PG students:







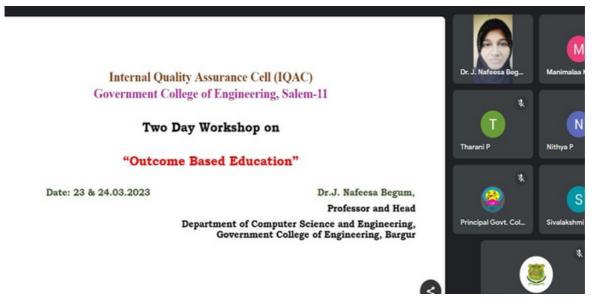






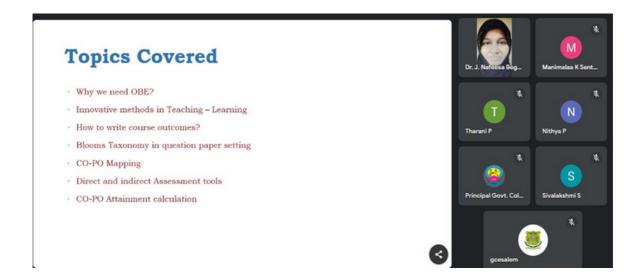
DATE: 16.02.2023

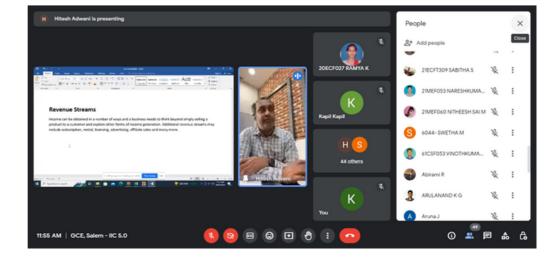
### 7.2.6. Outcome Based Education



DATE: 23.03.2023

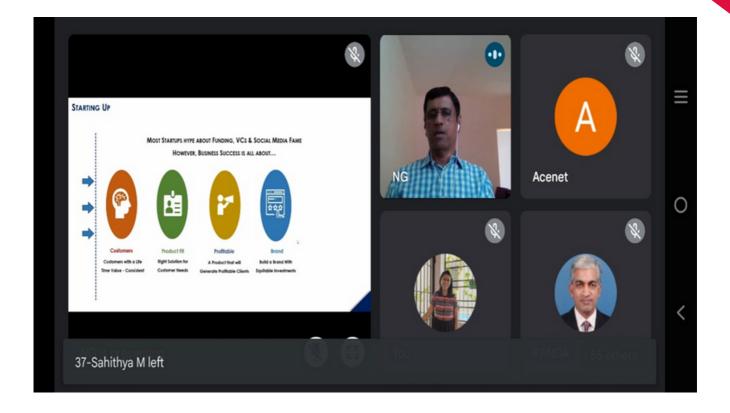
### 7.2.7 Business Model Canvas





DATE: 29.04.2023

# 7.2.8. How to plan for STARTUP and legal & Ethical Steps



DATE: 10.05.2023

# **Institutional Distinctiveness**

### **InnovateTN**

In today's rapidly changing world, where innovation and adaptability are paramount, the need for a strong foundation in mindset and skillset becomes more crucial.

It is a joint initiative of TANSIM, DoTE, Govt. of Tamil Nadu and Forge to drive the state's inno-vation outcomes through defined processes, methods and frameworks implemented at an Institute level impacting the students, educators and Industry in the local ecosystems to nur-ture a continuous pipeline of innovators and startups.



Aug 1-5 2022 - A 5 day Capacity Building Program, competency development and career enhancement program for transforming educators into innovation mentors.



6-day Ideation Sprint for Students.



















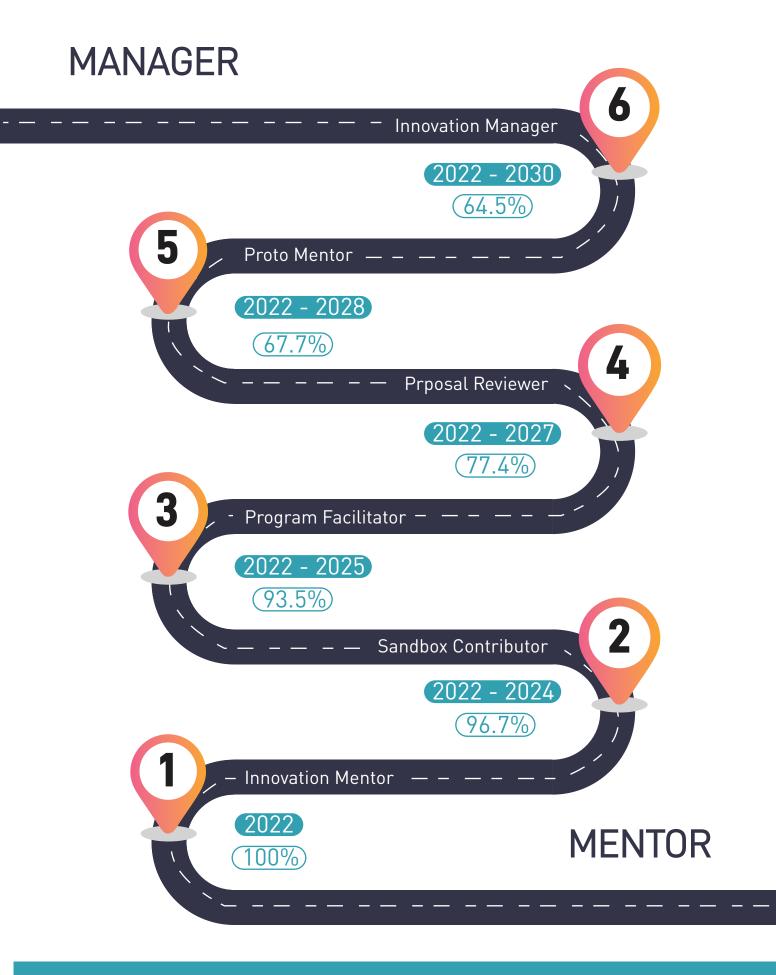
# INNOVATION MENTOR Capacity Building Program

A 5 day Capacity Building Program, competency development and career enhancement program for transforming educators into innovation mentors.

Government College of Engineering, Salem

Aug 1st - 5th, 2022

# Mentor to Manager Road Map



# Highlights #Day 1



Startup 101



Ideas Worth Prototyping



Entrepreneurial Mindset



Tech Startup Showcase



Innovation Sandbox

# #Day 2



Government/Corporate Open Innovation

Forge Innovation Handbook





Live Industry Interaction

Hacking Forge Innovation Toolkit



# #Day 3



Crafting Value Proposition

Right PITCH Pitch RIGHT





**Pitch Clinic** 

# # Day 4



Innovation Centric Teaching-learning Pedagogy



Innovation Grants and Funds



IPR
Patent Drafting



Designing Business Model



Late Evening Hacks

# # Day 5



**Rapid Prototyping** 

**Pitch Presentation** 





Valedictory



Let the Journey Begin...













# **IDEATION SPRINT - SALEM**

Date: 14th to 19 Nov, 2022

Venue: Government College of Engineering, Salem

# **Detailed Report**

# Agenda:

DAY 1

09:30 am - 11:30 am : Kick-Off 11:30 am - 12:00 pm : Tea Break 12:00 pm - 01:00 pm : Team Building

[Marshmallow Challenge]
01:00 pm - 02:00 pm : Lunch
02:00 pm - 02:30 pm : Sandbox
[Problem Selection orientation]
02:30 pm - 03:30 pm : Sandbox

[Problem Selection]

03:30 pm - 04:00 pm : Tea Break

04:00 pm - 05:00 pm : Learning Session

[Challenge Brief (CB)]

#### Outcome:

- Identify a problem statement and formation of teams
- Learn the scientific process of innovating
- Defining the real world problem statement by interacting with Industry

DAY 2

09:30 am - 11:00 am : Masterclass

[Forge Innovation Handbook]

11:00 am - 11:30 am : Tea Break

11:30 am - 01:00 pm : Learning Session [Problem Validation & Customer Discovery (PVCD)]

01:00 pm - 02:00 pm : Lunch

02:00 pm - 03:30 pm : Learning Session

[Value proposition | Identifying pains &

gains]

03:30 pm - 04:00 pm : Tea Break 04:00 pm - 05:00 pm : Hack Time

### **Outcome:**

- Apply the Forge Innovation Handbook to define the challenge
- Learn the process of converting a problem statement into a profitable business
- Define the value for the proposed solution
- Learn evaluating ideas scientifically.

DAY 3

09:30 am - 11:00 am : Masterclass

[Embedded systems, IoT]

11:00 am - 11:30 am : Tea Break

11:30 am - 01:00 pm: Learning Session

[Crafting value proposition | Value Proposition Canvas Explained]

DAY 4

09:30 am - 11:00 am : Masterclass

[Right Pitch, Pitch Right]

11:00 am - 11:30 am : Tea Break

11:30 am - 01:00 pm: Learning Session
[Value proposition | Identifying pains & gains | Crafting value proposition | Value













01:00 pm - 02:00 pm : Lunch

02:00 pm - 03:30 pm : Learning Session [Need of Concept Generation | Minimum Usable Prototype | Concept Generation | MUP Concept Assessment | MUP Tech Canvas]

03:30 pm - 04:00 pm : Tea Break 04:00 pm - 05:00 pm : Hack time 1

### **Outcome:**

• Learn few open source tools and techniques to build rapid prototypes

Proposition Canvas Explained]

01:00 pm - 02:00 pm: Lunch

02:00 pm - 03:30 pm : Learning Session [Need of Concept Generation | Minimum Usable Prototype | Concept Generation | MUP Concept Assessment | MUP Tech Canvas]

03:30 pm - 04:00 pm : Tea Break 04:00 pm - 05:00 pm : Hack time

#### Outcome:

 Develop an innovation pitch to effectively communicate the idea

#### DAY 5

09:30 am - 11:30 am : Hack time 2 11:00 am - 11:30 am : Tea Break 11:30 am - 01:00 pm : Hack time 3

01:00 pm - 02:00 pm : Lunch

02:00 pm - 03:30 pm : Hack time 4 03:30 pm - 04:00 pm : Tea Break 04:00 pm - 05:00 pm : Hack Time 5

### DAY 6

09:30 am - 11:00 am : Presentation Preparation

11:00 am - 11:30 am : Tea Break

11:30 am - 01:30 pm : Pitch Presentation &

Demonstration to Jury members 01:30 pm - 02:30 pm : Lunch 03:00 pm - 04:00 pm : Valedictory

### Outcome:

 Jury Presentation & MUP Concept Demonstration

#### Outcome:

• Prepare a proposal for raising grants/funds

DAY 1 [7.5 Hrs]

### Kick off

Students shall be given the introduction to the purpose of the 6-day boot camp and how it will be instrumental in forming their ideas into Minimum Usable Prototypes (MUPs).

### Team Building Activity













An activity to bring distributed team as one and enable a close, sportive working environment. It showcases the power of rapid iteration cycle of build, test and repeat and also emphasizes on applying and beginning with the first principles

### Sandbox (Problem selection)

Students as interdisciplinary teams shall choose real world problems from the set of problem statements put forward by the Industries during the session for which they will be curating the solutions.

### Learning Session 1 - Problem Validation & Customer Discovery (PVCD)

The students shall use the Forge Innovation handbook to empathize with the user/customer based on the design thinking principles and helps the students to build the Challenge Brief.

### Learning Session 2 - Challenge Brief

Students as teams shall discuss and curate the challenge brief for the problem statements chosen which will contribute to developing the Minimum Usable Prototype.

#### Tea Break

#### Lunch Break

DAY 2 [7.5 Hrs]

### Master class - Forge Innovation Handbook

During the session, the students shall learn the methodology Forge has designed and implemented. It is a structured managed innovation process with a scientific approach encoded in an innovation framework and an innovation toolkit developed to support innovators to de-risk innovations. The tools from the Forge innovation handbook shall help innovators to rigorously ideate, and rapidly validate that compelling value proposition offered to the RIGHT Customer through the RIGHT Product aimed at addressing a problem worth solving, a challenge worth overcoming, or a need worth fulfilling.

### Learning Session 3 - Crafting Value Proposition

Students shall learn to effectively use the Value Proposition Canvas, a tool that helps innovators practice the systematic process of defining, and validating value propositions for their innovative products or services, thereby gaining an edge over competitors.

Learning Session 4 & 5 - MUP Concept Generation & Defining PoC for Demo













The tool shall help the students on the selection of the right concept against a set of metrics. The students shall starts off with a clearly defined value proposition and understanding the adoption barriers the users have to narrow down their choices of technology for the Minimum Usable Prototype.

#### Tea break

### Lunch Break

DAY 3 [7.5 Hrs]

### Masterclass - Right Pitch Pitch Right (For Batch 1 of Students)

Students shall understand the need to clearly communicate to the resource providers their capabilities, the value of their idea, and the benefits of engaging with the team during a pitch. Also shall understand how to improve their readiness for a pitch presentation by addressing the most critical elements necessary to conceptualize the venture.

#### Hack Time 1 & 2

Students shall start working on their curated solutions for the problem statements as teams and will make the list of the BOM required to build their MUPs.

### Masterclass - Right Pitch Pitch Right (For Batch 2 of Students)

Students shall understand the need to clearly communicate to the resource providers their capabilities, the value of their idea, and the benefits of engaging with the team during a pitch. Also shall understand how to improve their readiness for a pitch presentation by addressing the most critical elements necessary to conceptualize the venture.

#### Tea break

### Lunch Break

DAY 4 [7.5 Hrs]

### Masterclass - Embedded Systems & Web development (For Batch 1 of Students)

Students shall be provided with the platform to explore Embedded Systems, 3D Design and IOT as hands -on learning experiences which will be mentored and guided by Industry Experts. So that the students shall gain necessary skills, and ideate Minimum Usable Prototype Concepts (MUP) to the real world problem chosen by student teams.

### Hack Time 3 & 4













Students shall start building their prototypes with the guidance of SPOCS from Forge team and Innovation Mentors. They shall also have the opportunity to interact with experts and startup founders both virtually and physically for gaining more insights and for refining their models.

### Masterclass - Embedded Systems & Web development (For Batch 2 of Students)

Students shall be provided with the platform to explore Embedded Systems, 3D Design and IOT as hands -on learning experiences which will be mentored and guided by Industry Experts. So that the students shall gain necessary skills, and ideate Minimum Usable Prototype Concepts (MUP) to the real world problem chosen by student teams.

#### Tea break

### Lunch Break

DAY 5 [7.5 Hrs]

#### **Presentation Orientation**

Students shall be oriented about the pitch presentation where they shall be presenting their ideas to Jury. The jury members will be industrial experts and startup founders and shall judge their ideas and provide them valuable insights to improve and develop their ideas.

### Hack time 5

From the insights and feedbacks acquired from SPOCs, mentors and industry experts, students shall be on their final level of testing their prototype.

### Pitch Canvas Preparation 1

The students shall start preparing their deck on their solutions which they will be pitching to external experts during their final day of Ideation Sprint.

### **Mock Presentation to Mentors**

A pitch practise session for the students to get feedback from the SPOCS, Mentors and peers.

### Pitch Canvas Preparation 2

The students shall rework on their presentation based on the feedbacks from the SPOCS, Mentors and peers before they pitch to external Jury.

### Tea break













### Lunch Break

DAY 6 [7.5 Hrs]

### Pitch Canvas Preparation 3

Students shall be giving the finishing touches to their pitch and prototype by testing for the one last time before they present to Jury.

### Pitch Presentation to Jury

The students shall get the opportunity to enhance the total learning and derive real time experience in a pitch session and significantly refine or sharpen different elements of their business idea or business model for the future.

### Valedictory

The Founder of a Startup related to problem statement theme or City officials along with respective college heads shall address the students about their performance for the week and also share their views and insights to motivate and drive the students to continue participating in more similar workshops.