

BGSCET-INITIATIVES

REALIZING STUDENTS' DREAMS

BGS College of Engineering and Technology, Bengaluru - 86

Presented by
Dr. Ravi Kumar G K
Principal BGSCET.

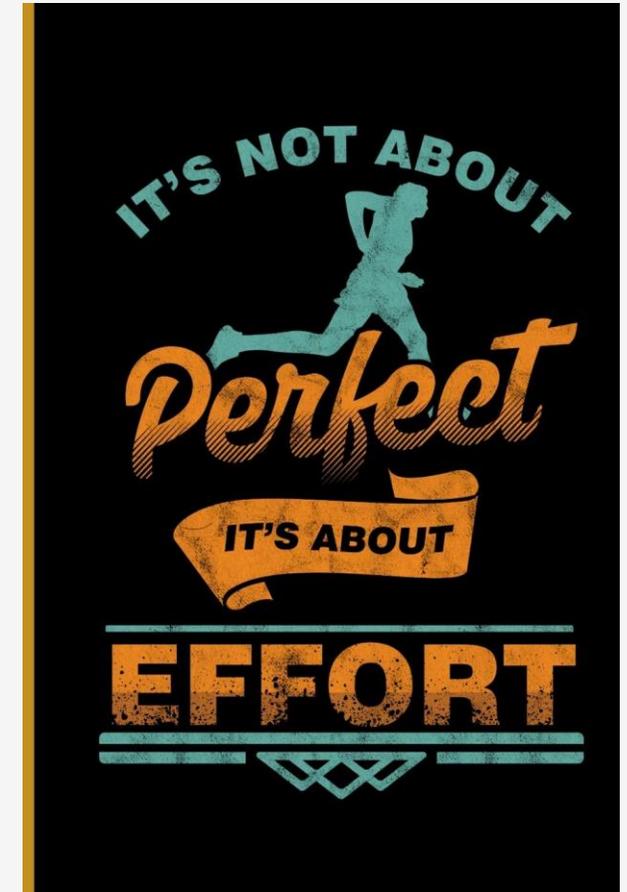
BGSCET-INITIATIVES REALIZING STUDENTS' DREAMS

We at **BGS College of Engineering and Technology (BGSCET)** are

- **Simple**
- **Small**
- **Effective**

& we take **PRIDE** in being so

We believe in **Quick Attention** and **Personalized Education**



BGSCET-INITIATIVES REALIZING STUDENTS' DREAMS

Google forms Floated to Students

BGSCET-STUDENTS' GOAL SET WITH UNIQUE OPTION

Dear Students', What's your career goal?
Be focused and kindly let us know as to plan for achieving it...



1. STUDENT NAME

2. STUDENT USN

3. STUDENT EMAIL-ID

4. STUDENT BRANCH

Mark only one oval.

- CSE
- AI&ML
- ISE
- AI&DS
- CSD

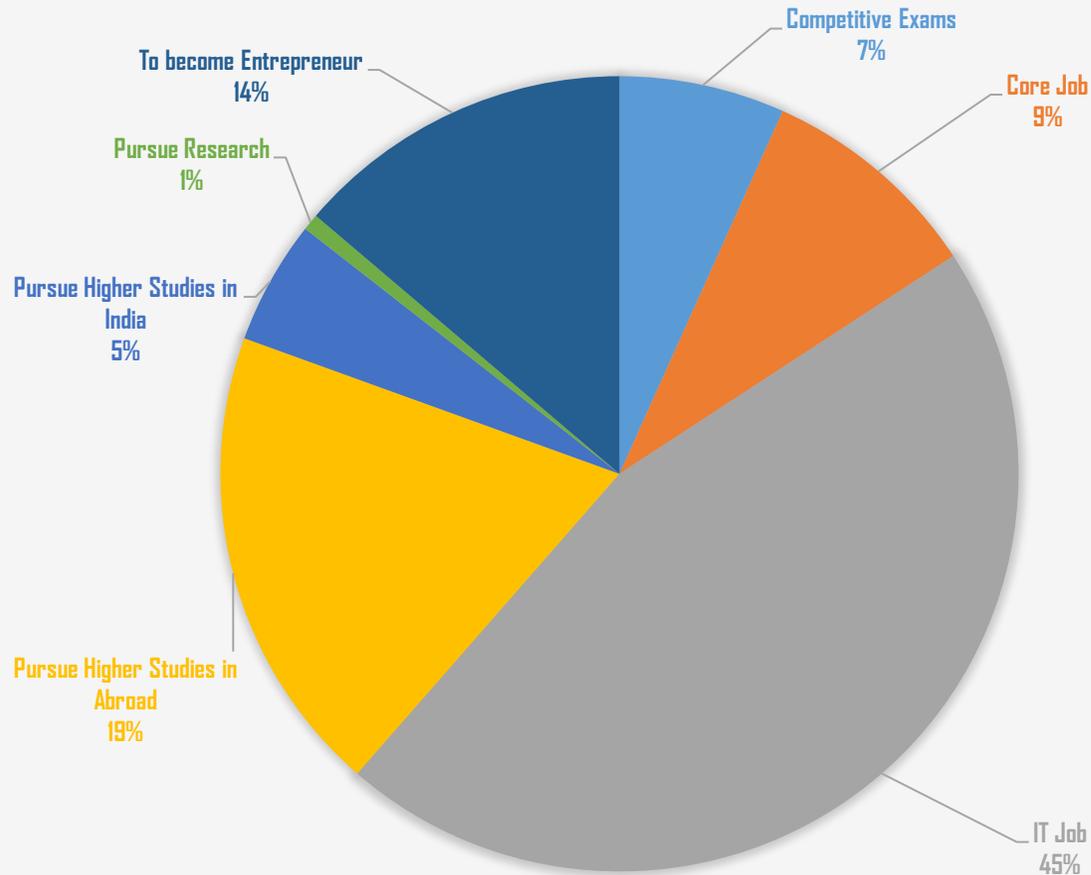
5. Select your Career Goals

Check all that apply.

- Core Job
- IT Job
- Pursue Higher Studies in India
- Pursue Higher Studies in Abroad
- Competitive Exams
- Pursue Research
- To become Entrepreneur

BGSCET-INITIATIVES REALIZING STUDENTS' DREAMS

Statistics - BGSCET (CSE, AIML, ISE, AIDS, CSD)



Highlights

Core & IT Jobs - 54 %

Entrepreneur - 14%

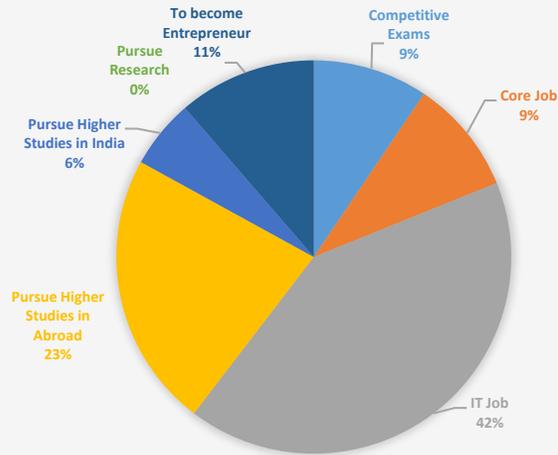
Note

"Dreams can Change"

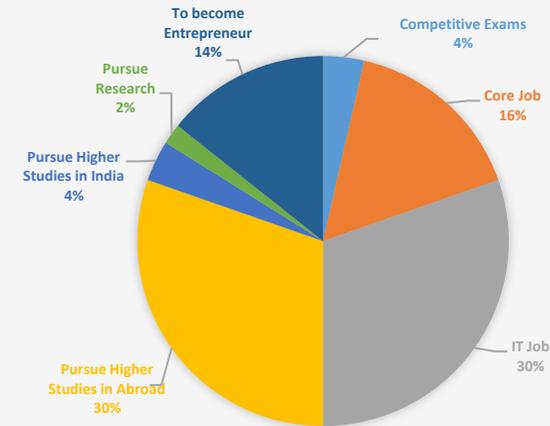
So, Students are allowed to change their dreams until 6th semester

BGSCET-INITIATIVES REALIZING STUDENTS' DREAMS

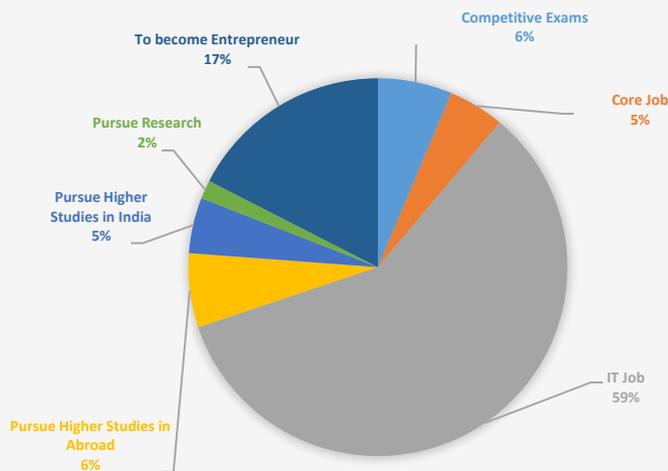
Computer Science and Engineering



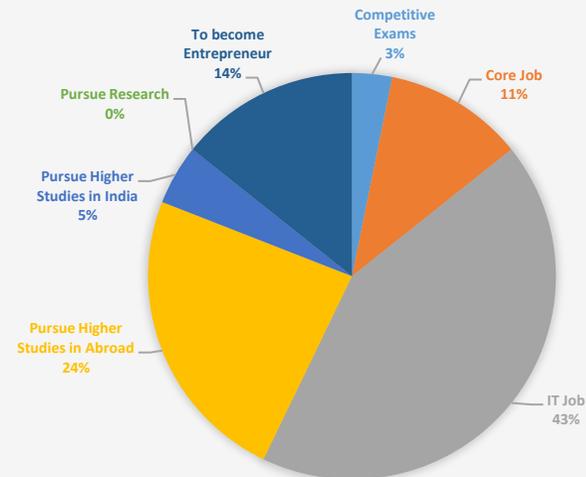
Artificial Intelligence and Machine Learning



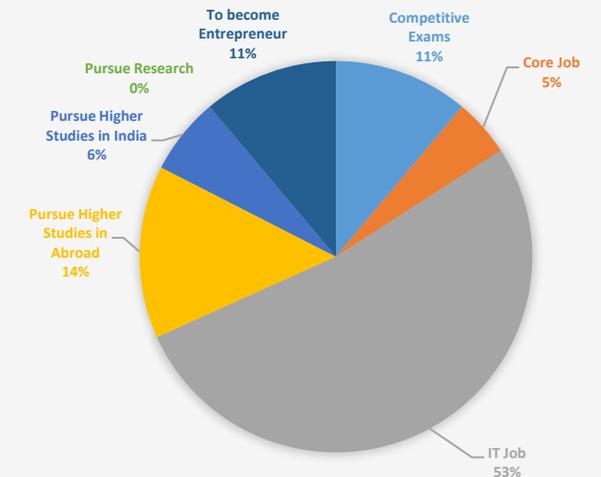
Computer Science and Design



Artificial Intelligence and Data Science



Information Science and Engineering



BGSCET-INITIATIVES REALIZING STUDENTS' DREAMS

Statistics - BGSCET (CSE, AIML, ISE, AIDS, CSD) - Branch wise

Dreams	CSE	ISE	AI-ML	AI-DS	CSD
IT jobs	42%	53%	30%	43%	59%
Core Jobs	9%	5%	16%	11%	6%
Higher Studies in Abroad	23%	14%	15%	24%	6%
Higher Studies in India	6%	6%	4%	5%	5%
Competitive Exams	9%	11%	4%	3%	6%
Pursue Research	0%	0%	2%	0%	2%
Entrepreneur	11%	11%	14%	14%	17%

Highlights

CSE

Higher Studies in Abroad - 23%

ISE

Competitive Exams - 11%

AI-ML

Entrepreneurs - 14%

AI-DS

Entrepreneurs - 14%

Higher Studies in Abroad - 24%

CSD

Entrepreneurs - 17%

DREAMS

1. CORE JOBS
2. IT JOBS
3. Pursue Higher Studies in India
4. Pursue Higher Studies in Abroad
5. Competitive Exams
6. Pursue Research
7. Entrepreneur

DREAMS with Dream Champions

1. CORE JOBS

2. IT JOBS

3. Pursue Higher Studies in India

4. Pursue Higher Studies in Abroad

5. Competitive Exams

6. Pursue Research

7. Entrepreneur

Dr. Zoya Fathima, TPO, Associate Professor and Head, Dept of Civil

Dr. Manjula G. Associate Professor and Head, Dept of CSE

Dr. Madhura G, Associate Professor, Dept of ECE

Dr. Madhu Patil, Professor and Head, Dept of ECE

Dr. Channakeshava Naik. Assistant Professor, Dept of Mechanical

Dr. Vinay Kumar B. Associate Professor and Head, Dept of Chemistry

Dr Nithin H S , Assistant Professor and Head, Dept of Mechanical

DREAMS with Dream Student Champion

1. CORE JOBS
2. IT JOBS
3. Pursue Higher Studies in India
4. Pursue Higher Studies in Abroad
5. Competitive Exams
6. Pursue Research
7. Entrepreneur

- Manushree V, 1ST Year CSE
- Manoja D, 1ST Year CSE
- M Sharath Gowda, 1ST Year ISE
- Sinchan dechakka mk, 1ST Year AIML
- Vaishnavi A, 1ST Year CSD
- Vedik, 1ST Year AIML
- Aditya Srinivasan, 1ST Year CSE

REALIZING STUDENTS' DREAMS – MIND MAP

Core Jobs

- Professional Orientation
- Communication (Verbal / Written)
- Analytical (Critical Thinking / Problem Solving / Quantitative Reasoning)
- Technical (Digital Literacy / Technical Aptitude / IT Course Certifications)
- Relationships (Teamwork and Collaborations / Global Fluency / Professionalism and Work Ethics) – Information Literacy
- Management/Leadership (Project Management / Leadership / Initiative)
- Creative (Innovation and Creativity / Flexibility & Adaptability)
- Knowledge of the core subject and its application
- Courses on Deep Coding / Hackathons
- Multi Disciplinary Exposure

IT Jobs

- Professional Orientation
- Communication (Verbal / Written)
- Analytical (Critical Thinking / Problem Solving / Quantitative Reasoning)
- Technical (Digital Literacy / Technical Aptitude / IT Course Certifications)
- Relationships (Teamwork and Collaborations / Global Fluency / Professionalism and Work Ethics)
- Management/Leadership (Project Management / Leadership / Initiative)
- Creative (Innovation and Creativity / Flexibility & Adaptability)
- Courses on Latest Technologies

Competitive Exams

- Professional Orientation / Career Counseling
- Goal setting and Motivation
- Coaching for UPSC / KPS / SSC etc.
- Training on Problem solving & Quantitative Ability
- Training on Time Management Skills
- Scholarship / Education Loan Assistance
- Test Series / Mock Test

To become Entrepreneur

- Spotting Opportunities
- Creativity
- Envisioning
- Valuing Ideas
- Ethical and Sustainable Thinking
- Coping with Uncertainty, Ambiguity & Risk
- Mobilizing Resources & Financial / Economic Literacy
- Communication skills
- Marketing skills & Collaborative way of marketing
- Power Message

Pursue Higher Education in Abroad

- Professional Orientation
- Student Profiling / University Shortlisting
- Coaching / Training
- Standardized Test Preparation
- Application Guidance
- Scholarship / Education Loan Assistance
- Pre Departure Guidance

Pursue Research

- Design and Planning of Research
- Information Empowerment
- Workshop and Training Material
- Developing a Research Protocol
- Collaboration with Public and Participants
- Protocol Operationalization
- Promoting Research by selecting Journal
- Search for funding Agencies
- Proposal writing skills
- Converting research into patent

Pursue Higher Education in India

- Career Counseling
- Student Profiling / Institute Shortlisting
- GATE Coaching / Training
- Online test / Mock Test
- Preparations for admissions in IISc, IITs, NITs and Other Top Universities

BGSCET INITIATIVES - REALISING STUDENTS' DREAMS



Competency – Activity Matrix

1

Core Jobs

Semester (II, III, IV, V, VI, VII) Mapping

Activities (approx. 500hrs)

	Professional Orientation	Communication (Verbal / Written)	Analytical (Critical Thinking / Problem Solving / Quantitative Reasoning)	Technical (Digital Literacy / Technical Aptitude / IT Course Certifications)	Relationships (Teamwork and Collaborations / Global Fluency / Professionalism and Work Ethics) - Information Literacy	Management/Leadership (Project Management / Leadership / Initiative)	Creative (Innovation and Creativity / Flexibility & Adaptability)	Knowledge of Core Subjects and Its Application	Courses on Deep Coding / Hackathons	Multi disciplinary Exposure
Workshop by Mind Matrix (5hrs)	II									
Soft skill and Aptitude Training by IO seconds & Bizotich (30+30+20 hrs)		II, III	II, III	III						
IBM and Infosys Spring Board Certifications on Latest Core IT Technologies (20+20 hrs)				IV, V	V	V	V		V, VI	
Bridging Gaps between Company Expectations and Academic Learning - Invited Talk (5hrs)	IV									
Hackathons at BGSCET (30+30+30 hrs)									II - VII	
Technical Training activities by iBridge360 Edtech Pvt Ltd and RPA (Automation Anywhere) (30+30 hrs)									III - VI	
Future Skills Prime NASSCOM Certifications in Latest IT Technology (20+20 hrs)									II - VII	III - VI
Encouraging Students for Certification Niche skills / Courses (Cloud Computing/ AWS /Microsoft Azure /Oracle / SAP/ Data Science Tools /Cyber Security /Robotics/ Machine Learning Tools etc..) (20+20 hrs)								IV,V,VI	II - VII	III - VI
Project Based Learning through academic projects and Top notch Internships (60hrs)				III, V, VII, VIII	III, V, VII, VIII	III, V, VII, VIII	III, V, VII, VIII			III - VI
Tips and Talks for conducting Group Interactive sessions, Successful Counseling, Mentoring, Motivational & Moral boosting techniques for professionals and providing tips on how to crack an interview. (10hrs)					V, VI	V, VI				
Mock/Simulated Exercises/ Team Building Activities, Group Discussions, Mock Communication Skills Practice given by our eminent Alumni and Corporate. (10hrs)					V, VI	V, VI				
Deep Learning Concepts via Deep Coding and Design of Effective Algorithms and Flowcharts (40hrs)								IV,V,VI	II - VII	III - VI
Open Day / Project Expo. (10hrs)	VII, VIII									III - VI

Competency – Activity Matrix

IT Jobs

Semester (II, III, IV, V, VI, VII) Mapping



2

Activities

	Professional Orientation	Communication (Verbal / Written)	Analytical (Critical Thinking / Problem Solving / Quantitative Reasoning)	Technical (Digital Literacy / Technical Aptitude / IT Course Certifications)	Relationships (Teamwork and Collaborations / Global Fluency / Professionalism and Work Ethics)	Management/Leadership (Project Management / Leadership / Initiative)	Creative (Innovation and Creativity / Flexibility & Adaptability)	Courses on Latest Technologies
Workshop by Mind Matrix (5hrs)	II							
Soft skill and Aptitude Training by IO seconds & Bizotich (30+30+20 hrs)		II, III	II, III	III				
IBM and Infosys Spring Board Certifications on Latest Core IT Technologies (20+20 hrs)				IV, V	V	V	V	V, VI
Bridging Gaps between Company Expectations and Academic Learning - Invited Talk (5hrs)	IV							
Hackathons at BGSCET (30+30+30 hrs)								II - VII
Technical Training activities by iBridge360 Edtech Pvt Ltd and RPA (Automation Anywhere) (30+30 hrs)								III - VI
Future Skills Prime NASSCOM Certifications in Latest IT Technology (20+20 hrs)								II - VII
Encouraging Students for Certification Niche skills / Courses (Cloud Computing/ AWS /Microsoft Azure /Oracle / SAP/ Data Science Tools /Cyber Security /Robotics/ Machine Learning Tools etc..) (20+20 hrs)								II - VII
Project Based Learning through academic projects and Top notch Internships (60hrs)				III, V, VII, VIII	III, V, VII, VIII	III, V, VII, VIII	III, V, VII, VIII	
Tips and Talks for conducting Group Interactive sessions, Successful Counseling, Mentoring, Motivational & Moral boosting techniques for professionals and providing tips on how to crack an interview. (10hrs)					V, VI	V, VI		
Mock/Simulated Exercises/ Team Building Activities, Group Discussions, Mock Communication Skills Practice given by our eminent Alumni and Corporate. (10hrs)					V, VI	V, VI		
Deep Learning Concepts via Deep Coding and Design of Effective Algorithms and Flowcharts (40hrs)								II - VII
Open Day / Project Expo. (10hrs)	VII, VIII							

Competency – Activity Matrix

Pursue Higher Education India

Semester (II, III, IV, V, VI, VII) Mapping

Activities (370 hrs)

	Career Counseling	Student Profiling / Institute Shortlisting	GATE Coaching / Training	Online test / Mock Test	Preparations for admissions in IISc, IITs, NITs and Other Top Universities
Career counselling/career guidance for students (10hrs)	II				
MOUs with best Gate coaching centers		II			
Profiling and college short listing (20hrs)		III			
Identifying best colleges based on NIRF ranking (10hrs)		V			
Guided Learning in Traditional Learning Environments through Gate Coaching (100hrs)			III, IV, V		
Training to enhance communication skills & writing skills through Gate Coaching (100hrs)			III, IV, V		
Interactive Virtual Learning with Real Time Instructions through Gate Coaching (100hrs)			III, IV, V		
Test Series and Mock Tests (30hrs)				IV, VI, VIII	
Gate exam / PGCEET Exams					IV, VI, VIII

Competency – Activity Matrix

Pursue Higher Education Abroad

Semester (II, III, IV, V, VI, VII) Mapping

Activities (430 hrs)

	Professional Orientation	Student Profiling / University Shortlisting	Coaching / Training	Standardized Test Preparation	Application Guidance	Scholarship / Education Loan Assistance	Pre Departure Guidance
Career counselling/career guidance for students (30 hrs)	II						
MOUs with Overseas education consultants		II			VI	VI	
Invited Talk on “Overview of Different Courses and Top Universities” (20 hrs)		II					
Awareness Program on Overseas education from leading University consultants (20 hrs)	II						
Training to enhance communication skills & writing skills (100 hrs)			III, IV				
Training Programs for GRE, TOFEL, SAT, IELTS, ACT, SAT etc., through Consultants (200 hrs)			V, VI				
Standardized Test Preparation / Online Assessment for GRE, TOFEL, SAT, IELTS, ACT, SAT etc., (50 hrs)				VI, VII			
Identifying best B school based on QS ranking					VI	VI	
Visa counselling, Predeparture services and LOR (Letter of Recommendation) strategy (10 hrs)							VII, VIII

Competency – Activity Matrix

Competitive Exams

Semester (II, III, IV, V, VI, VII) Mapping

Activities (340 hrs)

	Professional Orientation / Career Counseling	Goal setting and Motivation	Coaching for UPSC / KPSC / CAT/GMAT/Defence Exam/CDSE.	Training on Problem solving & Quantitative Ability	Training on Time Management Skills	Scholarship / Education Loan Assistance	Test Series / Mock Test
Introductory Talk on Competitive Exams for IT stream (20 hrs)	II						
Orientation Program on CIVIL services (10 hrs)		III					
MOUs with best Coaching centers	II					VI	
Motivational talk from IAS- Harish Naik (DC, Bangalore South) (10 hrs)		III					
Workshop / Coaching on Civil Services (KPSC and UPSC)/CAT/GMAT/Defence Exam/CDSE. (100hrs)			IV, V, VI	IV, V, VI	IV, V, VI		VI, VII
Workshop / Coaching on Engg Service Examination/CEED/NIFT/Joint Admission Test for Masters (IIT JAM) (100hrs)			IV, V, VI	IV, V, VI	IV, V, VI		VI, VII
Workshop / Coaching on CLAT/LSAT/Banking Exams/MAT (100hrs)			V				VI, VII

Competency – Activity Matrix

Pursue Research

Semester (II, III, IV, V, VI, VII) Mapping

Activities (440hrs)

	Design & Planning of Research	Information Empowerment	Workshop and Training Material	Developing a Research Protocol	Collaboration with Public and Participants	Protocol Operationalization	Promoting Research by Selecting Journal	Search for Funding Agencies	Proposal writing skills	Converting Research into Patent
Implementing Research Activity for Students with information for the Center for Research Advancement. (10hrs)	II									
Identifying the research field and Conduct literature reviews of existing evidence. (20hrs)	II	II								
Explore new scientific questions and work on experimental design. (30hrs)	II			III, IV						
Identifying new/upcoming protocol work and initiate baseline information (30hrs)			III							
Identify new collaborators for research work from IISc and JNCASR labs. (50hrs)					II, III, IV					
Hold weekly journal clubs to review historical literatures. (30hrs)					III, IV					
Write/edit/read manuscripts for publication (100hrs)						V, VI				
Identifying and Communicating the manuscripts for the reputed International journals. (10hrs)							V, VI			
Search for funding opportunities. (10hrs)								VI		
Write new proposals for future funding (50hrs)									VI	
Connecting Research work to Patents through Intellectual property rights (100hrs)										VII



6

Competency – Activity Matrix

To become Entrepreneur

Semester (II, III, IV, V, VI, VII) Mapping

Activities (400hrs)

	Communication skills	Spotting Opportunities	Creativity	Envisioning	Marketing skills & Collaborative way of marketing	Valuing Ideas	Power Message	Ethical and Sustainable Thinking	Coping with Uncertainty, Ambiguity & Risk	Mobilizing Resources & Financial / Economic Literacy
Soft skill and Aptitude Training by IO seconds & Bizotich (30+30+20 hrs)	II, III									
Motivating and Guiding young mind for launching own business ideas and startup. (10hrs)		II								
Ideathon (50hrs)			II							
Jar of ideas, Young Idea Space (50hrs)			III	III		III				
Find and Understand the Market (80hrs)				III, IV						
Work shop on Entrepreneurship Awareness Program with leading Industries (30hrs)		IV								
Master Class on Marketing / Certification Courses (10Hrs)					IV, V					
Awareness on Risk Mitigation and RCA (10hrs)							VI	VI	VI	
Design Your Business and Idea (30hrs)						V, VI				
Funding Opportunities with Investors (50hrs)										VII

Next UP for 2nd Semester

- ❖ BGSCET-INITIATIVES REALIZING STUDENTS' DREAMS will be presented to
 - Students
 - Parents and
 - All faculty members of BGSCET

Collect the feedback

- ❖ Launching the Activities with Team leaders, students and parents
- ❖ Carry out MoUs with different vendors
- ❖ Prepare Schedule/Time Table for the Activities under each Dream for the upcoming semester
- ❖ At the end of the semester individual evaluation of students to be carried out



THANK YOU

**LET's Work TOGETHER on Achieving
BGSCET - INITIATIVES
REALIZING STUDENTS' DREAMS**