



WELCOME

31st IQAC Regular Meeting

Friday, 29th Sept. 2023

Agenda

A) Action taken report on the proposals of 30th IQAC meeting

- 1) Attention on improving **Granting of Patents** in proportion to publications.
- 2) Implementation of **Academic Bank of Credits**.

B) Issues open for discussion

- 1) **Impact of Academic Audit** on expected outcomes, do the departments really achieving what they are expecting.
- 2) Creating & maintaining **student's tempo** required for subsequent years, from the 1st year.
- 3) Any other item with the permission of Chairperson.

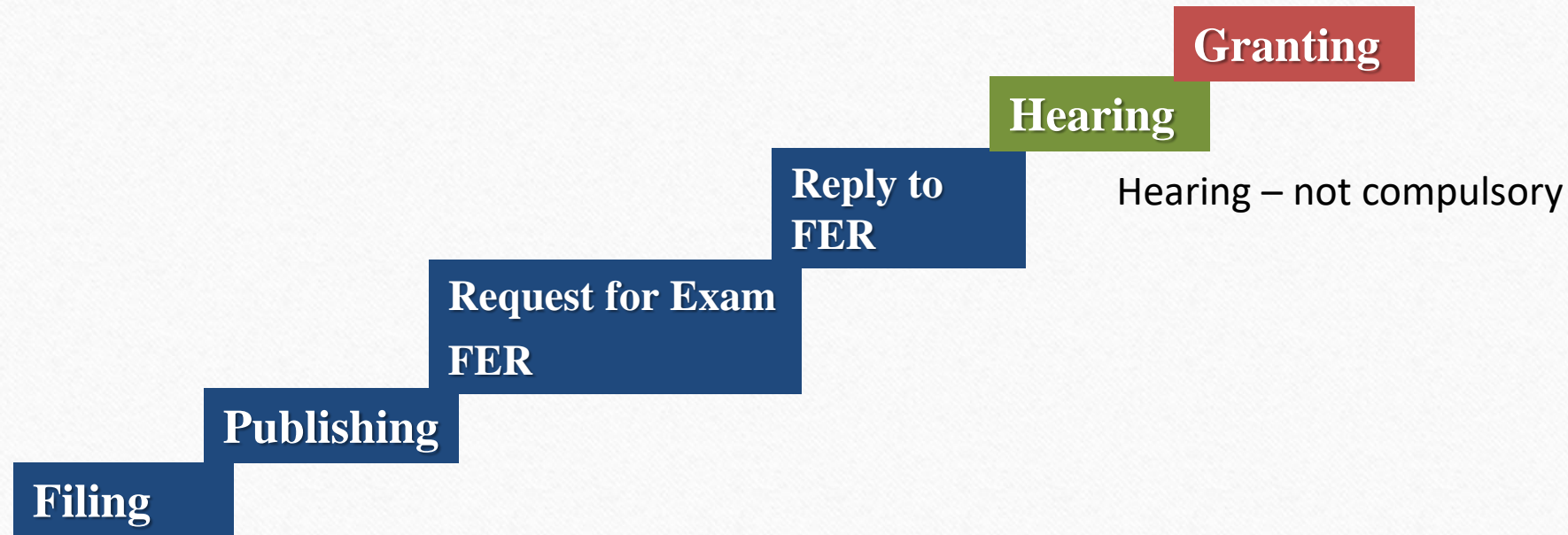
A) Action taken report on the proposals of 30th IQAC meeting

- 1) Attention on improving **Granting of Patents** in proportion to publishing.**
- 2) Implementation of **Academic Bank of Credits**.**

A) Action taken report on the proposals of 30th IQAC meeting

1) Attention on improving 'Granting of Patents' then commercialization

INDIAN UTILITY PATENTS



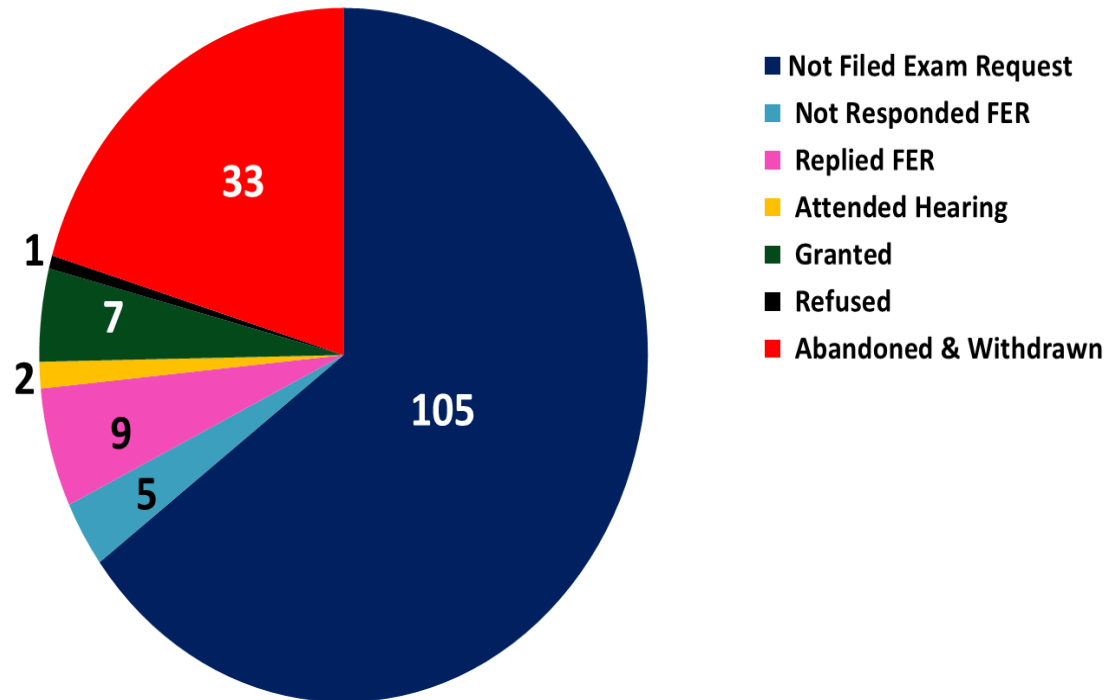
Note: Only Utility patents are considered for analysis.

Note: NIRF is not considering Design Patents & Copy rights

A) Action taken report on the proposals of 30th IQAC meeting

1) Attention on improving 'Granting of Patents' then commercialization

Status of Utility Indian Patents



- Most contributed depts are CSE & IT
- No granting of patents in ME & EEE Depts in Engineering; MBA, MCA, Maths, Physics, Chemistry & English depts in non-engineering.
- **Granted: Published = 7 : 162 => 1:23 or % of granting = 4%**
- No patent was commercialized so far.
- Weightage in NIRF:
Published : Granting = 25:75

Total Utility patents: 162

A) Action taken report on the proposals of 30th IQAC meeting

1) Attention on improving 'Granting of Patents' then commercialization

Inspection of HoDs in their departments and their reasons for not Granting of patents.

- Some of the faculty having published Patents, left the Institution.
- Quality of the work is the reason for not facing FER & granting.
- Several Patents are abandoned, as their time lapsed
- Outside Institutions faculty are acting as first & second claimants in some Patents, not cooperating to proceed for further steps towards Granting.
- Consultants are not responding.
- To fulfil the PBAS requirement.
- Little interest in several faculty to follow up after publication for their FER.

A) Action taken report on the proposals of 30th IQAC meeting

1) Attention on improving 'Granting of Patents' then commercialization

IQAC Recommendations

- Case to case review at dept level under the guidance of HoD at regular intervals.
- Filing more patents by our faculty as first claimant.
- Appointing patent expert / advisor for guidance till the Granting / Commercialization.
- Directed the Heads to pursue challenges faced by claimants, for improvement.
- Monitoring of patents in depts. in every quarter.

A) Action taken report on the proposals of 30th IQAC meeting

1) Attention on improving 'Granting of Patents' then commercialization

Conclusions

- In 2014 we initiated from patent publication, it is great in 2014, but not in 2023
- It is the time to focus on Granting and Commercialization, besides addressing existing challenges
- Departments are requested to think big and focus on Granting & Commercialization.
- First Commercialization – is always first & great honour. The faculty & The Head of the Department will be duly honoured at suitable platform, in addition to existing support to the faculty.

A) Action taken report on the proposals of 30th IQAC meeting

2) Academic Bank of Credits – implementation

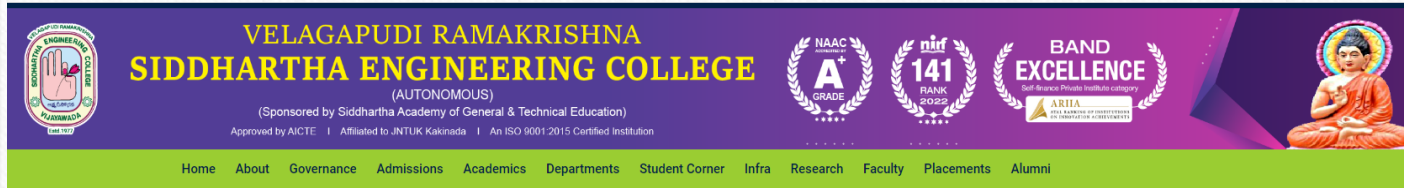
APSCHE - Call for Action to HEIs and Timelines

Registered students as on 20th
– 5086

- ✓ Registration on ABC (www.abc.gov.in) done
- Formation of ABC Cell in HEI done
- Appoint ABC ‘Nodal Officer’ and share his Phone Number & Official email on institution’s website.....done
- Create a hyperlink of www.abc.gov.in on your institution’s website.....
- Conduct of awareness programs to students and creating ABC ID for all Students for 2nd & 3rd Year students (5086 as on 20th Sept.2023). Be an ongoing event for new batches of students....done
- Conduct of awareness programs to admitted students and creating ABC ID for alldone
- Upload the mark sheets records with ABC ID for all the students who have appeared for the exams since 2021....30th Sept. 2023 Not yet done....templates are being changed

A) Action taken report on the proposals of 30th IQAC meeting

2) Academic Bank of Credits – implementation



Academic Bank of Credits (ABC)

The University Grants Commission with the concurrence of Ministry of Education had notified "The University Grants Commission (Establishment and Operation of Academic Bank of Credits in Higher Education) Regulations, 2021" in the Gazette of India on 28 th July, 2021. The Academic Bank of Credits (ABC) platform has been developed by the National e- Governance Division (NeGD) of Ministry of Electronics and Information Technology (MeitY) under DigiLocker framework. Academic Bank of Credits (ABC) will digitally store the academic credits earned by students from higher education institutions registered with ABC, for awarding degree/Diploma /Certificates taking into account credits earned by students.

Feature of ABC

The following features will be available for the students in the ABC application:

1. Registration for a unique ABC ID (which can be shared between Academic Institutions for any course)
2. Viewing of total credit accumulated under one window
3. Selection of multiple credits of convenience for transfer or redemption
4. Viewing of the Transfer request status
5. Reinitiating credit transfer at their conveyance.

Benefits of ABC

1. Increases the student's freedom in choosing their courses and academics.

collaboration with TCS and IBM || Notice regarding "Siddhartha Scholar Scholarship" for students of Andhra Pradesh studying I year (2019-20) in National Institutes || [Alumni Reunion 2019 Photos Gallery](#)

For successful implementation and to enhance the reach of the ABC programme in the V R Siddhartha Engineering College, Vijayawada, following college personnel are assigned with the following capacity.

NAME	CAPACITY	CONTACT DETAIL
Dr.T.S.R. Chowdary	Nodal Officer	abc@vrsiddhartha.ac.in
Dr. K Hemalatha	Member	
Sri M. Ramesh	Member	
Sri P Kishore	Member	
Sri P V V Murali Babu	Member	

Important Links

- [Go to ABC portal](#)
- [Go to DigiLocker](#)
- [User Manual: Student Registration and Credit Transfer under ABC](#)
- [Click here to Know How to create ABC ID through Mobile](#)

How to create ABC ID : <https://www.youtube.com/watch?v=Gw3DUHaJg1c>

Quick Links

- > [Mandatory Disclosure](#)
- > [Faculty](#)
- > [VRSEC LMS](#)
- > [Central Library](#)
- > [Student Satisfactory Survey](#)

Quick Info

- > [Web Mail](#)
- > [AICTE Margdarshan Scheme](#)
- > [ISTE](#)
- > [IQAC](#)
- > [NIRF](#)

Important Links

- > [Contact](#)
- > [Academic Bank of Credits \(ABC\)](#)
- > [Stakeholders Feedback](#)
- > [Institutional Best Practices](#)
- > [Institutional Distinctiveness](#)

B) Issues open for discussion

- 1) Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.**
- 2) Creating & maintaining student's tempo required for subsequent years, from the 1st year.**
- 3) Any other item with the permission of Chairperson.**

1) Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.

- AA is the reflection of NBA, NAAC & NIRF Ranking
- It is the key for the excellence of departments, Institution as well.

- Institution is looking for comprehensive development of depts, besides R&D
- The AA pro-forma is made available covering all parameters for comprehensive development of departments
- Audit is not just filling the columns where the department has information and leaving the others / filling with some standard words like Nil, Yes, No, etc.
- If it is done sincerely, it guides the Dept. & provides solutions to several challenges, such as where the department is lagging / moving forward / needs focus ...for improvements
- The leadership of the dept must be very clear about ... in which direction the dept wants to excel.

B) Issues open for discussion

- 1) **Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.**

Academic Audit format

I. POs, PSOs and Curriculum		
S.No.	Criteria	O
1	POs & PSOs attainment along with sample calculation sheet	O B S E R V A T I O N S
2	Stakeholders feedback collected, analyzed & action taken related to curriculum design (with evidences)	
3	Extent of stakeholders satisfaction with curriculum revision	
4	-New courses introduced -Courses upgraded with more than 25% of course content	
5	Lab component - New labs added - No. of new experiments introduced - New Hardware / Software developed	
6	No & % age of courses focusing on employability/ entrepreneurship/ skill development.	
7	No of students undertaken - full time field projects: - full time internships:	

II. Faculty information and their contribution		
S.No	Criterion	O
2	Faculty qualifications: Percentage of existing faculty with PhD Faculty awarded with PhD: Faculty submitted their PhD: Faculty pursuing PhD: Faculty registered for PhD:	O B S E R V A T I O N S
5	Faculty with Post-Doctoral Fellowship or Pursuing it:	
6	Faculty guiding /guided PhDs:	
7	Percentage of faculty contributing in ... Research publications/ books/ book chapters:	
8	e-Content development / Lectures added to Web-resources	
9	Faculty <i>contribution</i> in professional organizations/ Reviewer / Editorial boards: (<i>not mere memberships</i>)	
10	Academic Awards/ Rewards received:	
11	Faculty contribution in Industry / Institute collaborative projects	
12	Faculty trained in Industry	
13	Faculty contribution in obtaining internships/ Placements/ MoUs	
14	Faculty as resource persons in webinars/ workshops / key note speaker / training activities	

B) Issues open for discussion

1) **Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.**

Academic Audit format

III. Teaching-Learning Process and Evaluation			O B S E R V A T I O N S	11	Student Publications (other than IV.1) -UG: -PG:	O B S E R V A T I O N S
S. No.	Criteria					
1.	Student performance indices: ➤ Measures to reduce detentions: - Attendance / Exams: ➤ Measures to involve them beyond routine T-L process:			13	Student enrolment in CBCS and Minor /Honor programs	
2.	Mechanism and activities for slowlearners: Outcome:			14	EPICS Projects: Broadcasting in Media Channels.... National Awards:	
3.	Mechanism and activities for Fast learners to excel: Outcome:			18	MoUs with Industries for Research / Consultancy/ internship / placements, etc.	
4.	Bridge courses: Value added courses:			21	Scope for Self-learning: -Certificate courses-Online courses	
5.	Quality circles and Practice: Outcome:					
7.	Initiatives taken for innovative EPICS, mini and major projects -Training for students & faculty on EPICS					
8.	Best student projects - awards:					
9.	Student Model developments: Awards:					
10.	Other Student Innovation details: Awards:					

B) Issues open for discussion

- 1) **Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.**

Academic Audit format

IV. Research, Consultancy and Extension		
S. No	Criteria	Observations
1.	Faculty publications in journals / Conferences: Scopus indexed: SCI / SCIE (Not ESCI): h-index: Dept & Highest in the faculty.	
5.	Government: Funded R&D projects	Applied:....., Total Amount:..... Sanctioned..... Total Amount.....
6.	Non- Government: Funded R&D projects / Industry sponsored projects	Applied:....., Total Amount:..... Sanctioned.....Total Amount.....

7.	Faculty involved in Consultancy & amount earned	
8.	Faculty intellectual property rights / Patents (Utility):	Filed:..... Published....., Granted.....
13	Skill development centers established: outcome:	
14	Incubation centers: - Established with outside Industries : -Status of incubation:	
15	Start-ups & Entrepreneurships: No of Start-ups & status: Awards from outside platforms:	

B) Issues open for discussion

1) Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.

VI. Student information, Support and Progression		
S. No	Criteria	OBSERVATIONS
1.	Industrial visits	O B S E R V A T I O N S
2.	Full time Internships	
3.	Dept. student clubs: Activities:	
4.	Details of coaching provided in GATE/ GRE/ etc.	
5.	Students qualified in -GATE -GRE/etc.	
6.	Students admitted for Higher studies (No & %):	
7.	Total Placements (No & %) in the Dept: 3 - 4 Lakhs (No.) 4 Lakhs above (No.): 5 Lakhs above (No.): Highest salary (No.): Median salary:	
8.	Student prizes: State/ National Level Academic Awards...Sports.....NSS/NCC.....Cultural.....	
9.	Student Scholarships:	

VII. Governance, Leadership and Management		
S. No	Criteria	OBSERVATIONS
1.	Setting of annual goals by individual faculty for their academic improvement.	O B S E R V A T I O N S
2.	Activity calendar for every faculty & Leadership	
3.	Setting of departmental annual goals by HOD for the improvement of dept.	
4.	Teaching staff attended for skill development/ Industry training/ any professional development programs	
5.	Non-teaching staff attended for skill development programs	
6.	Financial support received from the Management: Seed Grant for faculty: Incentives for Sponsored projects & paper publications: Attending FDPs/ Seminars/ etc & overseas seminars: Interaction with R & D personnel: Others:	
7.	Financial support received from the Management: Student Projects: Model developments & their exhibition: Student Innovations & their exhibition:	

B) Issues open for discussion

1) Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.

Academic Audit Report (Consolidated)

1. Name of Department:.....A.Year.....
2. No. of full time permanent faculty:
3. No. of Visiting/Adjunct faculty: /

4. No. of PG / UG courses:...../.....
5. Curriculum Revisions Information: UG & PG.....
6. Major changes.....
New courses...Modified courses (min 20-25% change)...
Employable courses.....
6. Research: Ph.D. Theses submitted: awarded:.....
Faculty guiding / guided Ph.Ds:...../.....
Publications in Jrs: SCI/SCIE... ..Scopus..... Total.....
Publications in Conferences: SCI/SCIE...
.....Scopus.....Total.....
Student Publications
-UG: SCI/SCIE:..
.....Scopus:.....WoS:.....Others:.....Total.....
-PG:
SCI/SCIE:.....Scopus:.....WoS:.....Others:.....Total...
Dept H-index (Scopus data base):.....
Highest H-Index of Faculty:.....
Publications: Q1..., Q2..., Q3..., Q4.....Total.....
7. Sponsored projects: Amount:....
Sanctioned:.....Ongoing....,
8. Consultancy Amount earned:.....
9. Start-ups Awards from outside platforms:....
10. Entrepreneurship: No.....
11. Incubation centers: established.....,
Status of incubation:.....
7. Utility Patents:
Filled:..Published:....Granted:...Commercialized.....

B) Issues open for discussion

1) Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.

12. **Innovations:**, Awards from outside platforms (reputed Institutions only) :.....
13. **Books / Book chapters** (with ISBN/ISSN only are considered):.....
14. **e-Content developed:** Lectures added to Web-resources:
15. **Placements:** No:....., Percentage:....., Median salary:....., Highest salary:.....
16. **Higher Education:** GATE No....., GRE No....., Others (specify):.... %:.....,
17. **New Equipment and Infrastructure** added:(Name & amount)
18. **Student feedback** on Curriculum, infrastructure and facilities: Yes or No
19. **Strengths:** (mandatory field to fill)
 - (1)
 - (2)
20. **Weaknesses** (mandatory field to fill) :
 - (1)
 - (2)
21. **Suggestions for improvement** (mandatory field to fill):
 - (1)
 - (2)
22. **Document addressing weaknesses and suggestions of previous academic year for improvement.**
Enclosed: **Yes / No.** If 'yes' enclose an appropriate evidence. If "No" furnish proper explanation.

.....
Dept. IQAC In-charge

.....
External Academic Auditor

.....
Head of the Dept.

.....
IQAC Coordinator.....

B) Issues open for discussion

1) **Impact of Academic Audit** on expected outcomes.

Guidelines stipulated by IQAC for Constructive outcomes from the Academic Audit

Pre/ during auditing

1.Appointment of auditor ...preferably from the Institutes of repute

(IITs/NITs) ... max tenure: 2 years

2.Brief overview about the purpose of Audit to the External auditor

by HoD & the Dept. Coordinator.

3. It is a **full-day** Audit.

4. Insist the auditor for thorough **verification of all the parameters** listed in the pro-forma.

5. The Auditor has to write the **weaknesses/ lapses** in the black & white, along with **general Suggestions**.

6. There should be an **exit-meeting with the Auditor, HOD & all senior faculties** at the end of the audit..... Where, the strengths & weaknesses in particular, are to be discussed by comparing with previous audit report. Recording the minutes of the discussions.

Post auditing

1. Another **meeting with all the faculty** in the department, to discuss constructive mechanism (Action Taken Report) to address the weaknesses & recording of minutes.

2.**Review of the progress at every quarter** to observe the rate of achievement in identified lapses (where growth charts, comparison of results with previous years, etc... may be used).

3.**Proper documentation** along with Action Taken for the weaknesses identified in previous audit is made available with relevant evidences.

1) Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.

- Needs focus on Academic Audit throughout the year, not just at the time of audit
- HoDs should spend time with auditor full day without leaving it to the Dept. coordinator
- Check whether the previously identified weaknesses are properly addressed for expected outcomes
- Audit is not just filling the columns where the department has information and leaving the others / filling with some standard words like Nil, Yes, No, etc.
- Institution is looking for comprehensive development of depts, besides R&D
- The leadership of the dept must be very clear about ... in which direction the dept wants to excel.
- Take the AA as an opportunity to know their best practices to implement here.

B) Issues open for discussion

Creating & maintaining student's tempo from the 1st year, required for subsequent years.

A) Prepare and maintain:

1. Diverting them towards Active learning (Activities beyond routine teaching-Learning process)...

Make the students know about

- | | |
|---|--------------------------------------|
| ➤ Innovations | Hackathons |
| ➤ Product development | Participation in Start-up activities |
| ➤ Exhibition on National level platforms | Entrepreneurship |
| ➤ Participation/paper presentations in WS/Seminars in IITs/NITs | Patents publications, etc. |
| ➤ Certification...NPTEL; | |

2. Programs to create awareness about the above activities in the first year

B) Issues open for discussion

Creating & maintaining student's tempo from the 1st year, required for subsequent years.

A) Prepare and maintain:

- 3. Goal setting (Primary level) for 2nd, 3rd & 4th years in the 1st year itself**

- 4. Setting goals for 2nd year.....Minors / Honours programs; Topic selection – for EPICS & Mini project, full time Internships, Model Developments, Hackathons, Exhibitions on IITs/ NITs platforms, Innovation-Incubation-Start-ups, financial supports, Entrepreneurship**
- 5. Setting goals for Third Year → Strengthening goals....Enhancement of student Profile for better placement; Participations in Hackathons; Industry projects; attending conferences, presenting & publishing papers in Scopus supported Conferences; Students Awards & rewards, etc**
- 6. Fourth Year → Achieving goals... openings for better career; full time internship, enhancement of Profile for placements / Higher Education (GATE/GRE), Major Project & Publications.**

B) Issues open for discussion

Creating & maintaining student's tempo from the 1st year, required for subsequent years.

B) Action Plan:

- 1. Appointing Coordinator** from each respective department
- 2. Allotting one hour weekly in time-table...** About activities / motivation & encouragement through their seniors achievements / benefits to students due to above activities; which are beyond routine teaching learning
- 3. Organizing programs and brain storming sessions once in a month** on Innovations/ II Counsel activities/ Paper Publications / patents from projects; Start-ups, Commercialization & Entrepreneurship, by suitable faculty / outside experts
- 4. Link to Proctor system**
- 5. Identifying students from 1st year**, guiding them accordingly at primary level...
- 6. Quarterly monitoring** by HoDs & Coordinators and Record.

Any other item with the permission of
Chairman

THANK YOU