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Shaping Lives...
Empowering Communities...

Centurion University of Technology & Management Odisha

IQAC Meeting

Date: 20th September 2014

Venue: CIT Campus

Time: 10am

List of Members present

1. Prof D Nageswara Rao, Vice Chancellor, Chairman IQAC
2. Prof. Mukti Kant Mishra, President, CUTM
3. Prof. D. N. Rao, Vice President, CUTM
4. Prof. Supriya Pattanayak, Board Member, CUTM
5. Prof. Ashok Mishra, Registrar
6. Prof. A.M. Mohanty, Pro Vice Chancellor
7. Prof. M. L. Narasimah, Dean, Academic
8. Prof. Kalyan Banerjee, Pro Vice Chancellor(Learning)
9. Prof. Haribandhu Panda, Pro Vice Chancellor(SoM)
10. Prof. Jagannath Padhi, Director, CIT
11. Prof. Chandrabhanu Pattanayak, Director, Institute of Knowledge Society, CUTM
12. Prof. Sibakripa Bose, Chief Mentor
13. Prof. Smita Mishra Panda, Director-Research
14. Prof. Ramakant Panigrahi, Dean, Academic, CIT campus
15. Prof. Anita Patra, Dean, SoET, JITM campus
16. Brig. H. K. Sahoo, Director, Director, QA cell
17. Prof. P.S.V. Ramana Rao-IQAC Coordinator, Campus 1
18. Prof. Prasanta Ku. Mohanty, Dean, SoM and IQAC Coordinator, Campus 2
19. Prof. S. P Nanda, Associate Dean, SoET, JITM Campus
20. Prof. Bijay Jena, Dean, (SoAS)
21. Mr. Prashant Sankaran, Industry Expert
22. Mr. Shovon Chakraborty, Placements Cell

Agenda

1. Training and Placements
2. Faculty Development Programme
3. Integration of Skill into Curriculum
4. Centre of Excellence



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5. Aligning Organisational Culture at Workplace
6. IT Integration into University Governance
7. Aligning Assessments to Employability & Skill Building Goal: QA cell assessments and alignment with Industry
8. Quality Assurance of CUTM
9. Any other

Minutes of Meeting

The meeting of IQAC Cell, Centurion University was held and the following resolutions were taken by the Board;

A. Placement (Shovon Chakraborty, Chandra Bhushan Kumar, Kalyan K Banerjee and P K Mohanty)

1. The challenge is to maintain momentum of training for students till the end of placement season, considering the fact that more than 70% jobs come after January.
2. Further to the training to enhance quantitative, communication and analytical abilities, students will be trained on basic concepts in academic domain, possibly through refresher courses. Additionally, students will be given company wise input for better performance during interview, by the faculty of concerned Departments. Companywise training material will be prepared by the faculty.
3. Internship will be job oriented. Accordingly, small and medium sized owner-driven companies (where decision for placement is taken by owners) will be selected for internship.
4. Efforts will be taken to fully utilize the services offered by placement support agencies (CoCube, NICCO, etc.) by organizing mock tests in off-time when infrastructure is available.
5. To keep the faculty within the loop, Placement Committee will regularly and actively interact with faculty placement mentors of each Department.
6. Special effort will be taken to make the students understand about the importance of speed and accuracy in the examination (timing) and the need for actively participating in the placement training activities for “Core Engineering Sector” jobs.

B. Implementation of Training (Ramakanta Panigrahi and Anita Patra)

1. During last few months Mission 200 students have been trained and assessed (written tests and interviews) in aptitude, communication, CV writing and domain knowledge.
2. Compared to last year, students’ average performance for this year has improved (by 10 points), but not enough to cross the threshold barrier. Weak mathematics foundation is the key reason. Individualized feedback will be given to students by the faculty.
3. To enhance skill in English language communication, library will be stuffed with simple English books, cultural and other informal activities will be taken up.
4. Students will be counselled to try for GRE, jobs through UPSC/PSC and other government jobs.



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C. Faculty Development Program (Haribandhu Panda, M L Narasimah and Sibakripa Bose)

1. Faculty development will be undertaken for enhancing domain knowledge, teaching-learning skill, and ability to create a vision community (in line with the vision of the University). Each faculty will be trained for about 15 days/year.
2. Standard module for new-faculty induction program in the University is in place and one such program has been organized at the Bhubaneswar campus.
3. New Age teaching program involving 30 faculty members has gone through two phases (June 4-12 at PKD and September 6, 2014 at BBSR) and the third phase will be held on 22nd November 2014 at PKD. Decision will be taken after the third phase about the future scope of this program with respect to scaling up in depth (topics to be covered and duration) and width (number of faculty to be exposed).
4. Since August 2014, eight batches (4 each from PKD and BBSR) of faculty have been trained for a day in basic mentoring.
5. Faculty will be trained on mission, vision and value system of the University, gender issues, communication, research proposal writing, self-learning and enabling-culture building.
6. Resource person, sharing Centurion's value system, will be chosen for the faculty development.
7. A system of self-assessment, developing personal plan of action, continuous feedback and self-learning will be in place.
8. The FDP secretariat will be at Paralakhemundi. The FDP plan will be prepared by 30th September 2014. FDP will be spearheaded by Haribandhu Panda and M L Narasimham with active support from Sibakripa Bose and Kalyan Banerjee.
9. Capacity development for Administrative personnel of the University will be planned and executed by the Faculty Development Team.

D. Integrating Skill into Existing Academic Programs (Ramakanta Panigrahi and Anita Patra)

1. List of Skill courses will be finalized by a Committee of faculty members, Chaired by Prof. J Padhi. The Committee will also specify the name, code, credit load, objective, outcome, content, evaluation pattern (including process of external assessment), cost to the student, industry partner, training requirement for the faculty, resource (lab, consumable, etc.) requirement and faculty to offer.
2. The key criterion to be considered for identifying Skill Course is its ability to enhance employability. Accordingly, the course must lead to development of a particular skill that is identified by a Sector Skill Council with possibility of Certification. The courses that are included in the core and conventional category are not be included as Skill Courses.
3. A professional from GTET will provide planning and coordination support for all skill courses.
4. The Dean of the School of Vocational Education and Training will be placed in Bhubaneswar campus.



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E. Integrating Skill into New Curriculum (Prof. D. Nageswar Rao and Ashok Misra)

1. For awarding B. Tech, credit load has been reduced to 180 (25% Core and 75% Electives). It will include 5 baskets covering Basic Science (10%), Management (10%), Basic Engineering (10%), Domain (25%) and Sub-domain (45%).
2. Each course will be designed considering the outcome of employability, higher education and entrepreneurship. Department will counsel its students to choose a career option.
3. Any course requiring abstract thinking will be covered in theoretical mode. Effort will be made to get rid of the distinction between lab and class room teaching (lab and class room will be conceptually merged).
4. Departments will specify the pre-requisites, project/field/lab work, industry collaboration, assessment method, infrastructure requirement, faculty and other resource requirement for each course. The aim will be teach engineering in craft mode.

F. Centre of Excellence: Department of Mechanical Engineering (A M Mohanty and P S Rao)

1. The objective is to strengthen Design, Manufacturing and Thermal Areas through establishment of the state of the art technical facilities, faculty development and academia-industry linkage.
2. Two new professors will be recruited and existing faculty will be trained.
3. Department will publish at least 4 papers/year in international refereed journals.
4. Research facilities will be developed in the areas of alternate fuels, solar energy and welding.
5. Research support from UGC and UNDP will be sought in the form of projects.

G. Centre of Excellence: School of Agriculture Science (M.Venku Naidu, B.K.Jena & S.P.Nanda)

1. The School has identified thrust areas of work based on 12th Plan. These include Sustainable agriculture, Technology and Meteorology in agriculture, Women in agriculture, Indigenous knowledge system in agriculture, Sloping land agriculture, Insurance and Credit in agriculture, Role of ICT in agriculture, Agriculture extension models, Horticulture, Cereal and Millet production.
2. The action plan for the Centre of Excellence will include development of model village, KVK, Farm Machineries, Curriculum, Pedagogy, workshop, seminars and publications.
3. To start with the School will publish a compendium of traditional agriculture implements used in the region. It will collect and display seeds and germ plasms available.
4. The School will work in collaboration with NGOs, farmers, industry and field.

H. VMG Dissemination Process (Mukti Kanta Mishra and D N Rao)

1. Centurion University would like to be known as the pioneer in skill integration with higher education. It will work for shaping individual through employability, higher education and entrepreneurship; and empowering communities by undertaking context specific research, consulting and training.



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2. The mission and vision of the University will be continuously and regularly communicated by the President, Vice President and Vice Chancellor both within (admission to placement) and outside (external stakeholders) the institution. Resource will not be a constraint for pursuing the chosen mission and vision.
3. Process level intervention will be made till the faculty and support staff internalize the mission, vision and value system of the organization and break away from the existing vicious cycle (Few and weak students-Professionally weak graduates-Poor placement-Weak demand for enrollment from potentially good students) to virtuous cycle (High quality, context specific and outcome based input to students-Professionally strong graduates-Better employment and employability-High demand for enrollment from potentially good students).

I. Aligning Organisational Culture at Workplace (Chandrabhanu Patnaik, Supriya Patnaik & Kashinath Sahu)

1. Culture is a manifestation of intention. Intention is articulated through visible action and also visible inaction. Undesired behaviour will be nipped at the bud. Desired behaviour must be exhibited all the time and every time.
2. Student centric behaviour with mutual respect, Teaching, Punctuality, Discipline and taking ownership of the university is paramount.
3. Communication and Email etiquette of greetings, acknowledging, not gossiping, not bad-mouthing, getting away from the 'Office Order' and 'Master's Language' mode will be adhered to.
4. Pro-active gender sensitive behaviour to be exhibited by all.
5. Guidelines of "Don't", "Do" and "Desirable" in the University will be developed and disseminated to the Centurion Community through website, workshops and communication materials, till a structured policy is in place.

J. IT Integration into University Governance (Ashok Misra, Kashinath Sahu & Brig.H.K.Sahu)

1. About 905 of process transaction in the University is presently undertaken through ERP. There are few bottlenecks in Library module (acquisition process, fine collection, etc.) and other modules. Specific irritants should not deter the users in accepting the ERP system, since the policy of the university is to intensively use it for the comprehensive governance and management of Centurion University. It requires a cultural change in the mind of all concerned and senior management must own and drive.
2. Wherever necessary, Computer Science Department will help in developing required applications through student/faculty projects.

K. Aligning Assessments to Employability & Skill Building Goal: QA cell assessments and alignment with Industry (Brig. H. K. Sahu and S. S. Nayak)



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1. Expected learning outcome for graduates are knowledge in science, mathematics and engineering, problem solving ability and capacity to design and analyse systems.
2. Industry perception of employability in 2014, in order of importance include Integrity and value (30%), Result orientation (21%), Domain knowledge (14%), Attitude (12%), Cultural fitness (10%), Team work (7%) and English communication (6%).
3. QA Cell sets the difficulty level of questions such that average student can answer 60% questions. There are few GATE level questions.
4. It is suggested to have a separate section in the final examination with 20% weightage for application oriented question from field and lab in the form of case study. Similarly, external evaluator to be involved in lab performance evaluation (50% weightage). Students will be informed in advance before the policy change is implemented.
5. It has been consistently observed that in percentage term, the average internal mark (e.g. 62% for 1st Semester 2013) is nearly double that of average external mark (31% for 1st Semester 2013) and both have declined over the years (in absolute and percentage terms).

L. Quality Assurance of CUTM (Prof. Nageswar Rao and Ashok Mishra)

1. University with Potential for Excellence (UPE) application to UGC has been sent on 11th September 2014. The revised DSIR application, incorporating the comments received will be sent on 25th September 2014. NAAC LOI was received on 31st July 2014 and the Self-Assessment Report (SSR) will be uploaded on 1st December 2014.
2. To obtain highest possible grade from NAAC, the Registrar and his Team will work in mission mode. Necessary support for getting the input for sections such as “Research and Consultancy”, “Environment Aspects”, etc. will be collected in Workshop mode within the due date.

M. Back to the Future: Building job-readiness in CUTM for the future (Kalyan Banerjee)

1. Focus from 1st year for creating job opportunity and making students ready for the job.
2. Try unusual models such as finishing schools, Accelerated learning experience, Internship, Certification, Internal projects, Education at employer location, Preparing for government job, New-age teaching, Redefining curriculum (context specific curriculum such as Time and Course flexible academic curriculum, Math foundation for engineers, English foundation for professionals), Outcome-based progress metrics, Showcasing what we do, Skill training (not engineering education), not treating Students as Commodity, Branding (Blog in Blog out), Cultural activities in the hostel, etc.
3. Facilities and services (innovations) to be provided
 - Whoever interested can learn (not to be worried, even if can't be provided for all)
 - Start at any time for any number of students
4. Every student must be good at something (Foster parent to discover and nurture the intrinsic potential of the student, help build his/her CV and continue for at least 3 years for the same



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- person)
5. Based on Basic Instinct (Programming, Machine, Gadget, etc.), Faculty Champion to lead to participate in competition.

The meeting was adjourned with thanks to all the members present in meeting.

