

### ਖ਼ਾਲਸਾ ਕਾਲਜ ਅੰਮ੍ਰਿਤਸਰ balsa Colloga Amritsa

Khalsa College Amritsar

An Autonomous College affiliated to G.N.D.U., Amritsa UGC Letter No. F.22-1/2013 (AC) Dt. 22-05-2013 ☎ (O) : +91-183-2258097 : +91-183-5015511 Fax : +91-183-2255619 Pin :143002 (Pb.) India

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A HERITAGE INSTITUTION AND COLLEGE WITH POTENTIAL FOR EXCELLENCE - Status conferred by UGC \*
NAAC REACCREDITED "A" GRADE (CGPA) \* STAR STATUS CONFERRED BY DBT, NEW DELHI \* AN ISO CERTIFIED COLLEGE \*

### Criterion: 6.2.1

# STRATEGIC / PERPECTIVE PLAN: 2018-2023

Khalsa College Amritsar has focused on the following five thrust areas as a part of its Strategic/Perspective plan from July 2018. These include

- Curriculum Development
- ➢ E-governance
- > Up gradation of Class Room, Library and Physical Infrastructure
- Research Development/Industrial and Research collaborations
- Resource Management
- Waste management and Recycling



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#### **CURRICULAM DEVELOPMENT**

Khalsa College Amritsar, in line with its mission of providing progressive/transformative and holistic education, is in a constant pursuit of developing/reshaping its course curriculum across all programmes. The aim is to include employability, innovation, a pursuit of higher knowledge and developing professional competence to transform students into more prepared, learned and rational individuals who are ready to take on any challenge posted to them.

The following road map has been devised to achieve academic brilliance through necessary modifications in course curriculum

- 1. All departments through their respective heads will constitute a subject wise committee who will thoroughly investigate the required changes in the syllabus in tune with the requisites of industry and academia. The modified syllabus will then be presented in BOS meeting for further approval.
- 2. To give field training to the students, different compulsory field-based training programmes will be incorporated at the undergraduate levels in the faculty of Agriculture.
- 3. Summer Internship programmes will be incorporated for undergraduate final year and post graduate first year students enrolled under the faculty of sciences.
- 4. Research projects will be introduced for second year master's degree students for the faculties of Agriculture, Sciences, Arts and Commerce. Students will be required to present their research work in the form a project and the dissertation will be defended through an open viva presentation.
- 5. Efforts will be channelized for the introduction of Vocational courses in the college, in tune with National Skill Development Mission of India. The college will apply for the relevant courses to the University Grants Commission (UGC) leading to Bachelor of Vocation (B. Voc.) Degree with multiple exits such as Diploma/Advanced Diploma under the National Skill Qualification Framework (NSQF).
- 6. Various graduate and post graduate diploma courses will be initiated to provide better job opportunities to students.
- A Skill Development Centre will be established in the college which will offer short term skill based 3-6 months certificate courses for students to enhance their skills. The centre will be looking for the feasibility of starting new courses offered by the National Skill Development Mission from time to time. These courses would be offered at subsidized fee structure for the college as well as other



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students of nearby areas.

8. A completely free of cost lifelong learning course will be introduced for women coming from economically weaker strata of the society. The course will equip these women to learn stitching, tailoring, food processing etc. with the main aim to empower them with education which can earn them a decent employment.



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#### **E-GOVERNANCE**

Khalsa College Amritsar has implemented E-governance in its various academic and non-academic operations which includes Administration, Student Management and Support, Finance and Accounts, Examination, Inventory Management, Hostel management, Goods, Service and Library.

The following strategies have been devised to bring more effectiveness in its operations

#### 1. ADMINISTARTION

- a. The E-governance portal will be appended with individual faculty login wherein the faculty members will be provided with a login id and password. On logging in they will be able to add their respective research, academic and other relevant data like participation in workshops, seminars, and conferences which will showcase the activities carried by them. The Software will be generating a comprehensive report, offering a comprehensive overview of their professional accomplishments, aiding in performance evaluation and career progression.
- b. Departmental login will also be made available in the portal where departments can add all academic and non-academic activities carried out by them. An inclusive report will also be generated which will showcase all calendar activities done by the department.
- c. The E-government software will be amended to include viewing of number of working days and time for faculty members, new CCTV cameras are proposed which will be accessed through e-governance and digital attendance marking system is proposed to be shifted from card tapping machines to facial recognition devices.

#### 2. STUDENT MANAGEMENT AND SUPPORT

**a.** The admission process at Khalsa College Amritsar will be designed to be efficient and userfriendly. The college has proposed to implement an e-governance system that streamlines all



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stages of the application, eliminating unnecessary paperwork and long waiting times. Students will easily register online and submit their application forms electronically, saving time and effort.

- **b.** Online fee payments will be made available to students. Through the e-governance portal, students will be securely able to pay their admission fees online, eliminating the need for physical transactions or visits to the college campus.
- **c.** It is proposed to establish direct and transparent communication channels with aspiring students through the e-governance system. This will ensure a prompt support and guidance throughout the admission process. Students will easily reach out to the college authorities, ask questions, and seek clarifications.

#### 3. Examination

- a. The Examination software module BITFIELD will be appended for examination facilitation to students which include issuing of roll numbers, generating cut list for students, setting up of examination centres, conduct and evaluation of exams, displaying of results etc.
- b. Internal assessment module will be changed to give higher weightage to internal assessment in examinations.
- c. It is also proposed to introduce Credit Based Evaluation System (CBES) across all its programmes.



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#### UPGRADATION OF CLASS ROOM, LIBRARY AND PHYSICAL INFRSTRUCTURE

Khalsa College Amritsar, keeping pace with the changing times, is bound to give an enhanced teacherlearning experience to all its stakeholders. The college will keep an adequate budget drawn from its own resources and for funds from government and non-government organizations. The following accomplishments have been desired:

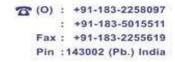
#### 1. CLASS ROOM UPGRADATION

- a) A majority of classrooms in the college will be upgraded to be Audio Visually (AV) enabled. Short throw and long throw projectors will be installed in majority of classrooms of the college. Wall mounted screens depending on the size of the room and nature of projectors will be proportionately installed.
- b) Flooring of the classrooms will be changed as per requirement of the respective departments.
- c) Every department will be equipped with at least one smart room/seminar room which will have an interactive smart board, a broad band multi point connectivity, an efficient sound system having an AV cabinet, podium/cordless/collar mics, a short or long throw projector along with good seating arrangement for staff and students. These rooms will be used for seminars, presentations by faculty and students. Teachers will be advised to encourage students to give a weekly presentation on selected topics in these rooms.
- d) Longstanding and dilapidated blackboards would be replaced by new black/green or white boards. Each classroom will be preferably provided with dustless chalks and white board markers.

#### 2. LIBRARY UPGRADATION

- a) Reading halls in the library will be upgraded with installation of segregated reading space in order to make students concentrate by avoiding distraction or visual stimulus. This would help student to focus particularly during examination by providing a segregated reading space.
- b) Broadband equipped internet terminals will be installed for student's online search to different databases. It is proposed to install a minimum of five computers to meritoriously bring into force this adaptation.





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- c) An exclusive computer with OPAC (online public access catalogue) software will be installed for searching the location of books and journals in the library.
- d) New books and journals are proposed to be augmented every year with the advice from respective departments and recommendations of Library Advisory Committee.
- e) Air conditioners will be installed in the main reading hall of the library to provide a comfortable study environment to students and faculty members.
- f) CCTC cameras will be installed for better functioning of the library.
- g) To completely digitalize the main library of the college, a workstation, computers, bar code printers and scanners will be purchased.
- h) To aid physically challenged students, wheel chair facility will be introduced, a separate incline will be created and an exclusive reading hall will be established.

#### 3. PHYSICAL INFRSTRUCTURE AUGMENTATION

- a) Optical fibres are proposed to be meshed across the length and breadth of the college to provide high speed internet access to all its stake holders. Switches, modems and Wi-Fi routers will also be installed to experience a better and faster internet surfing.
- b) A skill development centre building will be constructed to inculcate skill-based knowledge to all its stakeholders for transforming them into job ready individuals.
- c) Beautification of the college campus will be enhanced by extending verandas wherever required.
- d) Swimming pool of college is proposed to be renovated to make it more user friendly. Major proposed changes are installation of water purification machines/systems, segregated low depth swimming space for kids, construction of changing rooms, replacement of floor tiles and installation of the water lanes.
- e) Newer washrooms will be constructed, older will be renovated. Moreover, exclusive washrooms are proposed to be constructed for physically challenged just outside the administrative block of the college.
- f) A new IT centre is proposed to be constructed.



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- g) New eat right canteens will be constructed in the college for all its stakeholders with the main objective of being served with good quality eatables. An exclusive food court is also proposed for students.
- h) Banks will be approached for installation of new ATM's in the college campus
- i) Khalsa College has a well spread-out farm which is actively involved in producing organic vegetables and fruits. The produce is proposed to be made available to the teachers, students and residents of the city at reasonable rates by opening up a vegetable shop at Gate No. 3 of the college campus.



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#### RESEARCH DEVLOPMENT/ INDUSTRIAL AND RESEARCH COLLABORATIONS

Khalsa College Amritsar has always tried to remain aligned with leading research activities carried out worldwide. In this regard following research activities have been projected

- a) Advanced instruments play a significant role in the quality research. New Research instruments will be procured in the departments for the advancement of departmental and interdisciplinary research in the college.
- b) To boost the spirit of research and teaching in the college campus, the college management has proposed a **BEST RESEARCHER** and a **BEST TEACHER** award for its faculty members carrying a prize money of one lakh and fifty thousand rupees respectively.
- c) Effort will be done for mutual collaborations with leading societies, industries and research institutions to elevate the level of education for its stake holders and promotion of social outreach programmes of the institute. It is planned to have MOU's with organizations which are relevant for this purpose. These MOU's will help students/faculty training in industries/institutes of repute, exchange programmes to promote teaching and research, organization of different events in collaboration with established organizations and placement of students.
- d) One month Summer Internship programmes to distinguished academic institutions and leading industries will be introduced for master degree students.
- e) It is projected to have an exclusive research centre in the college campus that will collect and display all research activities carried out in the college.
- f) Student research projects will be introduced for final year master's degree students from the faculty of sciences and agriculture.
- g) Faculty members will be inspired to write research project and apply for research grants to various funding agencies.
- h) Faculty members will be stimulated to collaborate with other faculty members of leading academic and research institutions so as to remain aligned and ahead in their respective research fields.



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#### **RESOURCE MANAGEMENT**

#### 1. FACULTY MANAGEMENT

Khalsa College Amritsar takes pride in the quality of its faculty and furthermore wants channelize their expertise to achieve highest standards of academic environment. It therefore senses the need to upgrade and mobilize its resource through the following recommended activities

- a) Periodical organisation of Seminars. Invited Talks, Workshops, Faculty Development/Enrichment Programmes on different topics are proposed. These FDP/FEP's will be conducted on different subjects and will have participation from all faculties. The resource persons in these seminars will be distinguished personalities who will instill a rational and progressive thinking amongst the participants.
- b) Faculty members will be encouraged to act as resource persons for delivering invited talks on respective subjects to different academic institutions.
- c) Faculty members will be bestowed with administrative responsibilities at the departmental level and the college management level so as to improve their administrative skills.

#### 2. FINANACE MANAGEMENT

- a) In order to meet up with the financial needs of the college, it is proposed to generate funds from different government agencies like UGC, DST, DBT, ICSSR etc. and non-government funding agencies.
- b) Funds will also be targeted from philanthropist from across the globe. The College is in constant deliberations with old alumni of the college, well settled abroad, who will be impressed upon to donate funds for the welfare of the college.
- c) An expert team will be constituted under the chairmanship of principal of the college along with senior most faculty members and bursar of the college who would oversee the financial requirement of the college.

#### 3. SPACE AND INSTRUMENTATION MANANGEMENT

a) It is advocated to implement a free use policy of all instrumentation available in the college campus to all its faculty members.



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- b) Workshops on instruments and software's available in the college will be organized in periodical manner to sensitize related staff about the usage and acquaint them about the research advancements.
- c) All seminar/conference rooms, reading halls and other infrastructural facilities will be allowed for usage to all students and staff members.



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#### WASTE MANAGEMENT AND RECYCLING

Khalsa College Amritsar strives to achieve a environment friendly, green campus through either minimization of waste or management of waste produced in an efficient manner following the golden 3R rule of reduce-recycle-reuse. The following parameters will be considered for achieving the milestone.

#### 1. SOLID WASTE MANAGEMENT

- a) The Plantation in the college campus will be nurtured from the vermi-compost generated from campus bio-waste. Grasses, leaves and other straw material along with dairy waste would be the raw material for this compost. The produced vermi-compost would be highly rich in both micro- and macronutrients, useful soil microorganisms (nitrogen-fixing bacteria and phosphate-solubilizing bacteria) and plant growth promoters and hormones such as auxins, gibberellins and cytokines and therefore can be used as an organic fertilizer for proper growth of plants. This can be an ideal replacement to harmful inorganic fertilizers.
- b) Signing a MoU with NGO to pick up segregated solid waste like paper, cups and bottles generated largely from Hostel mess and college canteens.
- c) Semi Solid waste is proposed to be sent to piggery farm of the college.

#### 2. LIQUID WASTE MANAGEMENT

- a) Minimum usage of water is suggested for laboratory glassware cleaning.
- b) Recycling of water is recommended through water recyclers where continuous water supply is needed.
- c) Water waste is proposed to be segregated as inorganic and organic water waste. The inorganic water waste which will be rich in acid/alkalis will be neutralized before disposal. Organic water waste will be utilized for gardening and irrigation purposes
- d) Water disposed from water purifiers would again be fed to lawns for gardening and irrigation purpose.





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#### 3. BIOMEDICAL WASTE MANAGEMENT

a) Bio-Medical waste generated from college dispensary and departments like Zoology, Botany and Biotechnology etc. would be disposed by signing a MoU with NGO who would be responsible for picking up the waste and treating/disposing as per government rules.

#### 4. E-WASTE MANAGEMENT

- a) For managing the vast magnitude of e-waste generated in terms of outdated/worn out computers, printers and other related accessories, it is proposed to sign an MoU with government approved **ATTERO RECYCLING** who will purchase and dispose this waste.
- b) A MoU is also in pipeline with **NEBERO** who will guide and ensure efficient management of e-waste.

#### 5. RAIN WATER HARVESTING

It is proposed to conserve rain water by collecting, storing, conveying rain water that runs off from rooftops, parks, roads, open grounds, etc. for subsequent use. For realisation following renovations are proposed.

- a) Construction of Catchment areas
- b) Construction of water storage tanks
- c) Installation of Filtration and recharging systems